



SA16



SA16



SA16



SA18



SA18



SA18



SA18



SA19



SA19



SA19



SA19



SA20



SA20



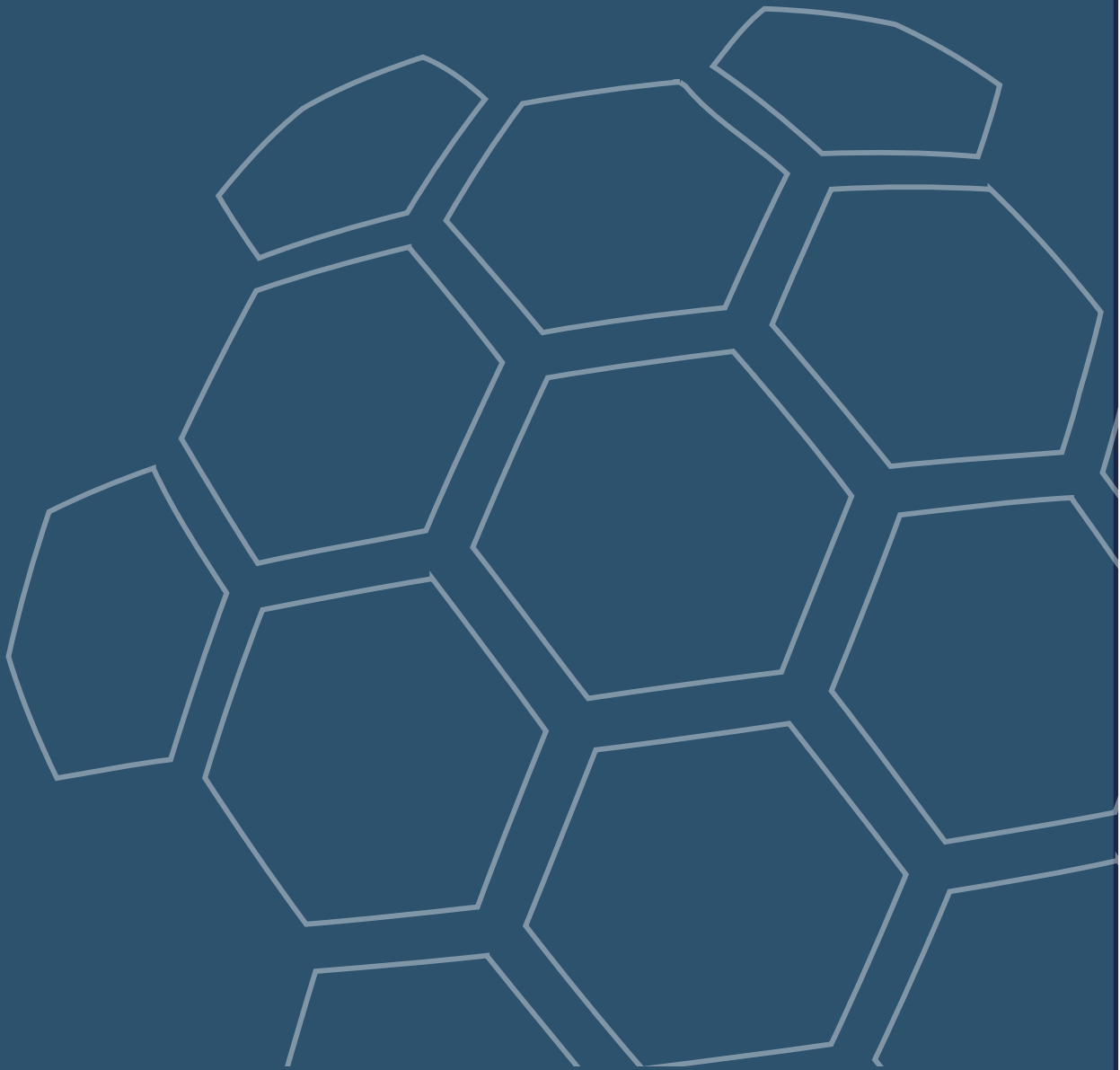
SA20



SA20

# APPENDIX J – INDIRECT IN-SITU CBR TEST RESULTS

RECEIVED: 16/10/2025

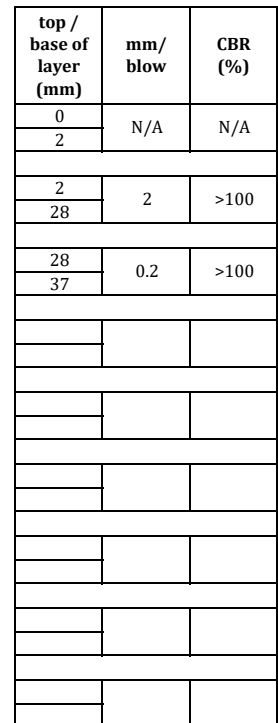




**CAUSEWAY**  
— GEOTECH

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | GRAVEL/BITMAC                                 |



|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|



# **Dynamic Cone Penetrometer (DCP) test results and estimated CBR**

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

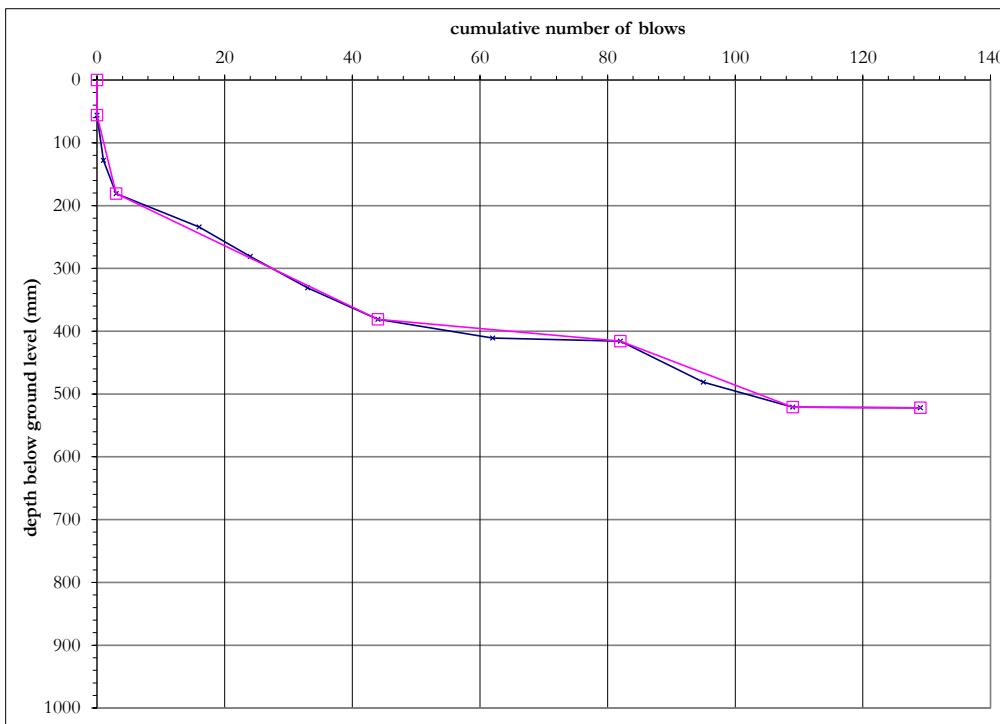


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP02 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | TOPSOIL                                              |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 56                       |           |         |
| 56                       | 42        | 5.9     |
| 181                      |           |         |
| 181                      | 4.9       | 57      |
| 381                      |           |         |
| 381                      | 0.9       | >100    |
| 416                      |           |         |
| 416                      | 3.9       | 72      |
| 521                      |           |         |
| 521                      | 0.1       | >100    |
| 522                      |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |

|                  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 5.9<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



# **Dynamic Cone Penetrometer (DCP) test results and estimated CBR**

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

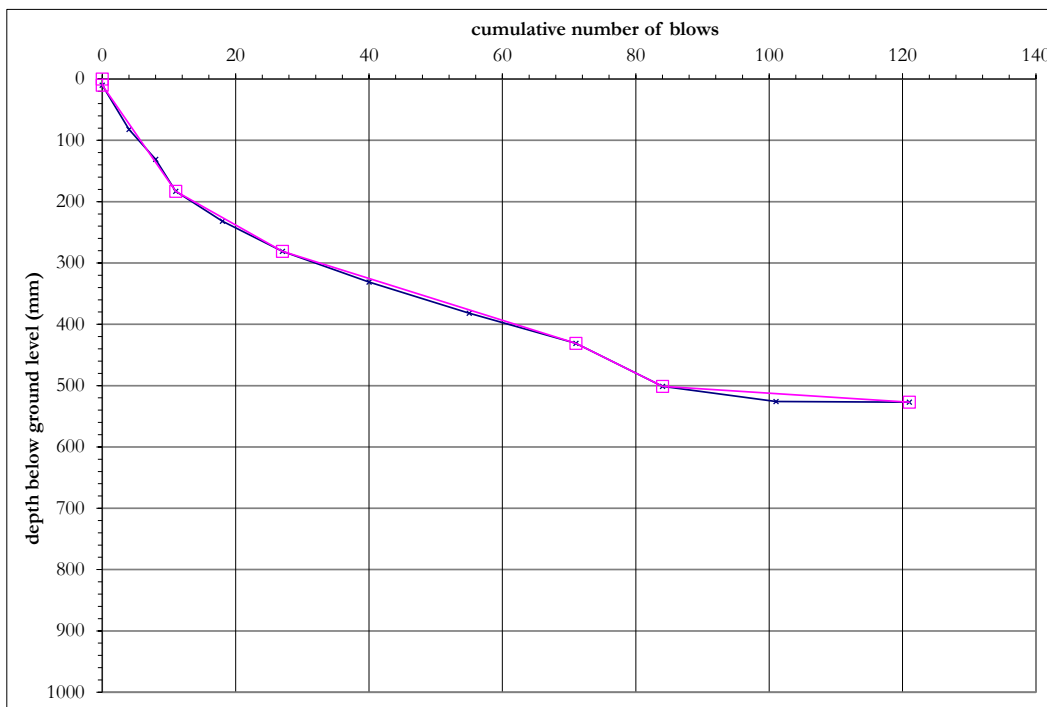


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP03 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | TOPSOIL                                              |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 10                       |           |         |
| 10                       | 16        | 16      |
| 183                      |           |         |
| 183                      | 6.1       | 44      |
| 281                      |           |         |
| 281                      | 3.4       | 83      |
| 431                      |           |         |
| 431                      | 5.4       | 51      |
| 501                      |           |         |
| 501                      | 0.7       | >100    |
| 527                      |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |

|                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 16<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

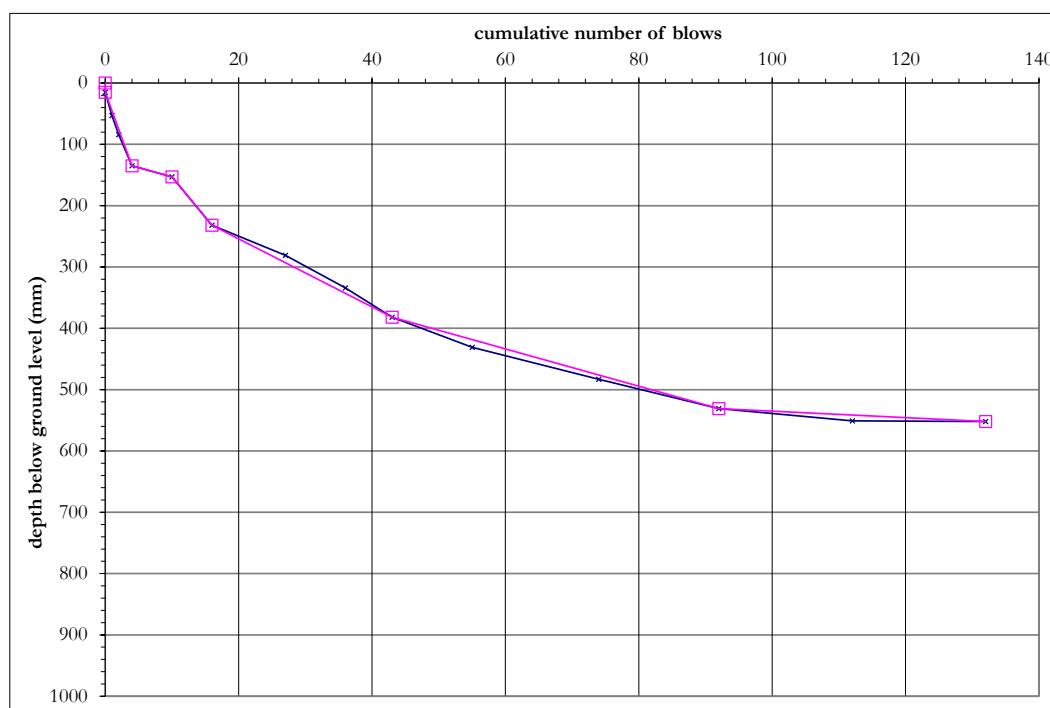


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP04 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | TOPSOIL                                              |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 15                       |           |         |
| 15                       | 30        | 8.3     |
| 135                      |           |         |
| 135                      | 3         | 95      |
| 153                      |           |         |
| 153                      | 13        | 20      |
| 232                      |           |         |
| 232                      | 5.6       | 49      |
| 382                      |           |         |
| 382                      | 3         | 93      |
| 531                      |           |         |
| 531                      | 0.5       | >100    |
| 552                      |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |

|                  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 8.3<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



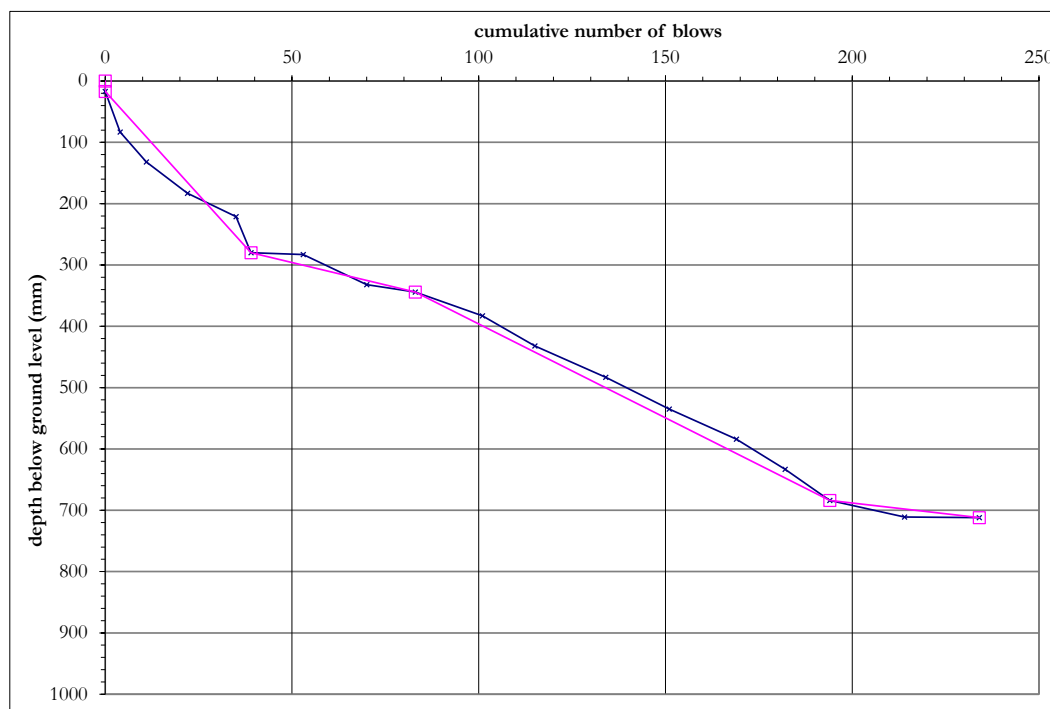


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|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP05 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 40   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



# **Dynamic Cone Penetrometer (DCP) test results and estimated CBR**

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

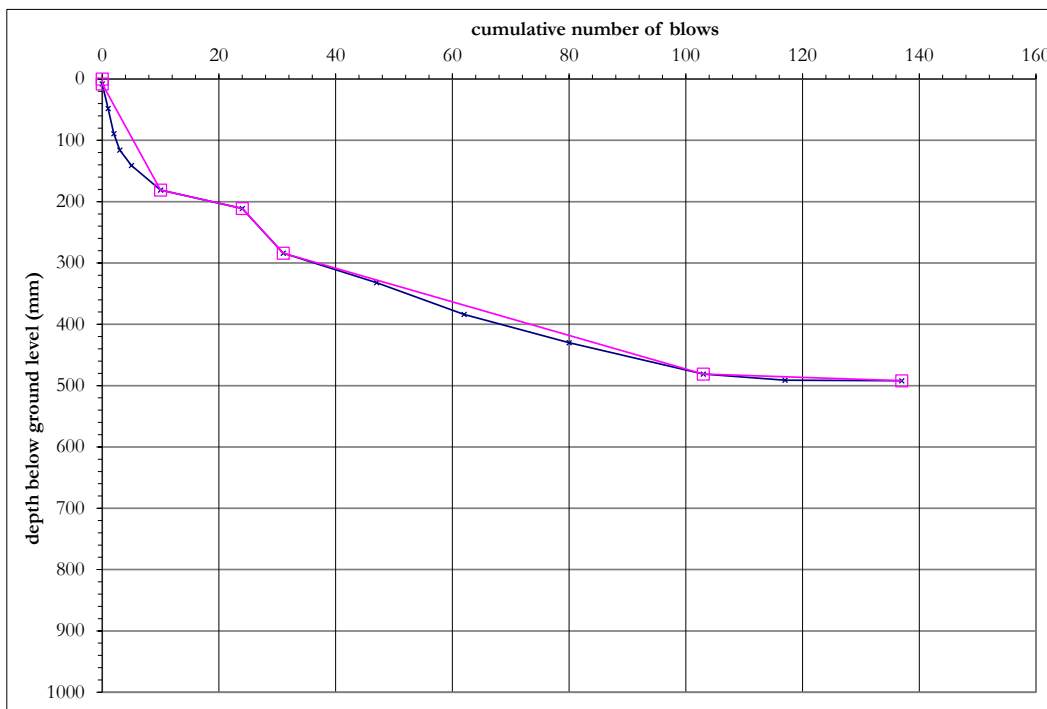


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP06 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | TOPSOIL                                              |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 8                        |           |         |
| 8                        | 17        | 15      |
| 181                      |           |         |
| 181                      | 2.1       | >100    |
| 211                      |           |         |
| 211                      | 10        | 25      |
| 284                      |           |         |
| 284                      | 2.7       | >100    |
| 481                      |           |         |
| 481                      | 0.3       | >100    |
| 492                      |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 15   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

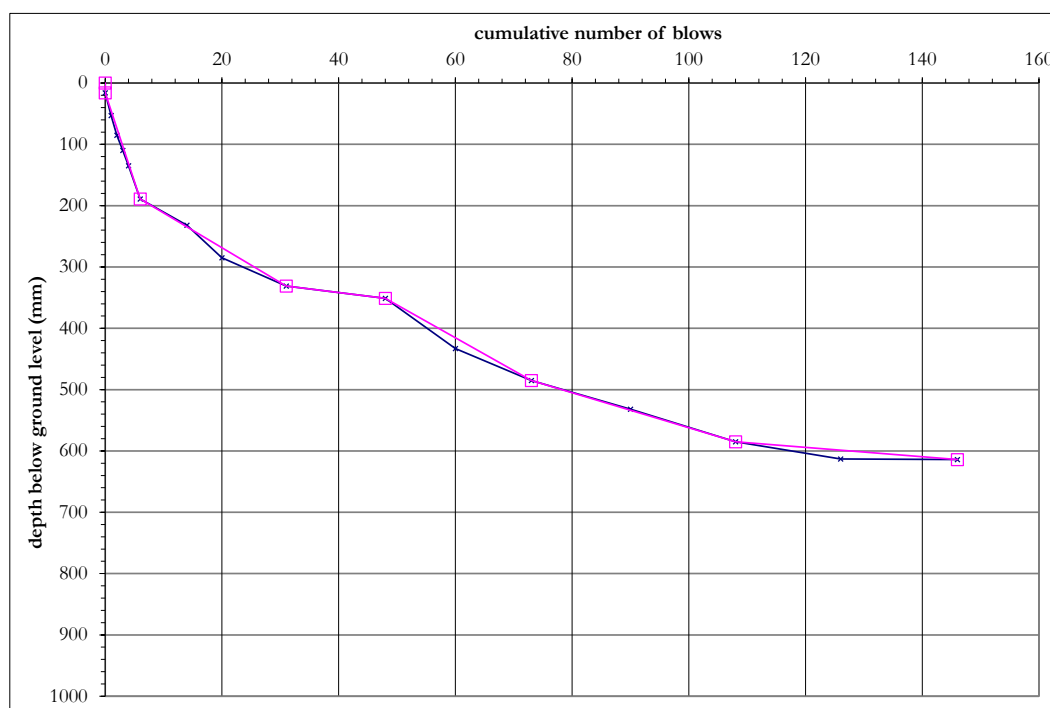


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP07 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | TOPSOIL                                              |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 16                       |           |         |
| 16                       | 29        | 8.6     |
| 189                      |           |         |
| 189                      | 5.7       | 48      |
| 331                      |           |         |
| 331                      | 1.2       | >100    |
| 351                      |           |         |
| 351                      | 5.4       | 51      |
| 485                      |           |         |
| 485                      | 2.9       | 100     |
| 585                      |           |         |
| 585                      | 0.8       | >100    |
| 614                      |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |

|                  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 8.6<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

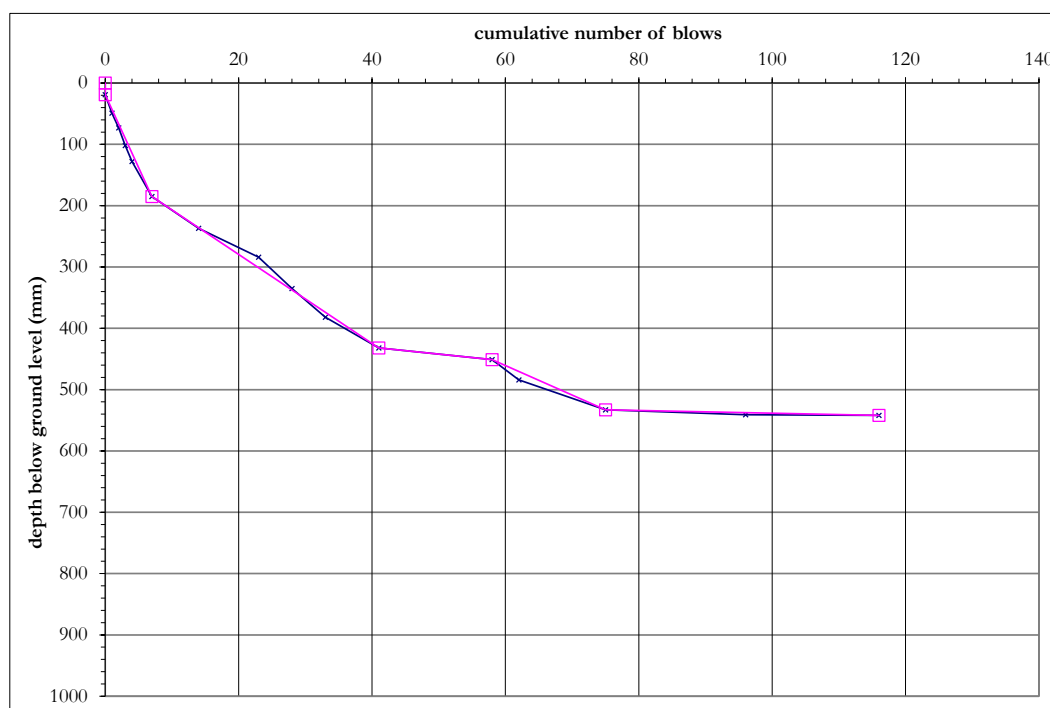


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP08 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | TOPSOIL                                              |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 19                       |           |         |
| 185                      | 24        | 11      |
| 432                      | 7.3       | 37      |
| 451                      | 1.1       | >100    |
| 533                      | 4.8       | 57      |
| 542                      | 0.2       | >100    |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |

|                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 11<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |

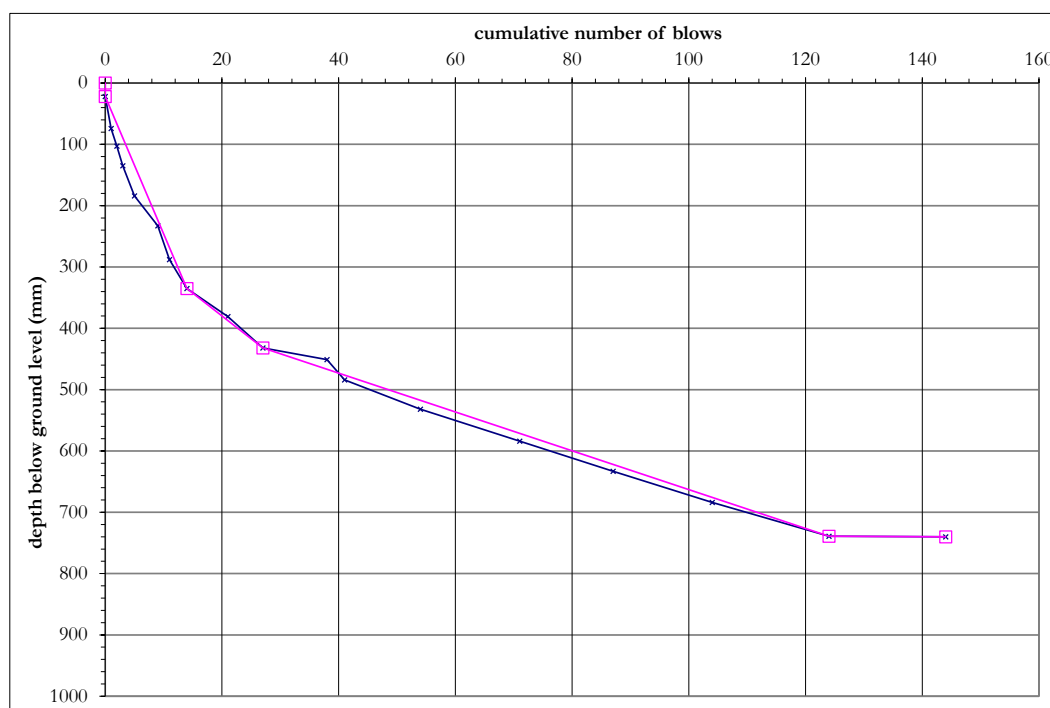




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— GEOTECH

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |



| top /<br>base of<br>layer<br>(mm) | mm/<br>blow | CBR<br>(%) |
|-----------------------------------|-------------|------------|
| 0                                 | N/A         | N/A        |
| 22                                |             |            |
|                                   |             |            |
| 22                                | 22          | 11         |
| 335                               |             |            |
|                                   |             |            |
| 335                               | 7.5         | 36         |
| 432                               |             |            |
|                                   |             |            |
| 432                               | 3.2         | 89         |
| 739                               |             |            |
|                                   |             |            |
| 739                               | 0.1         | >100       |
| 740                               |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 11   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



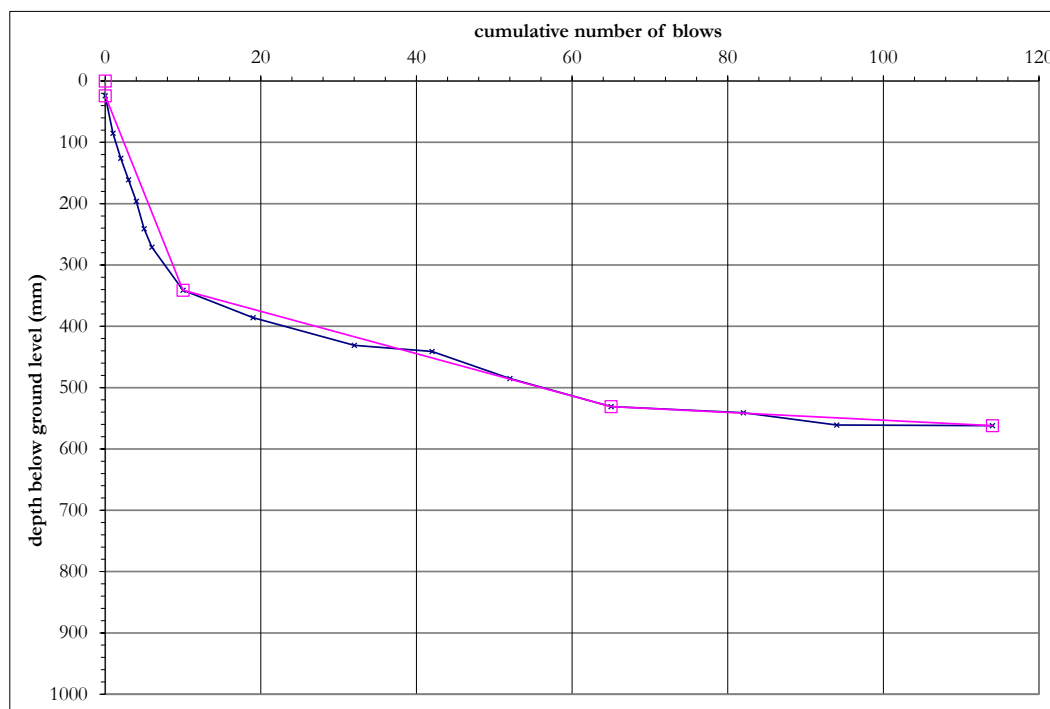


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— GEOTECH

|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP11 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 7.8  | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



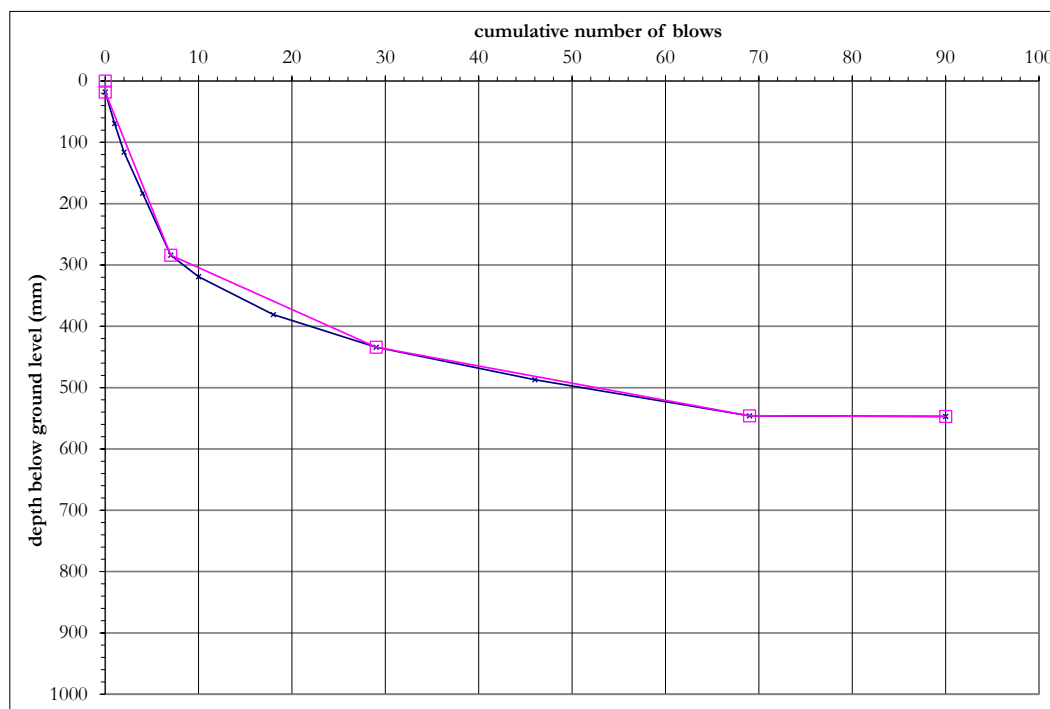


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|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP12 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 6.5  | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

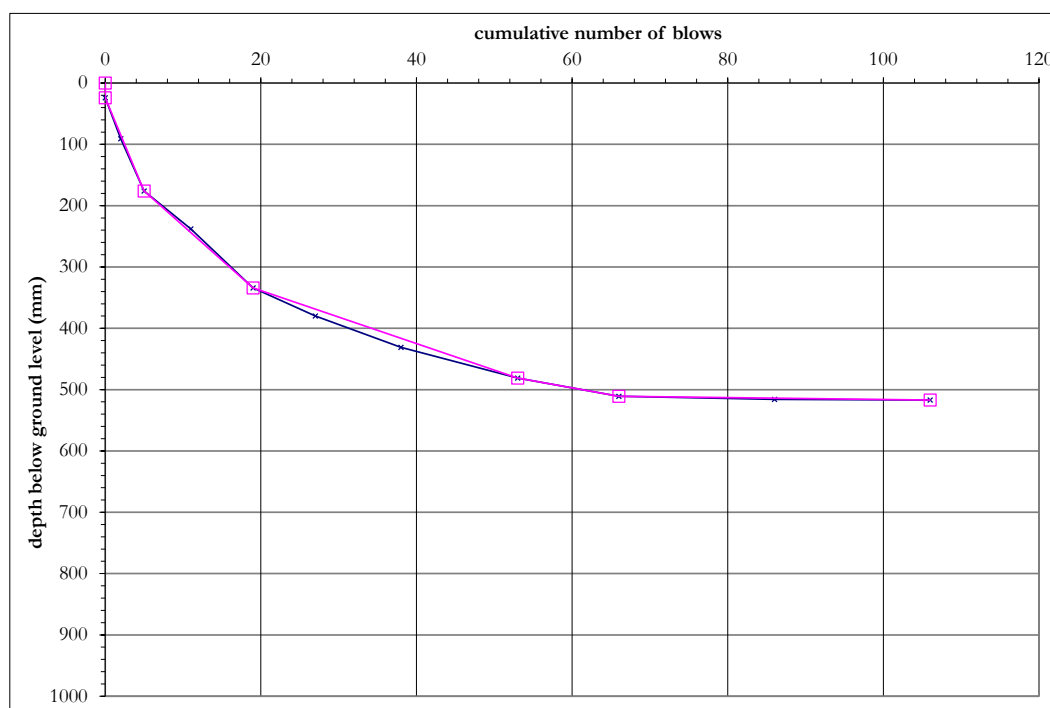


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP13 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | TOPSOIL                                              |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 24                       |           |         |
| 24                       | 30        | 8.2     |
| 176                      |           |         |
| 176                      | 11        | 23      |
| 334                      |           |         |
| 334                      | 4.3       | 64      |
| 481                      |           |         |
| 481                      | 2.3       | >100    |
| 511                      |           |         |
| 511                      | 0.2       | >100    |
| 517                      |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |

|                  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 8.2<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |

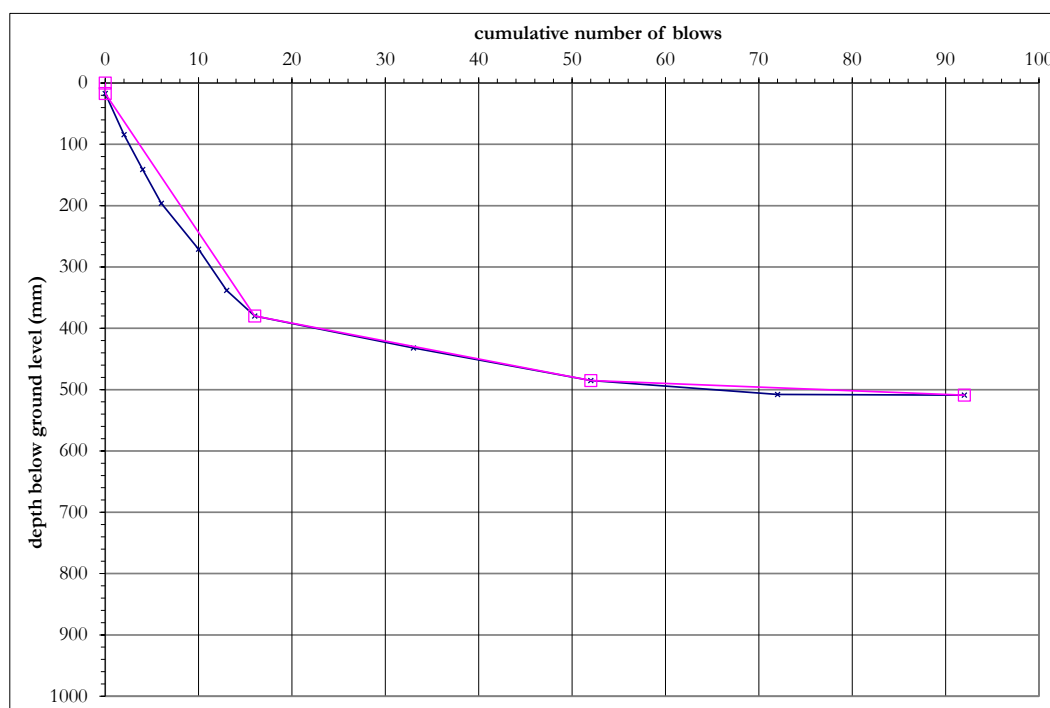




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|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |

[illegible]

|                      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR<br/>Range</b> | Min: 11   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                      | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



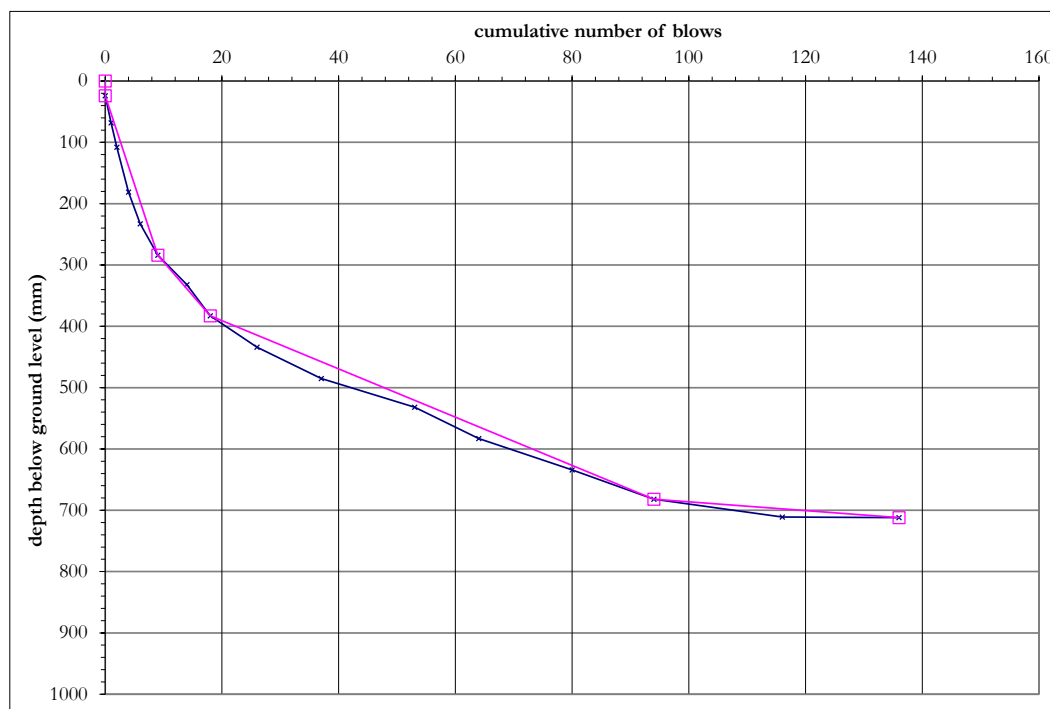


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|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP15 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 8.6  | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



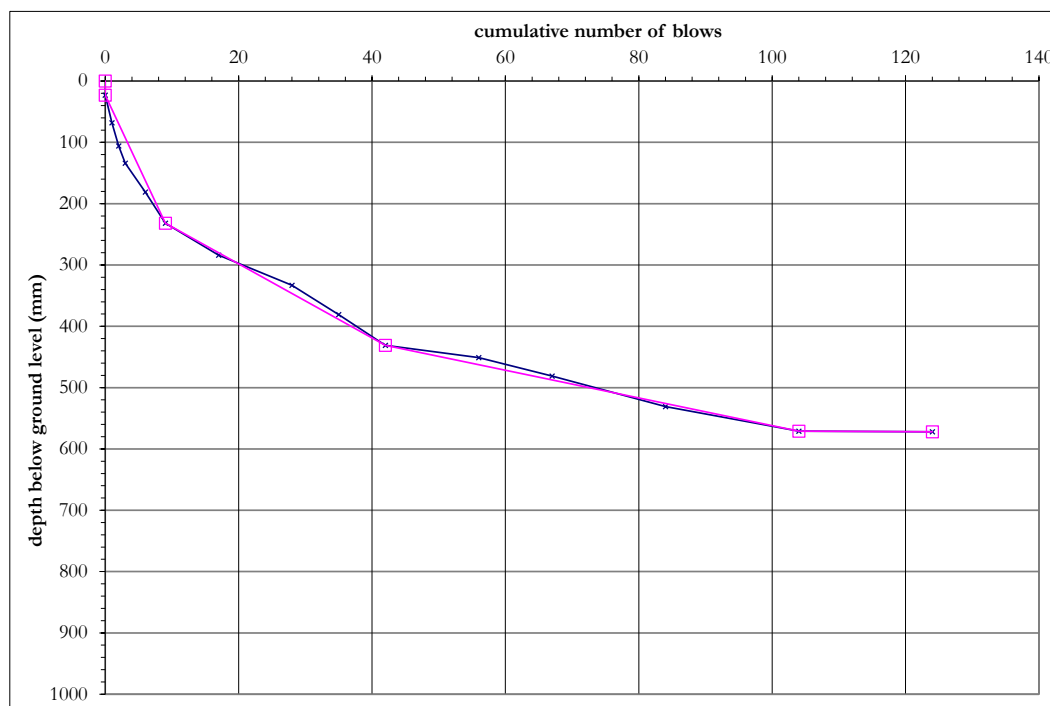


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|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP16 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 11   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



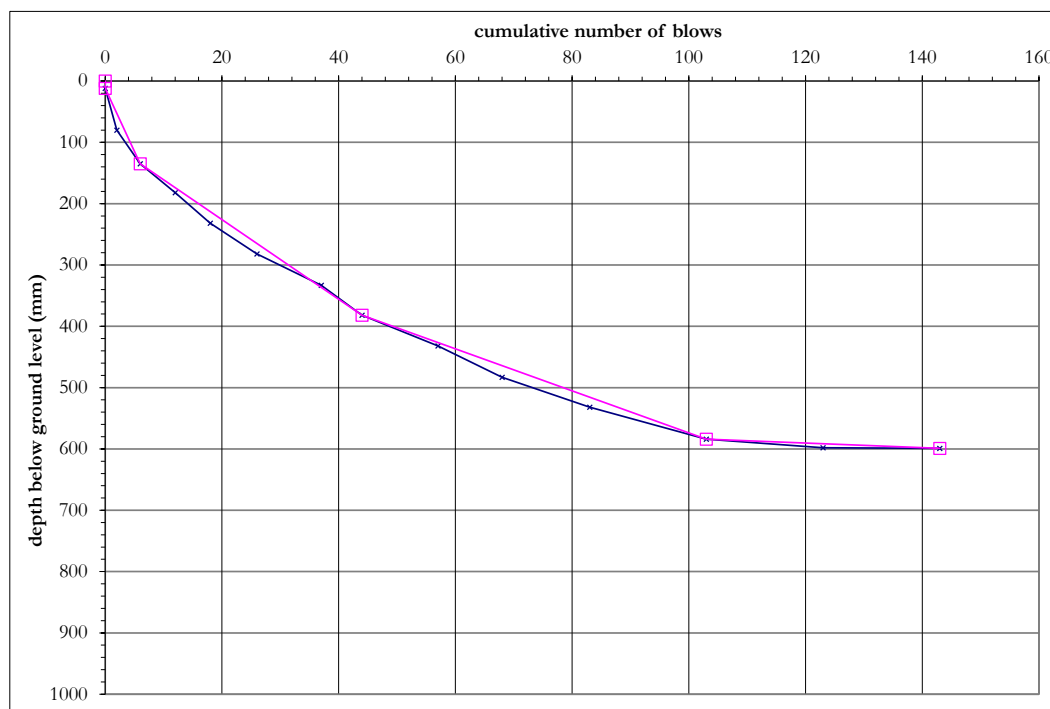


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|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP17 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |



| top /<br>base of<br>layer<br>(mm) | mm/<br>blow | CBR<br>(%) |
|-----------------------------------|-------------|------------|
| 0                                 | N/A         | N/A        |
| 12                                |             |            |
|                                   |             |            |
| 12                                | 21          | 12         |
| 135                               |             |            |
|                                   |             |            |
| 135                               | 6.5         | 42         |
| 382                               |             |            |
|                                   |             |            |
| 382                               | 3.4         | 82         |
| 584                               |             |            |
|                                   |             |            |
| 584                               | 0.4         | >100       |
| 599                               |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
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|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |
|                                   |             |            |

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 12   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |

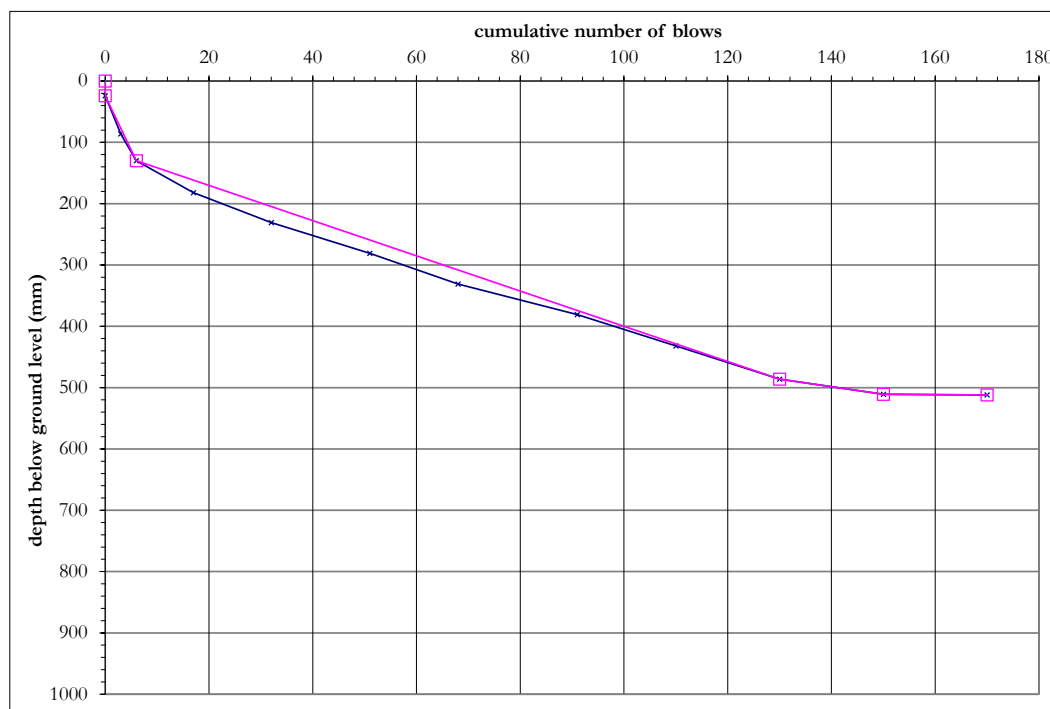




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GEOTECH

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 15   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

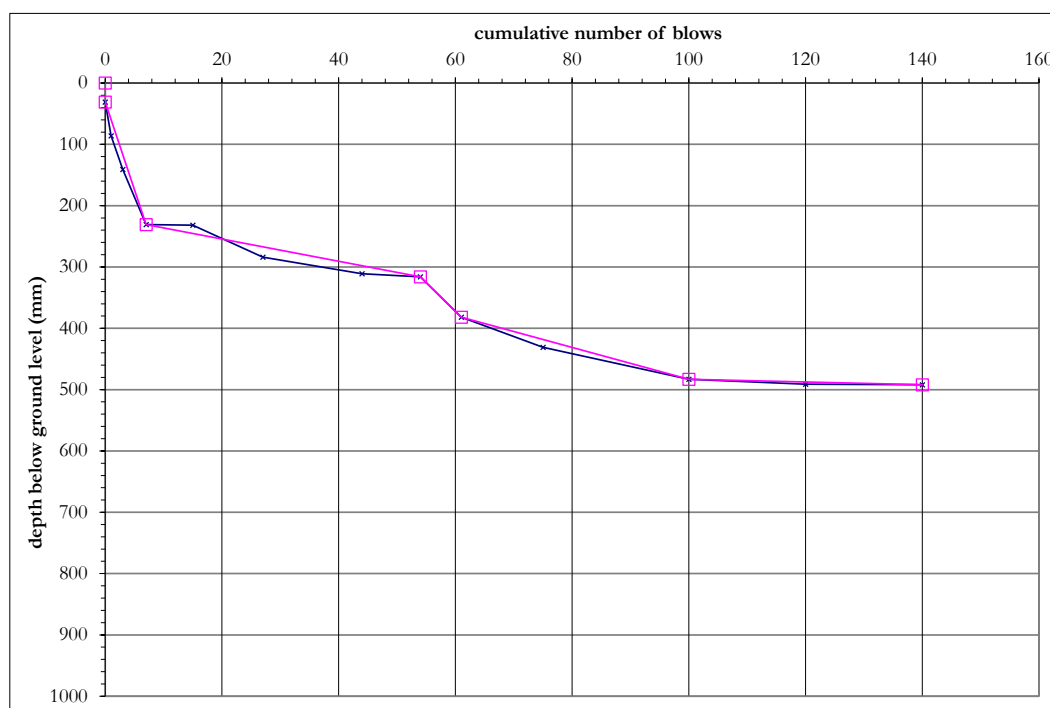


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP19 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | GRAVEL                                        |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 31                       |           |         |
| 31                       | 29        | 8.7     |
| 231                      |           |         |
| 231                      | 1.8       | >100    |
| 316                      |           |         |
| 316                      | 9.4       | 28      |
| 382                      |           |         |
| 382                      | 2.6       | >100    |
| 483                      |           |         |
| 483                      | 0.2       | >100    |
| 492                      |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 8.7  | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |

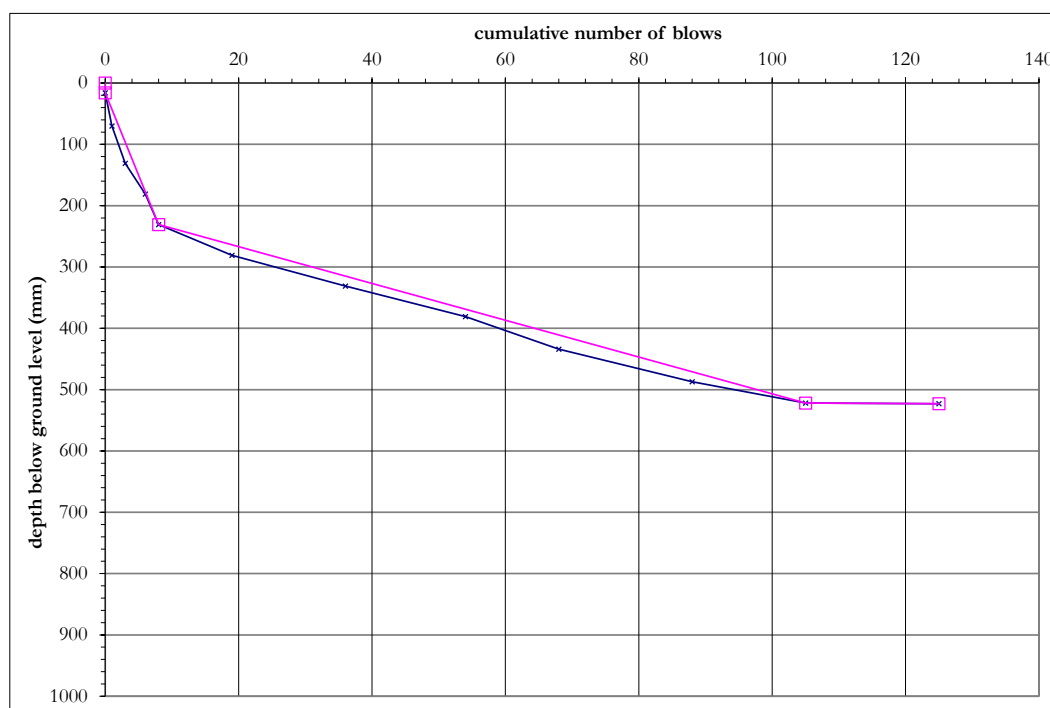




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|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |



| <b>top /<br/>base of<br/>layer<br/>(mm)</b> | <b>mm/<br/>blow</b> | <b>CBR<br/>(%)</b> |
|---------------------------------------------|---------------------|--------------------|
| 0                                           | N/A                 | N/A                |
| 16                                          |                     |                    |
|                                             |                     |                    |
| 16                                          | 27                  | 9.3                |
| 231                                         |                     |                    |
|                                             |                     |                    |
| 231                                         | 3                   | 95                 |
| 522                                         |                     |                    |
|                                             |                     |                    |
| 522                                         | 0.1                 | >100               |
| 523                                         |                     |                    |
|                                             |                     |                    |
|                                             |                     |                    |
|                                             |                     |                    |
|                                             |                     |                    |
|                                             |                     |                    |
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|                                             |                     |                    |
|                                             |                     |                    |

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 9.3  | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |





CAUSEWAY  
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|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | GRAVEL                                        |

[illegible]

|                  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 17 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: 83 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



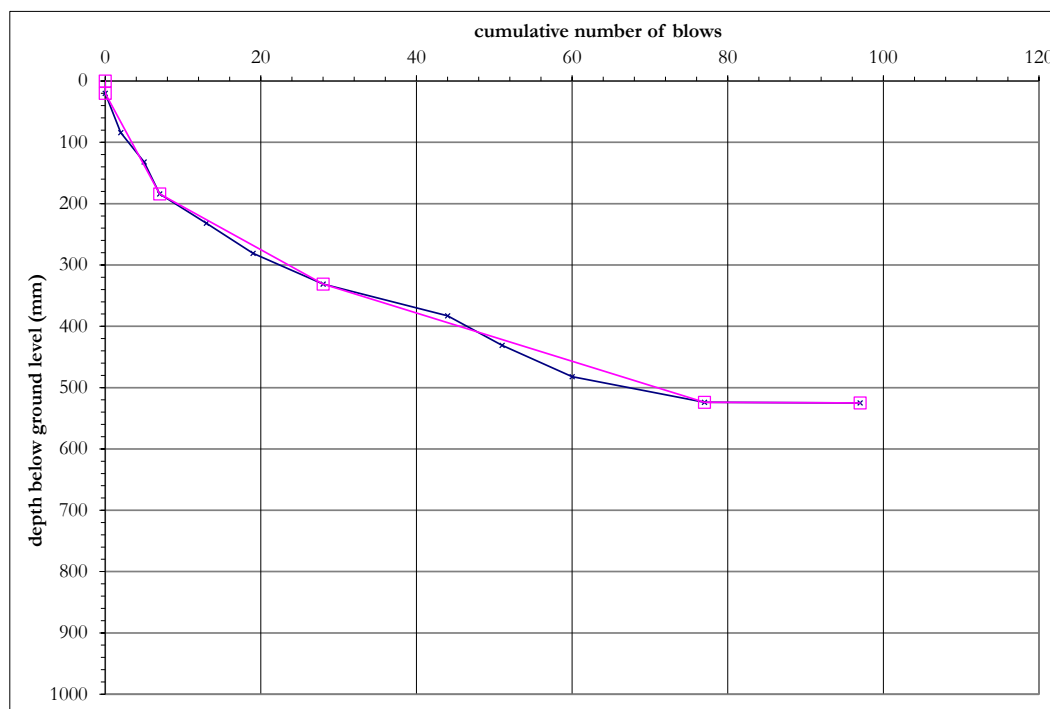


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|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP22 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Dry        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 11   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

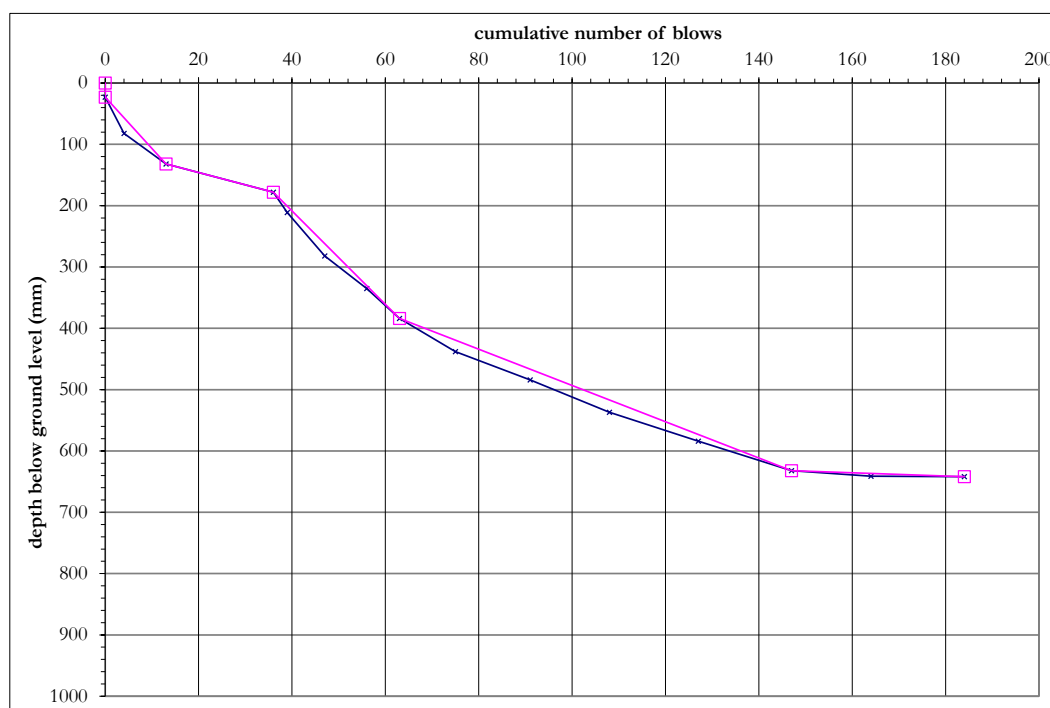


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP23 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Wet        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | GRAVEL                                               |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 23                       |           |         |
| 132                      | 8.4       | 32      |
| 178                      | 2         | >100    |
| 384                      | 7.6       | 35      |
| 632                      | 3         | 96      |
| 642                      | 0.3       | >100    |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |

|                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 32<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
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|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |

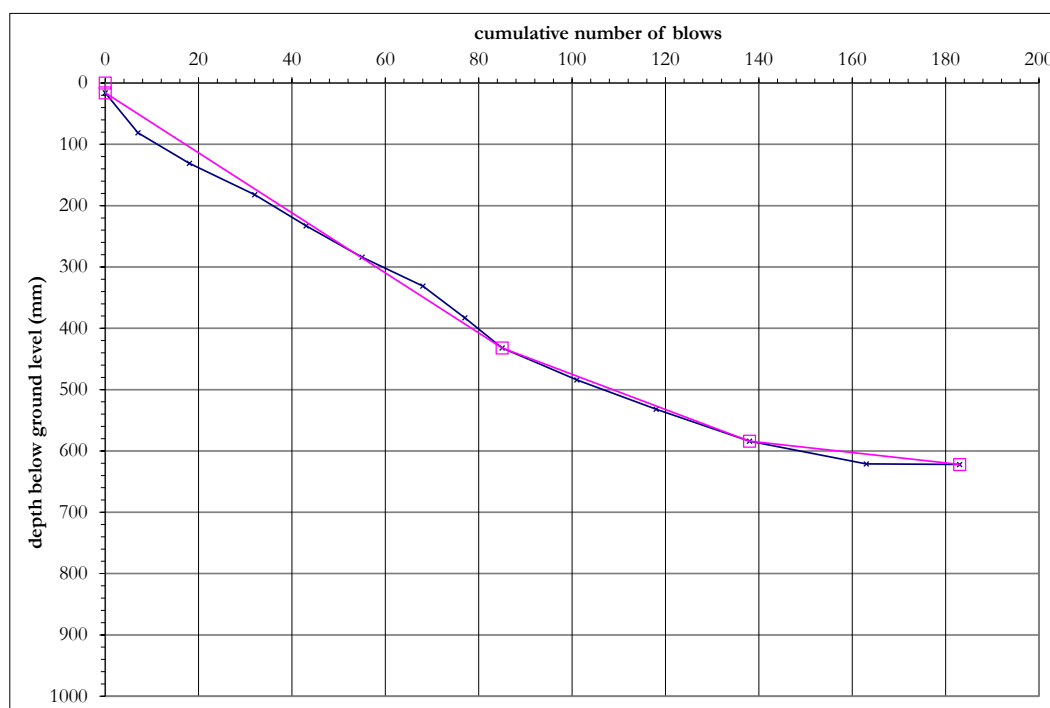




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|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 01/06/2025 |
| <b>Weather</b>     | Wet        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 56   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

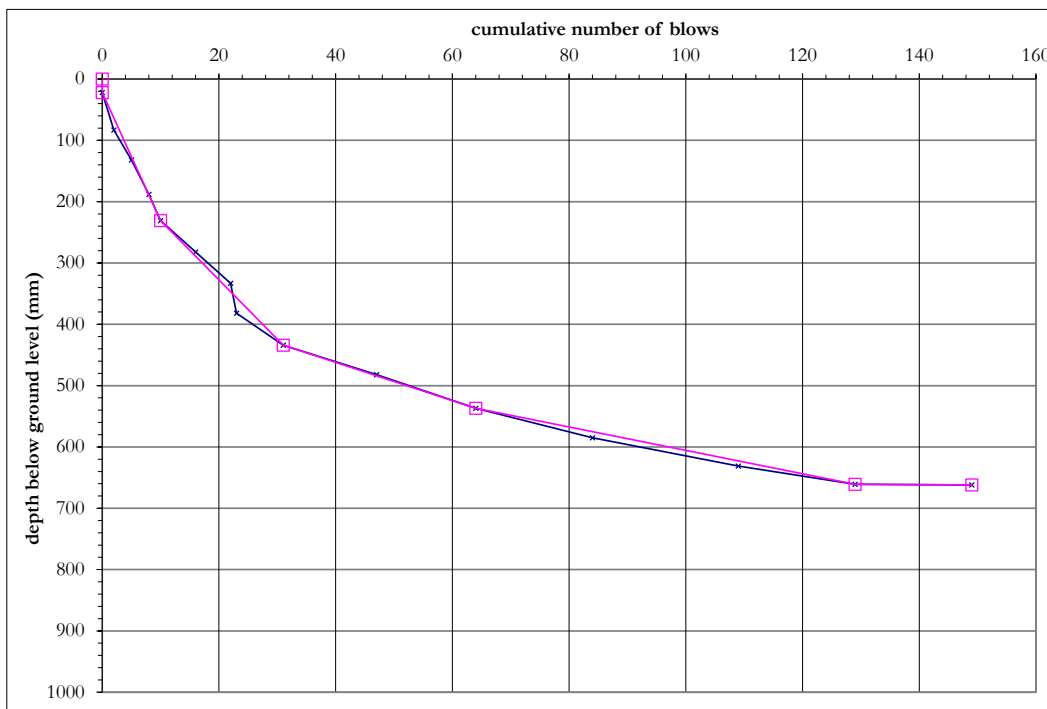


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP25 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | TOPSOIL                                              |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 22                       |           |         |
| 22                       | 21        | 12      |
| 231                      |           |         |
| 231                      | 9.7       | 27      |
| 434                      |           |         |
| 434                      | 3.1       | 91      |
| 537                      |           |         |
| 537                      | 1.9       | >100    |
| 661                      |           |         |
| 661                      | 0.1       | >100    |
| 662                      |           |         |
| 662                      |           |         |
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|------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 12<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
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|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
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| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |

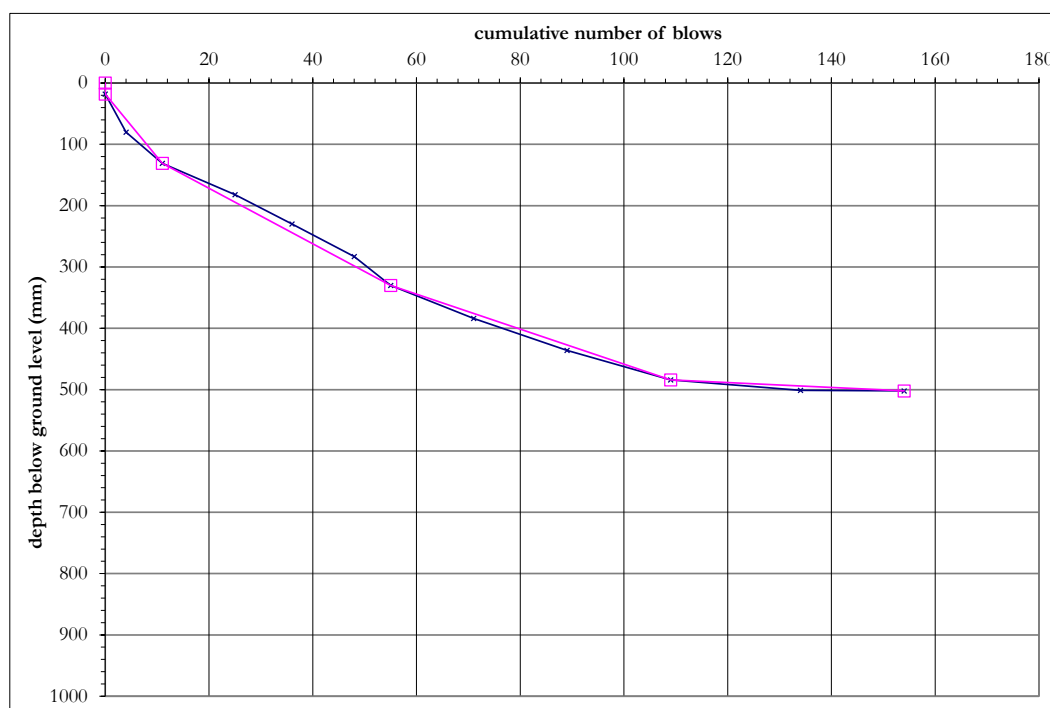




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|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | GRAVEL                                        |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 26   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
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| Observations and comments |  |
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| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

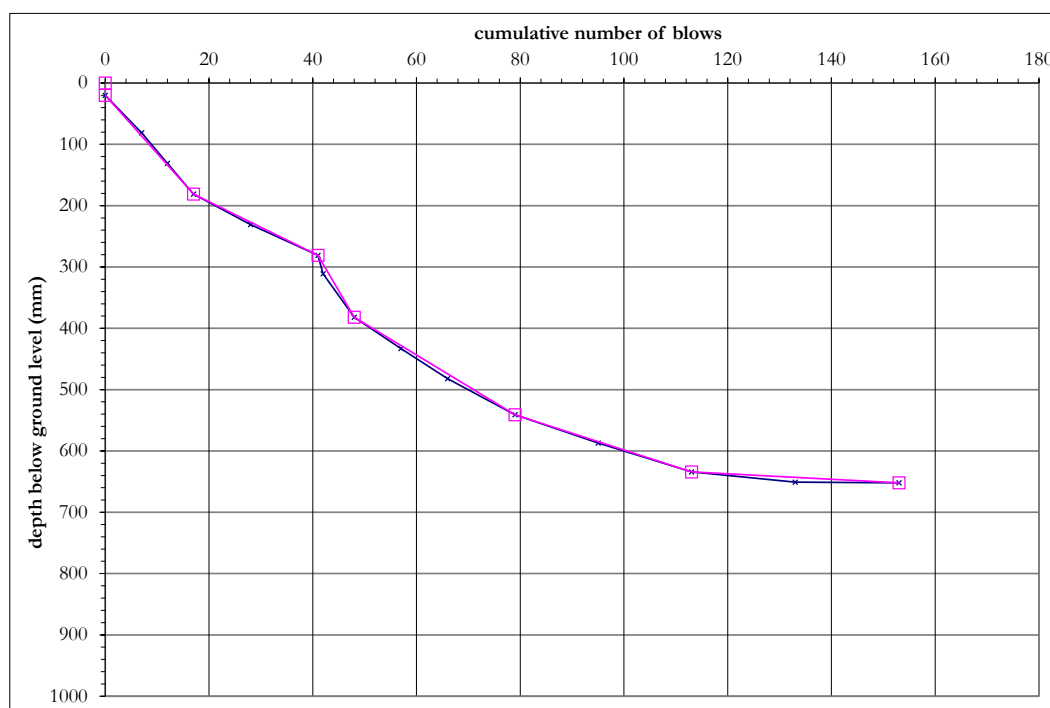


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP27 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | GRAVEL                                               |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 20                       |           |         |
| 20                       | 9.5       | 28      |
| 181                      |           |         |
| 181                      | 4.2       | 67      |
| 281                      |           |         |
| 281                      | 14        | 18      |
| 382                      |           |         |
| 382                      | 5.1       | 54      |
| 541                      |           |         |
| 541                      | 2.7       | >100    |
| 634                      |           |         |
| 634                      | 0.5       | >100    |
| 652                      |           |         |
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| <b>CBR Range</b> | Min: 18<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
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| <b>Deviation(s) from standard procedure</b> | None |
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| <b>Observations and comments</b> |  |
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| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |





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|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | GRAVEL                                        |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 13   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
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| Observations and comments |  |
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| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |

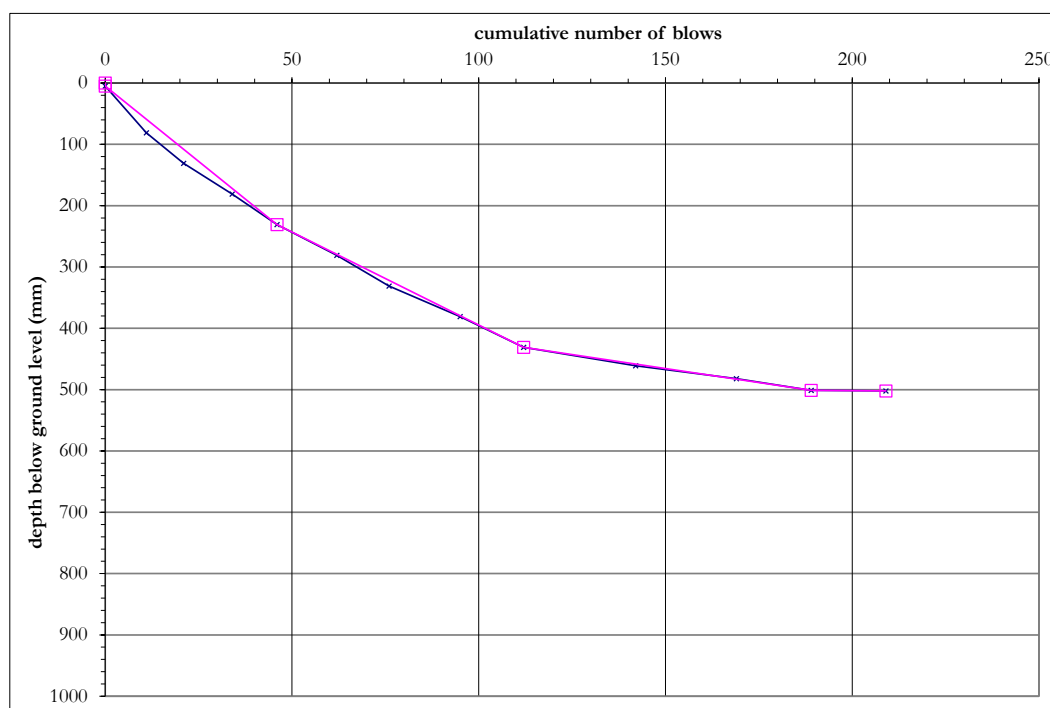




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|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | GRAVEL                                        |



| top /<br>base of<br>layer<br>(mm) | mm/<br>blow | CBR<br>(%) |
|-----------------------------------|-------------|------------|
| 0                                 | N/A         | N/A        |
| 5                                 |             |            |
|                                   |             |            |
| 5                                 | 4.9         | 56         |
| 231                               |             |            |
|                                   |             |            |
| 231                               | 3           | 94         |
| 431                               |             |            |
|                                   |             |            |
| 431                               | 0.9         | >100       |
| 501                               |             |            |
|                                   |             |            |
| 501                               | 0.1         | >100       |
| 502                               |             |            |
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|----------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR<br/>Range</b> | Min: 56   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                      | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
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| Observations and comments |  |
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| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

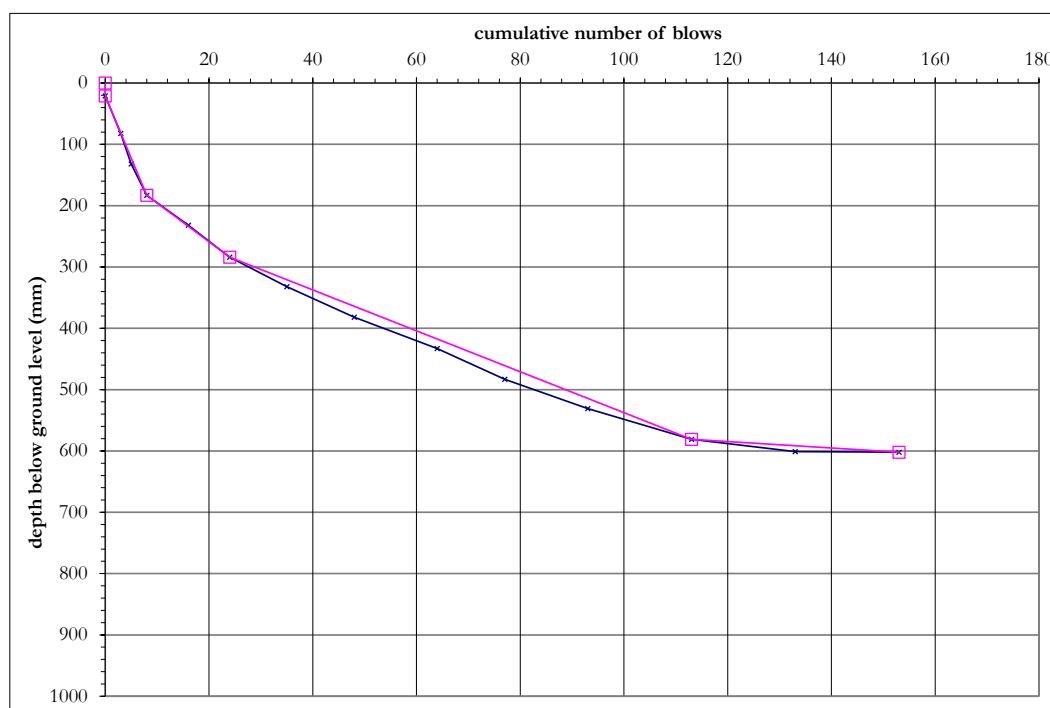


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP30 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | TOPSOIL                                              |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 21                       |           |         |
| 21                       | 20        | 13      |
| 183                      |           |         |
| 183                      | 6.3       | 43      |
| 284                      |           |         |
| 284                      | 3.3       | 84      |
| 581                      |           |         |
| 581                      | 0.5       | >100    |
| 602                      |           |         |
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|------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 13<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
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| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
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| <b>Observations and comments</b> |  |
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| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |

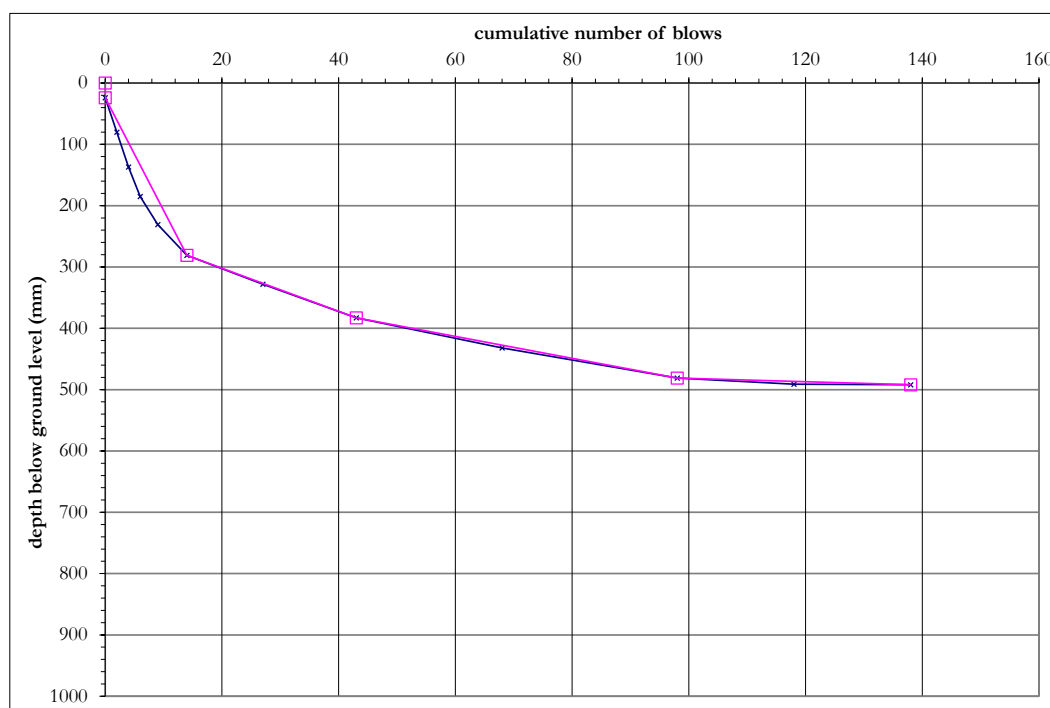




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|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |



| top /<br>base of<br>layer<br>(mm) | mm/<br>blow | CBR<br>(%) |
|-----------------------------------|-------------|------------|
| 0                                 | N/A         | N/A        |
| 24                                |             |            |
|                                   |             |            |
| 24                                | 18          | 14         |
| 281                               |             |            |
|                                   |             |            |
| 281                               | 3.5         | 80         |
| 383                               |             |            |
|                                   |             |            |
| 383                               | 1.8         | >100       |
| 481                               |             |            |
|                                   |             |            |
| 481                               | 0.3         | >100       |
| 492                               |             |            |
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| <b>CBR Range</b> | Min: 14   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |

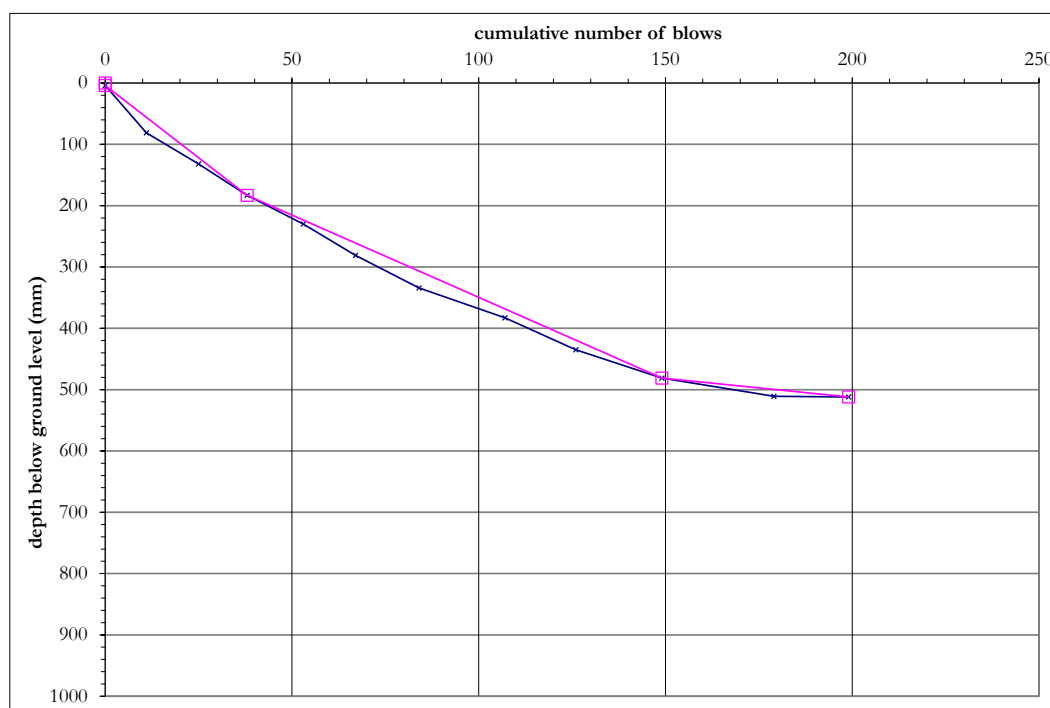




**CAUSEWAY**  
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|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | GRAVEL                                        |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 59   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |

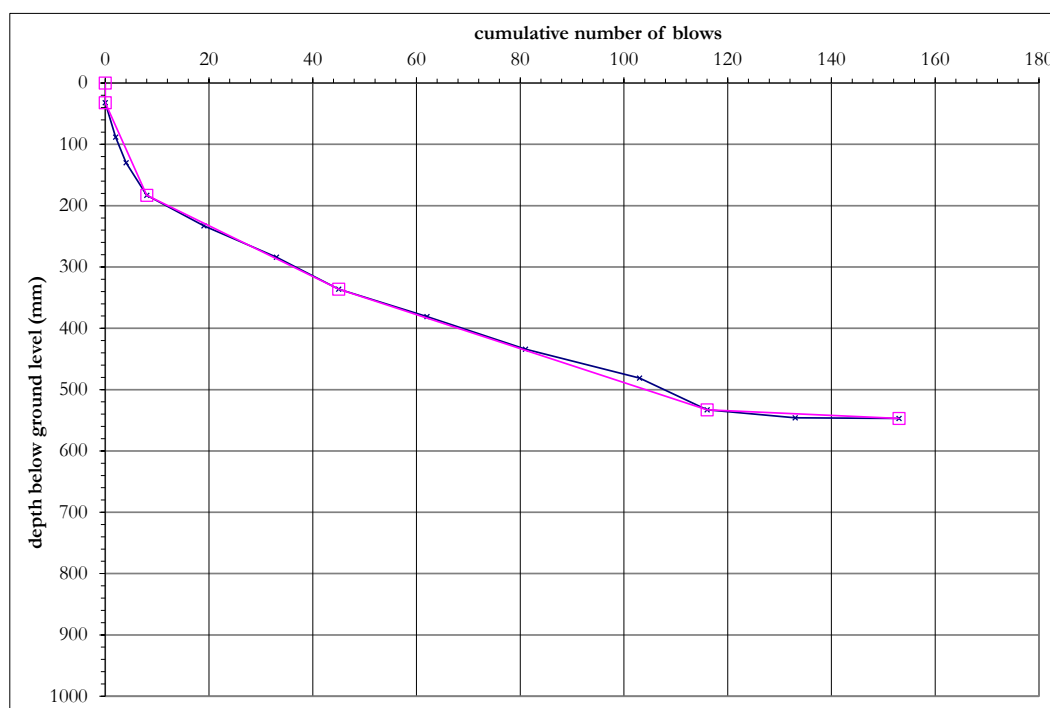




CAUSEWAY  
GEOTECH

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL & GRAVEL                              |



| top /<br>base of<br>layer<br>(mm) | mm/<br>blow | CBR<br>(%) |
|-----------------------------------|-------------|------------|
| 0                                 | N/A         | N/A        |
| 32                                |             |            |
|                                   |             |            |
| 32                                | 19          | 14         |
| 183                               |             |            |
|                                   |             |            |
| 183                               | 4.1         | 67         |
| 336                               |             |            |
|                                   |             |            |
| 336                               | 2.8         | >100       |
| 533                               |             |            |
|                                   |             |            |
| 533                               | 0.4         | >100       |
| 547                               |             |            |
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|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 14   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

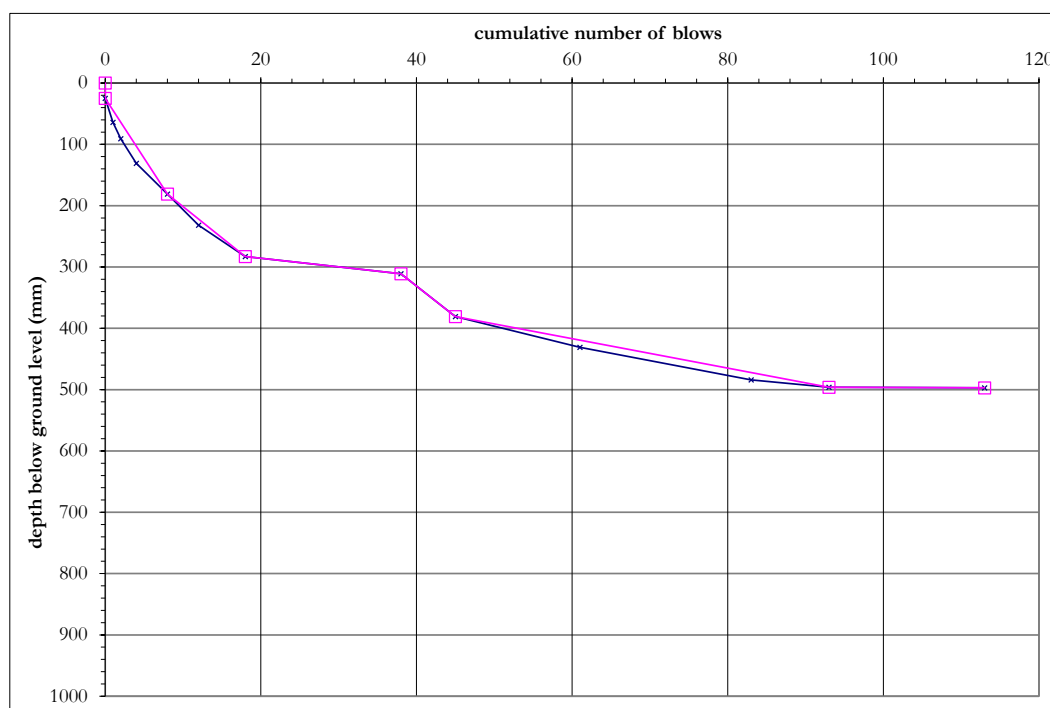


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP34 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | TOPSOIL & GRAVEL                                     |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 25                       |           |         |
| 25                       | 20        | 13      |
| 181                      |           |         |
| 181                      | 10        | 26      |
| 283                      |           |         |
| 283                      | 1.4       | >100    |
| 311                      |           |         |
| 311                      | 10        | 26      |
| 381                      |           |         |
| 381                      | 2.4       | >100    |
| 496                      |           |         |
| 496                      | 0.1       | >100    |
| 497                      |           |         |
|                          |           |         |
|                          |           |         |
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|                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 13<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



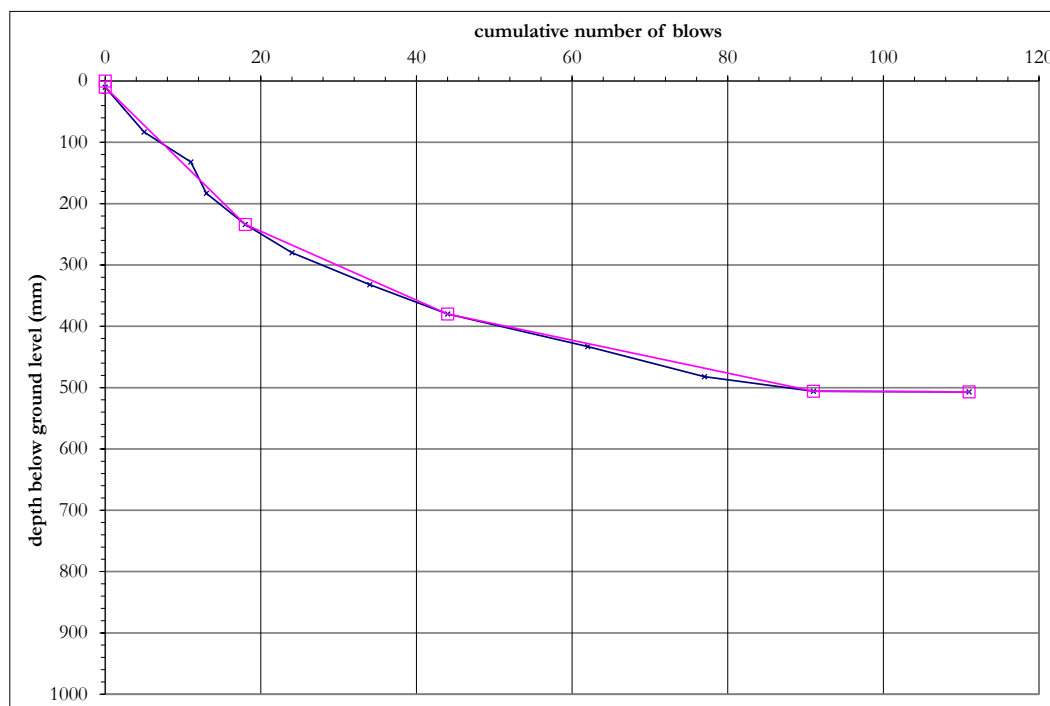


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|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP35 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | GRAVEL                                        |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 21   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

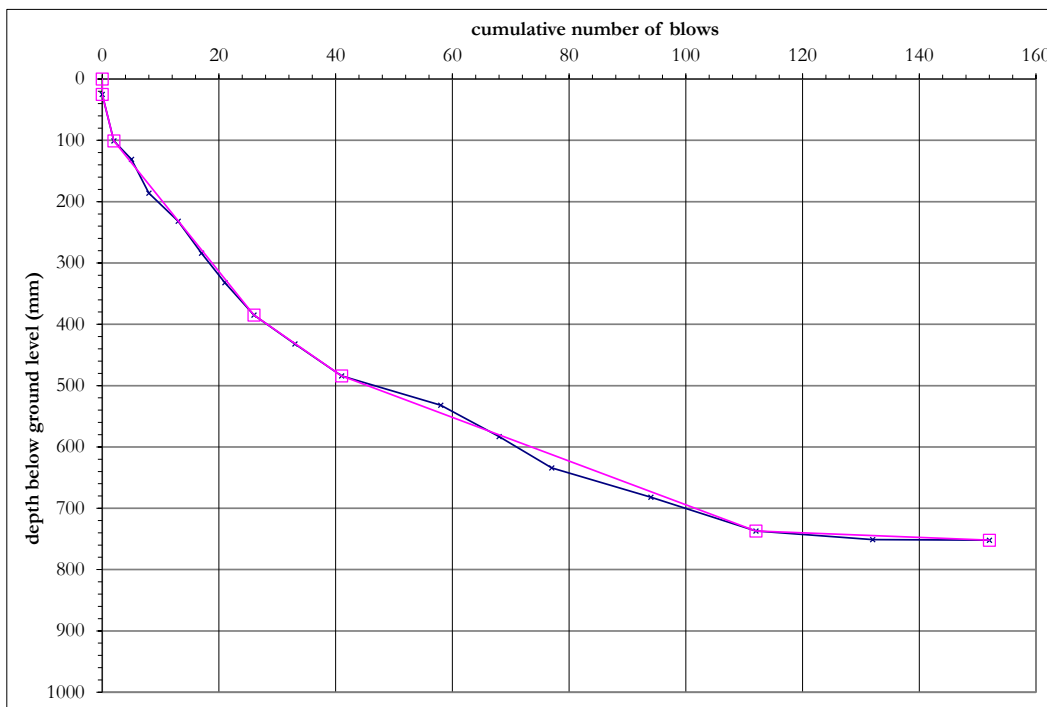


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP36 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | GRAVEL                                               |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 25                       |           |         |
| 25                       | 38        | 6.5     |
| 101                      |           |         |
| 101                      | 12        | 22      |
| 385                      |           |         |
| 385                      | 6.6       | 41      |
| 484                      |           |         |
| 484                      | 3.6       | 79      |
| 737                      |           |         |
| 737                      | 0.4       | >100    |
| 752                      |           |         |
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|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 6.5<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
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|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



# **Dynamic Cone Penetrometer (DCP) test results and estimated CBR**

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

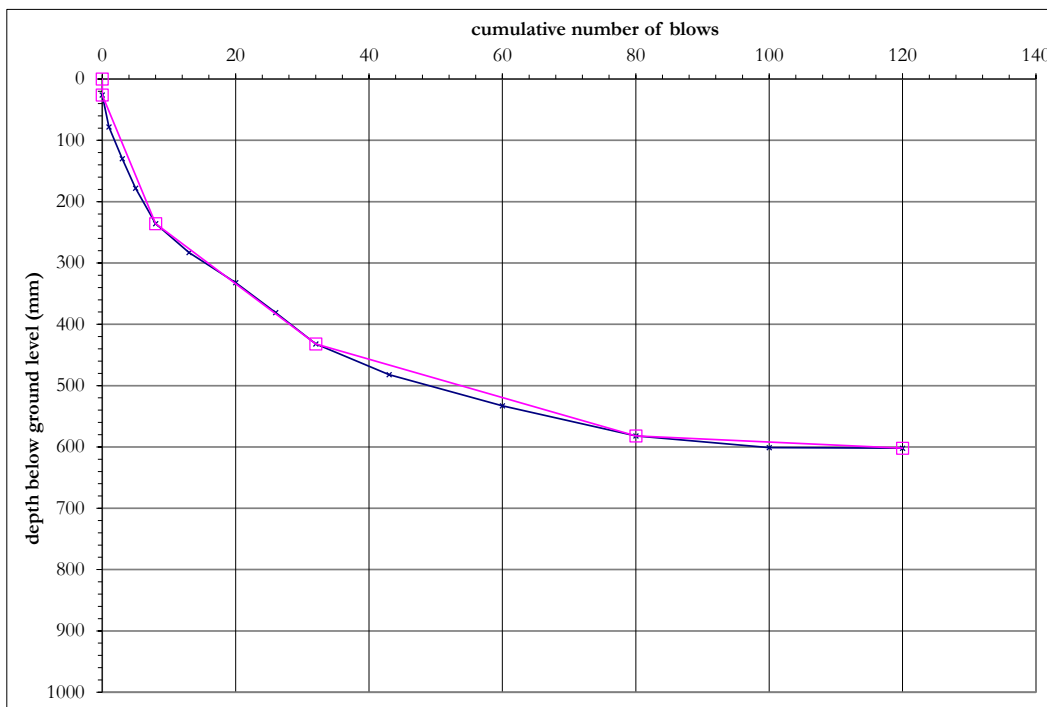


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP37 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | TOPSOIL                                              |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 26                       |           |         |
| 26                       | 26        | 9.5     |
| 236                      |           |         |
| 236                      | 8.2       | 33      |
| 432                      |           |         |
| 432                      | 3.1       | 91      |
| 582                      |           |         |
| 582                      | 0.5       | >100    |
| 602                      |           |         |
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|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 9.5<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |





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|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | GRAVEL                                        |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 37   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



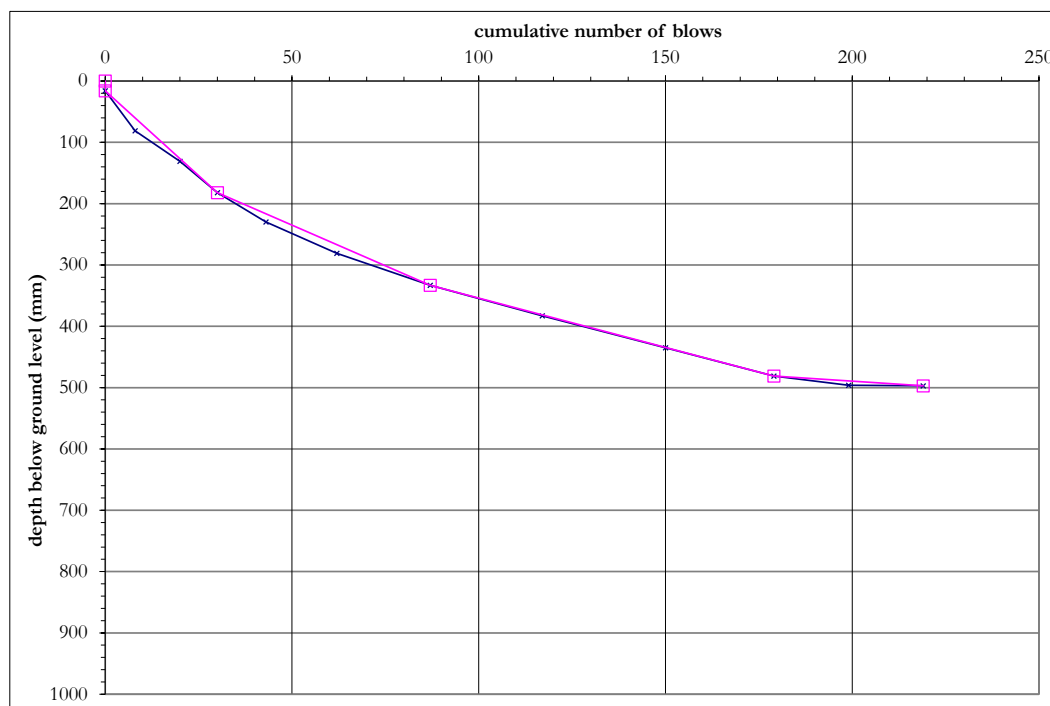


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|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP39 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | GRAVEL                                        |



| top /<br>base of<br>layer<br>(mm) | mm/<br>blow | CBR<br>(%) |
|-----------------------------------|-------------|------------|
| 0                                 | N/A         | N/A        |
| 16                                |             |            |
|                                   |             |            |
| 16                                | 5.5         | 50         |
| 182                               |             |            |
|                                   |             |            |
| 182                               | 2.6         | >100       |
| 333                               |             |            |
|                                   |             |            |
| 333                               | 1.6         | >100       |
| 481                               |             |            |
|                                   |             |            |
| 481                               | 0.4         | >100       |
| 497                               |             |            |
|                                   |             |            |
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|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 50   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



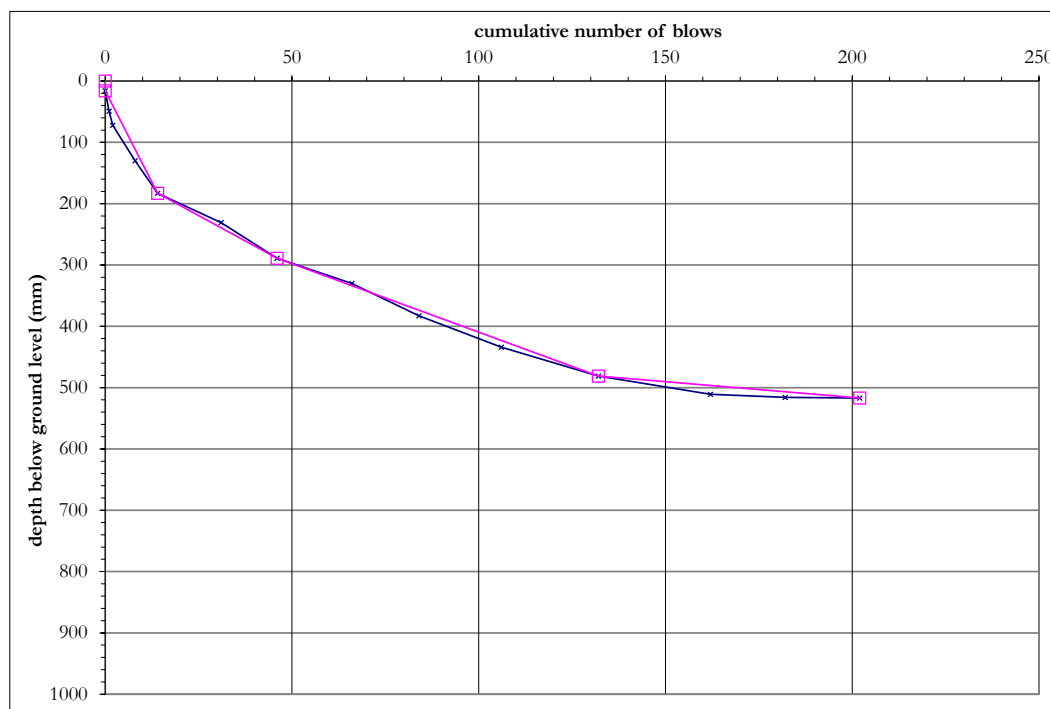


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|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP40 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | GRAVEL                                        |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 22   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

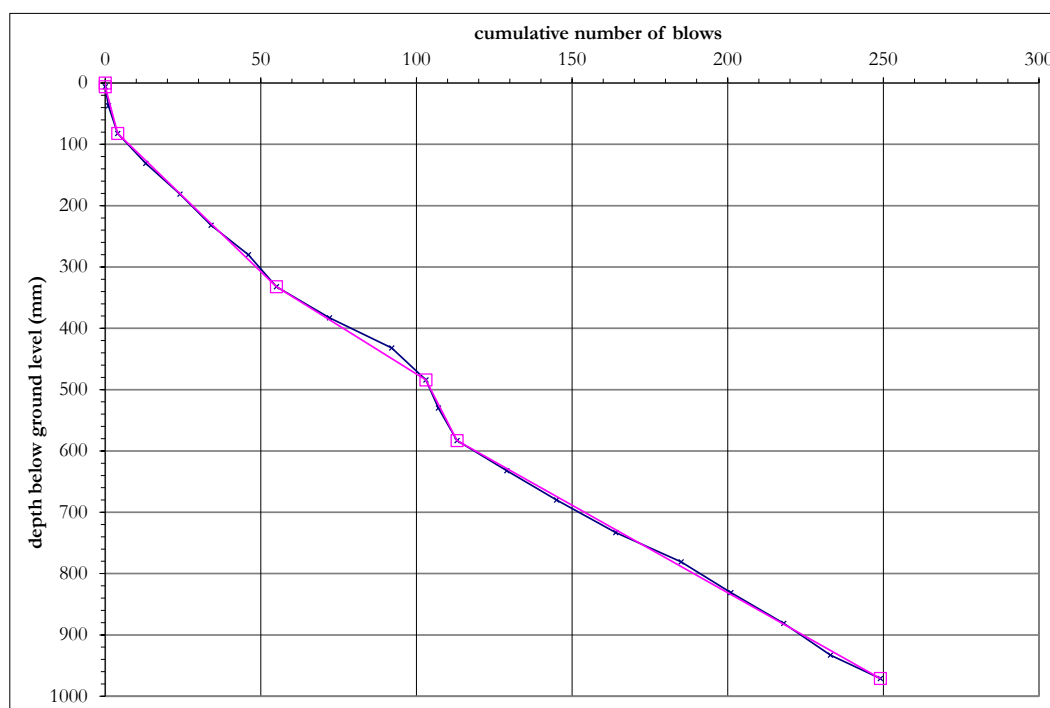


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP41 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | GRAVEL                                               |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 6                        |           |         |
| 6                        | 19        | 13      |
| 82                       |           |         |
| 82                       | 4.9       | 56      |
| 332                      |           |         |
| 332                      | 3.2       | 89      |
| 484                      |           |         |
| 484                      | 9.9       | 27      |
| 583                      |           |         |
| 583                      | 2.9       | 100     |
| 971                      |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |

|                  |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 13<br>Max: 100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |

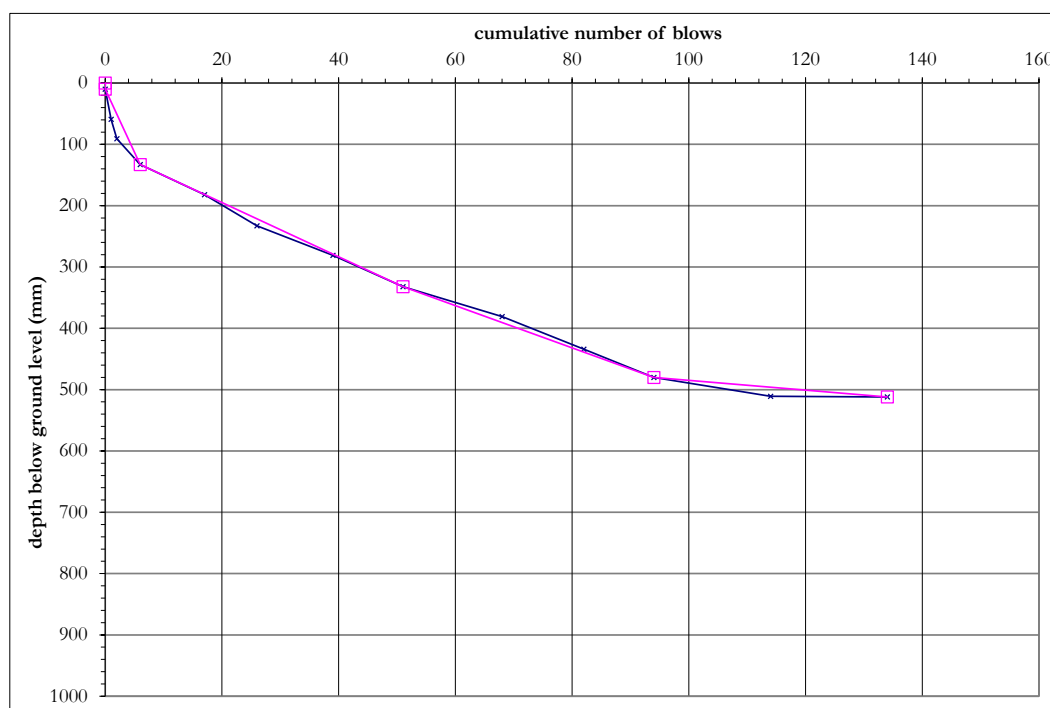




**CAUSEWAY**  
GEOTECH

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

| Surface preparation | Description of surface material at test depth |
|---------------------|-----------------------------------------------|
| None                | TOPSOIL                                       |

[illegible]

|                  |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 12   | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|                  | Max: >100 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                      |      |
|--------------------------------------|------|
| Deviation(s) from standard procedure | None |
|--------------------------------------|------|

|                           |  |
|---------------------------|--|
| Observations and comments |  |
|---------------------------|--|

| Approved Name and Appointment |                                                                                     |           |
|-------------------------------|-------------------------------------------------------------------------------------|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



### Dynamic Cone Penetrometer (DCP) test results and estimated CBR

|                       |                |
|-----------------------|----------------|
| <b>Project Number</b> | 24-0211        |
| <b>Project Name</b>   | Kingston Lands |
| <b>Site Location</b>  | Galway         |

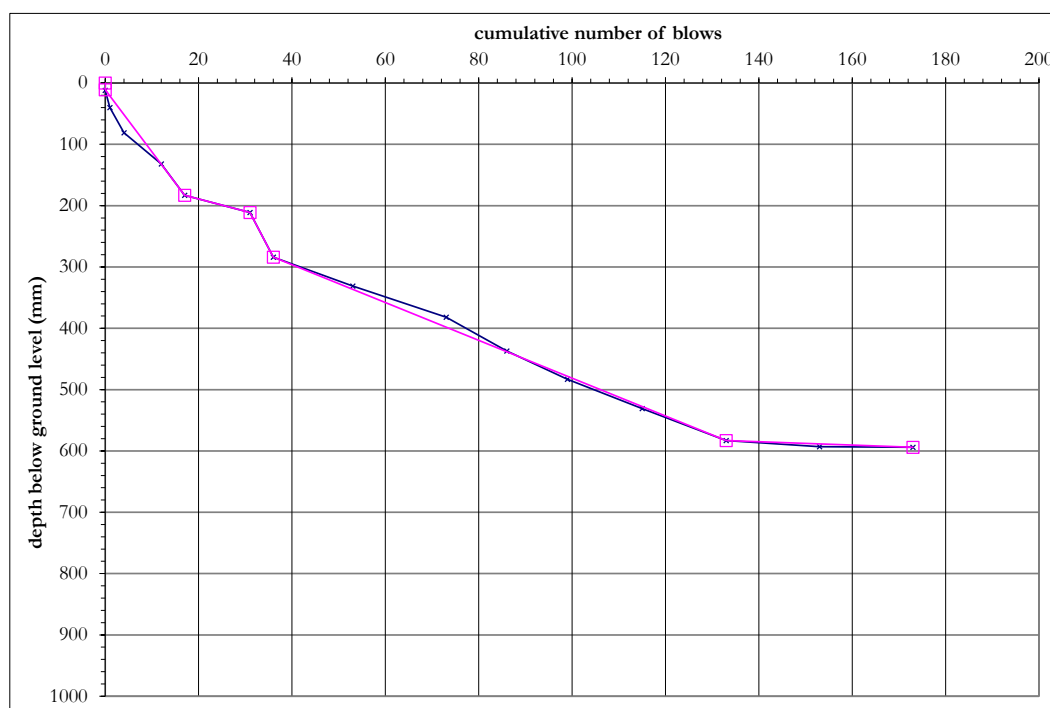


|                      |       |
|----------------------|-------|
| <b>Test Number</b>   | DCP43 |
| <b>Depth bgl (m)</b> | 0.00  |

|                    |            |
|--------------------|------------|
| <b>Date Tested</b> | 31/05/2025 |
| <b>Weather</b>     | Wet        |

Test conducted in accordance with Documented In-House Technical Procedure IMS TP7-4 and DMRB CS 229 Rev 0  
 CBR calculated using the TRRL CBR DCP relationship:  $\log_{10}(\text{CBR}) = 2.48 - 1.057 \times \log_{10}(\text{mm/blow})$  in accordance with DMRB CS 229 Rev 0

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| <b>Surface preparation</b> | <b>Description of surface material at test depth</b> |
| None                       | TOPSOIL                                              |



| top / base of layer (mm) | mm / blow | CBR (%) |
|--------------------------|-----------|---------|
| 0                        | N/A       | N/A     |
| 11                       |           |         |
| 11                       | 10        | 26      |
| 183                      |           |         |
| 183                      | 2         | >100    |
| 211                      |           |         |
| 211                      | 15        | 18      |
| 284                      |           |         |
| 284                      | 3.1       | 92      |
| 583                      |           |         |
| 583                      | 0.3       | >100    |
| 594                      |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |
|                          |           |         |

|                  |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CBR Range</b> | Min: 18<br>Max: >100 | The self-weight penetration at the start of the test (shown above) has not been included in the minimum and maximum values shown to the left. The selection of layers is based on visual interpretation of the data. The insitu DCP reading (mm/blow) and CBR values are valid at the time of testing; variation in moisture content or other factors may affect the insitu value. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report should not be reproduced except in full without the written approval of the laboratory. |
|------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                             |      |
|---------------------------------------------|------|
| <b>Deviation(s) from standard procedure</b> | None |
|---------------------------------------------|------|

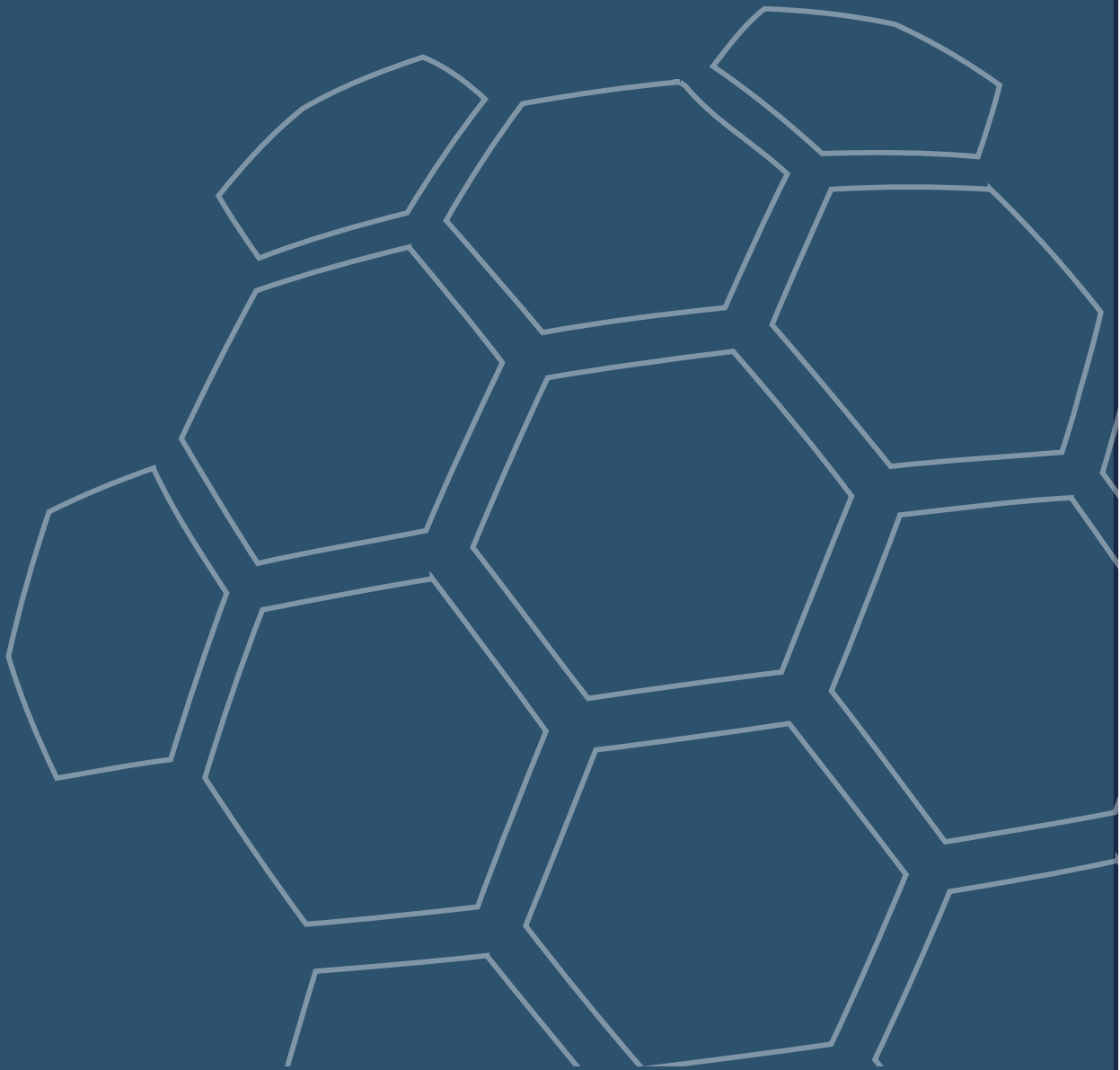
|                                  |  |
|----------------------------------|--|
| <b>Observations and comments</b> |  |
|----------------------------------|--|

| Approved Name and Appointment |  |           |
|-------------------------------|--|-----------|
| Matthew Gilbert<br>Associate  |  | June 2025 |



# APPENDIX K – GROUNDWATER & GAS MONITORING RECORDS

RECEIVED: 16/10/2025



|                   |                        |
|-------------------|------------------------|
| Site:             | Kingston Lands, Galway |
| Project No.:      | 24-0211                |
| Date:             | 13/06/2025             |
| Weather:          | Dry                    |
| Engineer:         | EGA                    |
| Monitoring Round: | 1                      |

| Equipment:         |       | Geotechnical Instruments GA5000 |                     |                     |                    |          |                        |
|--------------------|-------|---------------------------------|---------------------|---------------------|--------------------|----------|------------------------|
| Ambient Conditions | Time  | Barometric Pressure             | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| Before:            | 11:02 | 1020                            | 0.1                 | 0.1                 | 20.9               | 0        | 0                      |
| After:             | 16:27 | 1023                            | 0.0                 | 0.0                 | 21.4               | 1        | 0                      |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH01 |                     |                     |                    | Time: 11:10:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.1                 | 0.1                 | 20.7               | 2              | 0                      |
| 60                | 0.1                 | 0.1                 | 20.7               | 2              | 0                      |
| 90                | 0.1                 | 0.1                 | 20.6               | 3              | 0                      |
| 120               | 0.1                 | 0.1                 | 20.6               | 4              | 0                      |
| 150               | 0.0                 | 0.2                 | 20.5               | 5              | 0                      |
| 180               | 0.0                 | 0.2                 | 20.5               | 6              | 0                      |
| 240               | 0.0                 | 0.2                 | 20.4               | 7              | 0                      |
| 300               | 0.0                 | 0.2                 | 20.3               | 7              | 0                      |

| Flow rates |            |
|------------|------------|
| Time (sec) | Flow (l/h) |
| 30         | 0.1        |
| 60         | 0.1        |
| 90         | 0.1        |
| 120        | 0.1        |
| 150        | 0.1        |
| 180        | 0.1        |
| 240        | 0.1        |
| 300        | 0.1        |

| Groundwater monitoring | mbgl |
|------------------------|------|
| Depth to top of water  | 3.30 |
| Depth to bottom of BH  | 7.70 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH02 |                     |                     |                    | Time: 11:25:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 0.5                 | 20.1               | 0              | 0                      |
| 60                | 0.0                 | 1.6                 | 18.8               | 0              | 0                      |
| 90                | 0.0                 | 2.3                 | 18.1               | 0              | 0                      |
| 120               | 0.0                 | 2.6                 | 17.7               | 0              | 0                      |
| 150               | 0.0                 | 2.8                 | 17.6               | 0              | 0                      |
| 180               | 0.0                 | 2.9                 | 17.5               | 0              | 0                      |
| 240               | 0.0                 | 3.0                 | 17.4               | 0              | 0                      |
| 300               | 0.0                 | 3.0                 | 17.4               | 0              | 0                      |

| Flow rates |            |
|------------|------------|
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.4        |
| 120        | 0.3        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

| Groundwater monitoring | mbgl |
|------------------------|------|
| Depth to top of water  | 3.20 |
| Depth to bottom of BH  | 3.60 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH03 |                     |                     |                    | Time: 11:50:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 0.2                 | 20.1               | 0              | 0                      |
| 60                | 0.0                 | 0.1                 | 18.8               | 0              | 0                      |
| 90                | 0.0                 | 0.1                 | 18.1               | 0              | 0                      |
| 120               | 0.0                 | 0.1                 | 17.7               | 0              | 0                      |
| 150               | 0.0                 | 0.1                 | 17.6               | 0              | 0                      |
| 180               | 0.0                 | 0.1                 | 17.5               | 0              | 0                      |
| 240               | 0.0                 | 0.1                 | 17.4               | 0              | 0                      |
| 300               | 0.0                 | 0.1                 | 17.4               | 0              | 0                      |

| Flow rates |            |
|------------|------------|
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.4        |
| 120        | 0.3        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

| Groundwater monitoring | mbgl |
|------------------------|------|
| Depth to top of water  | 1.01 |
| Depth to bottom of BH  | 3.00 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH06 |                     |                     |                    | Time: 12:15:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 1.9                 | 17.8               | 0              | 0                      |
| 60                | 0.0                 | 1.9                 | 17.8               | 0              | 0                      |
| 90                | 0.0                 | 1.9                 | 17.8               | 0              | 0                      |
| 120               | 0.0                 | 1.9                 | 17.8               | 0              | 0                      |
| 150               | 0.0                 | 1.9                 | 17.8               | 0              | 0                      |
| 180               | 0.0                 | 1.9                 | 17.8               | 0              | 0                      |
| 240               | 0.0                 | 1.9                 | 17.8               | 0              | 0                      |
| 300               | 0.0                 | 1.9                 | 17.8               | 0              | 0                      |

| Flow rates |            |
|------------|------------|
| Time (sec) | Flow (l/h) |
| 30         | 0.2        |
| 60         | 0.3        |
| 90         | 0.3        |
| 120        | 0.3        |
| 150        | 0.3        |
| 180        | 0.3        |
| 240        | 0.3        |
| 300        | 0.3        |

| Groundwater monitoring | mbgl |
|------------------------|------|
| Depth to top of water  | 2.57 |
| Depth to bottom of BH  | 3.00 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH07 |                     |                     |                    | Time: 12:50:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 0.1                 | 20.5               | 2              | 0                      |
| 60                | 0.0                 | 0.0                 | 20.5               | 0              | 0                      |
| 90                | 0.0                 | 0.0                 | 20.5               | 0              | 0                      |
| 120               | 0.0                 | 0.0                 | 20.6               | 0              | 0                      |
| 150               | 0.0                 | 0.0                 | 200.5              | 0              | 0                      |
| 180               | 0.0                 | 0.0                 | 20.6               | 0              | 0                      |
| 240               | 0.0                 | 0.0                 | 20.6               | 0              | 0                      |
| 300               | 0.0                 | 0.0                 | 20.6               | 0              | 0                      |

| Flow rates |            |
|------------|------------|
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.4        |
| 90         | 0.4        |
| 120        | 0.4        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

| Groundwater monitoring | mbgl |
|------------------------|------|
| Depth to top of water  | 0.43 |
| Depth to bottom of BH  | 2.80 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                        |                     |                    |          |                        |
|-------------------|------------------------|---------------------|--------------------|----------|------------------------|
| Site:             | Kingston Lands, Galway |                     |                    |          |                        |
| Project No.:      | 24-0211                |                     |                    |          |                        |
| Date:             | 13/06/2025             |                     |                    |          |                        |
| Weather:          | Dry                    |                     |                    |          |                        |
| Engineer:         | EGA                    |                     |                    |          |                        |
| Monitoring Round: | 1                      |                     |                    |          |                        |
| Borehole No.      |                        | BH08                |                    | Time:    | 13:30:00               |
| Gas readings      |                        |                     |                    |          |                        |
| Time (sec)        | CH <sub>4</sub> (%)    | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30                | 0.0                    | 1.0                 | 19.3               | 1        | 0                      |
| 60                | 0.0                    | 1.8                 | 18.3               | 0        | 0                      |
| 90                | 0.0                    | 3.3                 | 16.5               | 0        | 0                      |
| 120               | 0.0                    | 3.6                 | 16.0               | 0        | 0                      |
| 150               | 0.0                    | 4.0                 | 15.8               | 0        | 0                      |
| 180               | 0.0                    | 4.4                 | 15.1               | 0        | 0                      |
| 240               | 0.0                    | 5.2                 | 14.4               | 0        | 0                      |
| 300               | 0.0                    | 6.2                 | 13.6               | 0        | 0                      |
| 360               | 0.0                    | 6.4                 | 13.3               | 0        | 0                      |
| 420               | 0.0                    | 6.4                 | 13.3               | 0        | 0                      |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH09                |                    | Time: 13:55:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.0                 | 5.1                 | 14.6               | 1              | 0                      |
| 60           | 0.0                 | 5.2                 | 14.5               | 0              | 0                      |
| 90           | 0.0                 | 5.2                 | 14.5               | 0              | 0                      |
| 120          | 0.0                 | 5.2                 | 14.5               | 0              | 0                      |
| 150          | 0.0                 | 5.2                 | 14.5               | 0              | 0                      |
| 180          | 0.0                 | 5.2                 | 14.5               | 0              | 0                      |
| 240          | 0.0                 | 5.2                 | 14.5               | 0              | 0                      |
| 300          | 0.0                 | 5.2                 | 14.5               | 0              | 0                      |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH15                |                    | Time: 15:25:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.0                 | 2.3                 | 18.7               | 1              | 0                      |
| 60           | 0.0                 | 2.8                 | 18.5               | 0              | 0                      |
| 90           | 0.0                 | 2.9                 | 18.4               | 1              | 0                      |
| 120          | 0.0                 | 3.0                 | 18.3               | 0              | 0                      |
| 150          | 0.0                 | 3.0                 | 18.3               | 0              | 0                      |
| 180          | 0.0                 | 3.0                 | 18.3               | 0              | 0                      |
| 240          | 0.0                 | 3.0                 | 18.4               | 0              | 0                      |
| 300          | 0.0                 | 3.0                 | 18.4               | 0              | 0                      |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH16                |                    | Time: 15:05:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.0                 | 1.3                 | 18.7               | 2              | 0                      |
| 60           | 0.0                 | 2.6                 | 16.0               | 1              | 0                      |
| 90           | 0.0                 | 3.8                 | 14.6               | 1              | 0                      |
| 120          | 0.0                 | 4.1                 | 14.1               | 1              | 0                      |
| 150          | 0.0                 | 4.2                 | 14.0               | 0              | 0                      |
| 180          | 0.0                 | 4.3                 | 13.8               | 1              | 0                      |
| 240          | 0.0                 | 4.3                 | 13.7               | 0              | 0                      |
| 300          | 0.0                 | 4.4                 | 13.7               | 0              | 0                      |
| 360          | 0.0                 | 4.3                 | 13.8               | 0              | 0                      |
| 420          | 0.0                 | 4.3                 | 13.8               | 0              | 0                      |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH18                |                    | Time: 14:45:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.0                 | 2.9                 | 17.0               | 1              | 0                      |
| 60           | 0.0                 | 3.3                 | 16.7               | 0              | 0                      |
| 90           | 0.0                 | 3.3                 | 16.6               | 0              | 0                      |
| 120          | 0.0                 | 3.3                 | 16.6               | 0              | 0                      |
| 150          | 0.0                 | 3.3                 | 16.7               | 0              | 0                      |
| 180          | 0.0                 | 3.3                 | 16.7               | 0              | 0                      |
| 240          | 0.0                 | 3.4                 | 16.5               | 0              | 0                      |
| 300          | 0.0                 | 3.5                 | 16.3               | 0              | 0                      |
| 360          | 0.0                 | 3.3                 | 17.9               | 0              | 0                      |

|                    |       |                                 |                     |                     |                    |          |                        |
|--------------------|-------|---------------------------------|---------------------|---------------------|--------------------|----------|------------------------|
| Equipment:         |       | Geotechnical Instruments GA5000 |                     |                     |                    |          |                        |
| Ambient Conditions | Time  | Barometric Pressure             | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| Before:            | 11:02 | 1020                            | 0.1                 | 0.1                 | 20.9               | 0        | 0                      |
| After:             | 16:27 | 1023                            | 0.0                 | 0.0                 | 21.4               | 1        | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.3        |
| 120        | 0.3        |
| 150        | 0.3        |
| 180        | 0.3        |
| 240        | 0.3        |
| 300        | 0.3        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 1.66 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.4        |
| 90         | 0.4        |
| 120        | 0.4        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 1.53 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.4        |
| 90         | 0.4        |
| 120        | 0.4        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 1.46 |
| Depth to bottom of BH  | 1.49 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.4        |
| 120        | 0.4        |
| 150        | 0.3        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 1.20 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.4        |
| 90         | 0.4        |
| 120        | 0.4        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 2.65 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                        |                     |                    |          |                        |
|-------------------|------------------------|---------------------|--------------------|----------|------------------------|
| Site:             | Kingston Lands, Galway |                     |                    |          |                        |
| Project No.:      | 24-0211                |                     |                    |          |                        |
| Date:             | 13/06/2025             |                     |                    |          |                        |
| Weather:          | Dry                    |                     |                    |          |                        |
| Engineer:         | EGA                    |                     |                    |          |                        |
| Monitoring Round: | 1                      |                     |                    |          |                        |
| Borehole No.      |                        | BH19                |                    | Time:    | 14:15:00               |
| Gas readings      |                        |                     |                    |          |                        |
| Time (sec)        | CH <sub>4</sub> (%)    | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30                | 0.0                    | 0.1                 | 20.3               | 1        | 0                      |
| 60                | 0.0                    | 0.1                 | 20.3               | 1        | 0                      |
| 90                | 0.0                    | 0.1                 | 20.2               | 0        | 0                      |
| 120               | 0.0                    | 0.1                 | 20.3               | 1        | 0                      |
| 150               | 0.0                    | 0.1                 | 20.3               | 1        | 0                      |
| 180               | 0.0                    | 0.1                 | 20.2               | 1        | 0                      |
| 240               | 0.0                    | 0.1                 | 20.2               | 1        | 0                      |
| 300               | 0.0                    | 0.1                 | 20.2               | 1        | 0                      |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH19A               |                    | Time: 14:25:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.0                 | 0.1                 | 20.4               | 2              | 0                      |
| 60           | 0.0                 | 0.4                 | 20.1               | 1              | 0                      |
| 90           | 0.0                 | 2.0                 | 18.6               | 1              | 0                      |
| 120          | 0.0                 | 3.4                 | 17.6               | 0              | 0                      |
| 150          | 0.0                 | 3.8                 | 17.3               | 0              | 0                      |
| 180          | 0.0                 | 3.7                 | 17.4               | 0              | 0                      |
| 240          | 0.0                 | 3.5                 | 17.6               | 0              | 0                      |
| 300          | 0.0                 | 3.5                 | 17.9               | 0              | 0                      |
| 360          | 0.0                 | 3.3                 | 17.9               | 0              | 0                      |
| 420          | 0.0                 | 3.3                 | 17.9               | 0              | 0                      |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH23                |                    | Time: 15:40:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.0                 | 1.5                 | 18.8               | 2              | 0                      |
| 60           | 0.0                 | 2.4                 | 17.5               | 1              | 0                      |
| 90           | 0.0                 | 3.0                 | 16.9               | 1              | 0                      |
| 120          | 0.0                 | 3.1                 | 16.9               | 1              | 0                      |
| 150          | 0.0                 | 3.1                 | 16.9               | 1              | 0                      |
| 180          | 0.0                 | 3.1                 | 16.9               | 1              | 0                      |
| 240          | 0.0                 | 3.1                 | 16.9               | 1              | 0                      |
| 300          | 0.0                 | 3.1                 | 16.9               | 1              | 0                      |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH25A               |                    | Time: 15:55:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.0                 | 0.7                 | 20.0               | 2              | 0                      |
| 60           | 0.0                 | 0.8                 | 19.9               | 1              | 0                      |
| 90           | 0.0                 | 0.9                 | 19.7               | 1              | 0                      |
| 120          | 0.0                 | 1.0                 | 19.5               | 1              | 0                      |
| 150          | 0.0                 | 1.1                 | 19.4               | 1              | 0                      |
| 180          | 0.0                 | 1.2                 | 19.2               | 1              | 0                      |
| 240          | 0.0                 | 1.6                 | 18.7               | 1              | 0                      |
| 300          | 0.0                 | 2.0                 | 18.2               | 1              | 0                      |
| 360          | 0.0                 | 2.4                 | 17.7               | 1              | 0                      |
| 420          | 0.0                 | 2.5                 | 17.5               | 1              | 0                      |
| 480          | 0.0                 | 2.6                 | 17.5               | 1              | 0                      |
| 550          | 0.0                 | 2.6                 | 17.5               | 1              | 0                      |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH26                |                    | Time: 16:15:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.0                 | 0.1                 | 20.4               | 1              | 0                      |
| 60           | 0.0                 | 0.4                 | 30.1               | 1              | 0                      |
| 90           | 0.0                 | 0.9                 | 19.5               | 1              | 0                      |
| 120          | 0.0                 | 1.2                 | 19.2               | 1              | 0                      |
| 150          | 0.0                 | 1.2                 | 19.2               | 1              | 0                      |
| 180          | 0.0                 | 1.1                 | 19.4               | 1              | 0                      |
| 240          | 0.0                 | 0.8                 | 19.8               | 1              | 0                      |
| 300          | 0.0                 | 1.1                 | 19.4               | 1              | 0                      |
| 360          | 0.0                 | 1.4                 | 19.0               | 1              | 0                      |
| 420          | 0.0                 | 1.3                 | 19.2               | 1              | 0                      |
| 480          | 0.0                 | 0.9                 | 19.7               | 1              | 0                      |
| 540          | 0.0                 | 0.9                 | 19.7               | 1              | 0                      |

|                    |       |                                 |                     |                     |                    |          |                        |
|--------------------|-------|---------------------------------|---------------------|---------------------|--------------------|----------|------------------------|
| Equipment:         |       | Geotechnical Instruments GA5000 |                     |                     |                    |          |                        |
| Ambient Conditions | Time  | Barometric Pressure             | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| Before:            | 11:02 | 1020                            | 0.1                 | 0.1                 | 20.9               | 0        | 0                      |
| After:             | 16:27 | 1023                            | 0.0                 | 0.0                 | 21.4               | 1        | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.4        |
| 90         | 0.4        |
| 120        | 0.4        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 1.42 |
| Depth to bottom of BH  | 6.19 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.1        |
| 60         | 0.2        |
| 90         | 0.2        |
| 120        | 0.2        |
| 150        | 0.1        |
| 180        | 0.1        |
| 240        | 0.1        |
| 300        | 0.1        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 0.59 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.3        |
| 120        | 0.3        |
| 150        | 0.3        |
| 180        | 0.3        |
| 240        | 0.3        |
| 300        | 0.3        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 2.64 |
| Depth to bottom of BH  | 2.68 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.2        |
| 60         | 0.4        |
| 90         | 0.4        |
| 120        | 0.4        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 1.80 |
| Depth to bottom of BH  | 6.38 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.0        |
| 60         | 0.0        |
| 90         | 0.1        |
| 120        | 0.1        |
| 150        | 0.0        |
| 180        | 0.1        |
| 240        | 0.1        |
| 300        | 0.1        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 2.01 |
| Depth to bottom of BH  | 2.04 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                        |
|-------------------|------------------------|
| Site:             | Kingston Lands, Galway |
| Project No.:      | 24-0211                |
| Date:             | 02/07/2025             |
| Weather:          | Sunny                  |
| Engineer:         | OR                     |
| Monitoring Round: | 2                      |

| Equipment:         |       | Geotechnical Instruments GA5000 |                     |                     |                    |          |                        |
|--------------------|-------|---------------------------------|---------------------|---------------------|--------------------|----------|------------------------|
| Ambient Conditions | Time  | Barometric Pressure             | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| Before:            | 11:04 | 1015                            | 0.2                 | 0.1                 | 21.1               | 0        | 0                      |
| After:             | 17:10 | 1019                            | 0.0                 | 0.1                 | 21.0               | 0        | 0                      |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH01 |                     |                     |                    | Time: 14:44:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 2.4                 | 18.1               | 1              | 0                      |
| 60                | 0.0                 | 2.4                 | 17.7               | 0              | 0                      |
| 90                | 0.0                 | 2.6                 | 17.5               | 0              | 0                      |
| 120               | 0.0                 | 2.7                 | 17.4               | 0              | 0                      |
| 150               | 0.0                 | 2.8                 | 17.3               | 0              | 0                      |
| 180               | 0.0                 | 3.1                 | 17.0               | 0              | 0                      |
| 240               | 0.0                 | 3.8                 | 16.5               | 0              | 0                      |
| 300               | 0.0                 | 3.1                 | 17.2               | 0              | 0                      |

| Flow rates |            |
|------------|------------|
| Time (sec) | Flow (l/h) |
| 30         | 0.4        |
| 60         | 0.5        |
| 90         | 0.5        |
| 120        | 0.5        |
| 150        | 0.5        |
| 180        | 0.5        |
| 240        | 0.5        |
| 300        | 0.5        |

| Groundwater monitoring | mbgl |
|------------------------|------|
| Depth to top of water  | 3.10 |
| Depth to bottom of BH  | 7.70 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH02 |                     |                     |                    | Time: 15:00:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 0.7                 | 17.9               | 1              | 0                      |
| 60                | 0.0                 | 0.6                 | 17.9               | 1              | 0                      |
| 90                | 0.0                 | 0.6                 | 17.9               | 1              | 0                      |
| 120               | 0.0                 | 0.6                 | 18.1               | 1              | 0                      |
| 150               | 0.0                 | 0.5                 | 18.4               | 1              | 0                      |
| 180               | 0.0                 | 0.5                 | 18.7               | 1              | 0                      |
| 240               | 0.0                 | 0.4                 | 19.3               | 1              | 0                      |
| 300               | 0.0                 | 0.3                 | 19.6               | 1              | 0                      |

| Flow rates |            |
|------------|------------|
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.3        |
| 120        | 0.3        |
| 150        | 0.3        |
| 180        | 0.3        |
| 240        | 0.3        |
| 300        | 0.3        |

| Groundwater monitoring | mbgl |
|------------------------|------|
| Depth to top of water  | 3.19 |
| Depth to bottom of BH  | 3.60 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH03 |                     |                     |                    | Time: 15:30:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 3.4                 | 16.9               | 0              | 0                      |
| 60                | 0.0                 | 2.4                 | 17.8               | 0              | 0                      |
| 90                | 0.0                 | 2.5                 | 17.7               | 0              | 0                      |
| 120               | 0.0                 | 2.4                 | 17.8               | 0              | 0                      |
| 150               | 0.0                 | 2.1                 | 18.1               | 0              | 0                      |
| 180               | 0.0                 | 1.9                 | 18.3               | 0              | 0                      |
| 240               | 0.0                 | 1.5                 | 18.8               | 0              | 0                      |
| 300               | 0.0                 | 1.3                 | 19.1               | 0              | 0                      |

| Flow rates |            |
|------------|------------|
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.3        |
| 120        | 0.3        |
| 150        | 0.3        |
| 180        | 0.3        |
| 240        | 0.4        |
| 300        | 0.4        |

| Groundwater monitoring | mbgl |
|------------------------|------|
| Depth to top of water  | 1.02 |
| Depth to bottom of BH  | 3.00 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH06 |                     |                     |                    | Time: 16:08:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 0.9                 | 20.1               | 0              | 0                      |
| 60                | 0.0                 | 0.9                 | 20.1               | 0              | 0                      |
| 90                | 0.0                 | 0.9                 | 20.1               | 0              | 0                      |
| 120               | 0.0                 | 0.8                 | 20.2               | 0              | 0                      |
| 150               | 0.0                 | 0.8                 | 20.2               | 0              | 0                      |
| 180               | 0.0                 | 0.8                 | 20.3               | 0              | 0                      |
| 240               | 0.0                 | 0.7                 | 20.3               | 0              | 0                      |
| 300               | 0.0                 | 0.7                 | 20.3               | 0              | 0                      |

| Flow rates |            |
|------------|------------|
| Time (sec) | Flow (l/h) |
| 30         | 0.4        |
| 60         | 0.4        |
| 90         | 0.4        |
| 120        | 0.4        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

| Groundwater monitoring | mbgl |
|------------------------|------|
| Depth to top of water  | 2.73 |
| Depth to bottom of BH  | 3.00 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH07 |                     |                     |                    | Time: 16:22:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 0.0                 | 20.9               | 7              | 0                      |
| 60                | 0.0                 | 0.0                 | 20.9               | 6              | 0                      |
| 90                | 0.0                 | 0.0                 | 20.9               | 5              | 0                      |
| 120               | 0.0                 | 0.0                 | 21.0               | 4              | 0                      |
| 150               | 0.0                 | 0.0                 | 21.0               | 3              | 0                      |
| 180               | 0.0                 | 0.0                 | 21.0               | 2              | 0                      |
| 240               | 0.0                 | 0.0                 | 21.1               | 1              | 0                      |
| 300               | 0.0                 | 0.0                 | 21.1               | 1              | 0                      |

| Flow rates |            |
|------------|------------|
| Time (sec) | Flow (l/h) |
| 30         | 4.3        |
| 60         | 5.3        |
| 90         | 6.1        |
| 120        | 6.2        |
| 150        | 6.3        |
| 180        | 6.4        |
| 240        | 6.5        |
| 300        | 6.5        |

| Groundwater monitoring | mbgl |
|------------------------|------|
| Depth to top of water  | 0.37 |
| Depth to bottom of BH  | 2.80 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                        |                     |                    |          |                        |
|-------------------|------------------------|---------------------|--------------------|----------|------------------------|
| Site:             | Kingston Lands, Galway |                     |                    |          |                        |
| Project No.:      | 24-0211                |                     |                    |          |                        |
| Date:             | 02/07/2025             |                     |                    |          |                        |
| Weather:          | Sunny                  |                     |                    |          |                        |
| Engineer:         | OR                     |                     |                    |          |                        |
| Monitoring Round: | 2                      |                     |                    |          |                        |
| Borehole No.      |                        | BH08                |                    | Time:    | 16:41:00               |
| Gas readings      |                        |                     |                    |          |                        |
| Time (sec)        | CH <sub>4</sub> (%)    | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30                | 0.0                    | 5.2                 | 14.6               | 0        | 0                      |
| 60                | 0.0                    | 5.2                 | 14.5               | 0        | 0                      |
| 90                | 0.0                    | 5.3                 | 14.3               | 0        | 0                      |
| 120               | 0.0                    | 5.4                 | 14.1               | 0        | 0                      |
| 150               | 0.0                    | 5.6                 | 13.7               | 0        | 0                      |
| 180               | 0.0                    | 5.8                 | 13.2               | 0        | 0                      |
| 240               | 0.0                    | 6.2                 | 12.4               | 0        | 0                      |
| 300               | 0.0                    | 6.7                 | 11.7               | 0        | 0                      |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH09 |                     |                     |                    | Time: 16:59:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 4.3                 | 15.1               | 0              | 0                      |
| 60                | 0.0                 | 4.2                 | 15.1               | 0              | 0                      |
| 90                | 0.0                 | 4.2                 | 15.1               | 0              | 0                      |
| 120               | 0.0                 | 4.2                 | 15.1               | 0              | 0                      |
| 150               | 0.0                 | 4.2                 | 15.1               | 0              | 0                      |
| 180               | 0.0                 | 4.2                 | 15.1               | 0              | 0                      |
| 240               | 0.0                 | 4.2                 | 15.0               | 0              | 0                      |
| 300               | 0.0                 | 4.2                 | 15.0               | 0              | 0                      |

|              |                                            |                     |                    |          |                        |
|--------------|--------------------------------------------|---------------------|--------------------|----------|------------------------|
| Borehole No. |                                            | BH15                |                    | Time:    |                        |
| Gas readings |                                            |                     |                    |          |                        |
| Time (sec)   | CH <sub>4</sub> (%)                        | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30           | No access<br>(landowner permission denied) |                     |                    |          |                        |
| 60           |                                            |                     |                    |          |                        |
| 90           |                                            |                     |                    |          |                        |
| 120          |                                            |                     |                    |          |                        |
| 150          |                                            |                     |                    |          |                        |
| 180          |                                            |                     |                    |          |                        |
| 240          |                                            |                     |                    |          |                        |
| 300          |                                            |                     |                    |          |                        |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH16                |                    | Time: 14:03:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.0                 | 2.0                 | 17.5               | 1              | 0                      |
| 60           | 0.0                 | 2.3                 | 17.0               | 0              | 0                      |
| 90           | 0.0                 | 2.5                 | 16.7               | 0              | 0                      |
| 120          | 0.0                 | 2.8                 | 16.3               | 0              | 0                      |
| 150          | 0.0                 | 3.1                 | 15.8               | 0              | 0                      |
| 180          | 0.0                 | 3.6                 | 15.1               | 0              | 0                      |
| 240          | 0.0                 | 4.1                 | 14.2               | 0              | 0                      |
| 300          | 0.0                 | 4.3                 | 14.0               | 0              | 0                      |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH18                |                    | Time: 13:42:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.1                 | 2.5                 | 18.3               | 0              | 0                      |
| 60           | 0.1                 | 2.5                 | 18.4               | 0              | 0                      |
| 90           | 0.1                 | 2.3                 | 18.5               | 0              | 0                      |
| 120          | 0.1                 | 2.2                 | 18.6               | 0              | 0                      |
| 150          | 0.1                 | 2.1                 | 18.7               | 0              | 0                      |
| 180          | 0.1                 | 2.0                 | 18.8               | 0              | 0                      |
| 240          | 0.1                 | 1.9                 | 18.9               | 0              | 0                      |
| 300          | 0.1                 | 2.0                 | 19.0               | 0              | 0                      |

|                    |       |                                 |                     |                     |                    |          |                        |
|--------------------|-------|---------------------------------|---------------------|---------------------|--------------------|----------|------------------------|
| Equipment:         |       | Geotechnical Instruments GA5000 |                     |                     |                    |          |                        |
| Ambient Conditions | Time  | Barometric Pressure             | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| Before:            | 11:04 | 1015                            | 0.2                 | 0.1                 | 21.1               | 0        | 0                      |
| After:             | 17:10 | 1019                            | 0.0                 | 0.1                 | 21.0               | 0        | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.2        |
| 60         | 0.2        |
| 90         | 0.2        |
| 120        | 0.2        |
| 150        | 0.2        |
| 180        | 0.2        |
| 240        | 0.2        |
| 300        | 0.2        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 1.66 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.1        |
| 60         | 0.1        |
| 90         | 0.1        |
| 120        | 0.1        |
| 150        | 0.1        |
| 180        | 0.1        |
| 240        | 0.1        |
| 300        | 0.1        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 1.51 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         |            |
| 60         |            |
| 90         |            |
| 120        |            |
| 150        |            |
| 180        |            |
| 240        |            |
| 300        |            |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  |      |
| Depth to bottom of BH  |      |
| Sample collected (Y/N) |      |
| Sample depth           |      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.4        |
| 60         | 0.4        |
| 90         | 0.5        |
| 120        | 0.5        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.5        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 1.20 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.3        |
| 120        | 0.3        |
| 150        | 0.3        |
| 180        | 0.3        |
| 240        | 0.3        |
| 300        | 0.3        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 2.65 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                        |                     |                    |                |                        |
|-------------------|------------------------|---------------------|--------------------|----------------|------------------------|
| Site:             | Kingston Lands, Galway |                     |                    |                |                        |
| Project No.:      | 24-0211                |                     |                    |                |                        |
| Date:             | 02/07/2025             |                     |                    |                |                        |
| Weather:          | Sunny                  |                     |                    |                |                        |
| Engineer:         | OR                     |                     |                    |                |                        |
| Monitoring Round: | 2                      |                     |                    |                |                        |
| Borehole No.      |                        | BH19                |                    | Time: 11:22:00 |                        |
| Gas readings      |                        |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%)    | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.1                    | 5.1                 | 13.6               | 0              | 0                      |
| 60                | 0.1                    | 5.6                 | 13.0               | 0              | 0                      |
| 90                | 0.1                    | 5.6                 | 13.0               | 0              | 0                      |
| 120               | 0.1                    | 5.5                 | 13.0               | 0              | 0                      |
| 150               | 0.1                    | 5.5                 | 13.0               | 0              | 0                      |
| 180               | 0.1                    | 5.5                 | 13.0               | 0              | 0                      |
| 240               | 0.1                    | 5.4                 | 13.1               | 0              | 0                      |
| 300               | 0.1                    | 5.3                 | 13.1               | 0              | 0                      |

|                    |       |                                 |                     |                     |                    |          |                        |
|--------------------|-------|---------------------------------|---------------------|---------------------|--------------------|----------|------------------------|
| Equipment:         |       | Geotechnical Instruments GA5000 |                     |                     |                    |          |                        |
| Ambient Conditions | Time  | Barometric Pressure             | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| Before:            | 11:04 | 1015                            | 0.2                 | 0.1                 | 21.1               | 0        | 0                      |
| After:             | 17:10 | 1019                            | 0.0                 | 0.1                 | 21.0               | 0        | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.3        |
| 120        | 0.3        |
| 150        | 0.3        |
| 180        | 0.3        |
| 240        | 0.3        |
| 300        | 0.3        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 1.31 |
| Depth to bottom of BH  | 6.10 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH19A               |                    | Time: 11:09:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.1                 | 4.9                 | 16.1               | 0              | 0                      |
| 60           | 0.1                 | 4.9                 | 16.0               | 0              | 0                      |
| 90           | 0.1                 | 4.8                 | 16.0               | 0              | 0                      |
| 120          | 0.1                 | 4.8                 | 16.2               | 0              | 0                      |
| 150          | 0.1                 | 4.7                 | 16.3               | 0              | 0                      |
| 180          | 0.1                 | 4.6                 | 16.5               | 0              | 0                      |
| 240          | 0.1                 | 4.3                 | 16.8               | 0              | 0                      |
| 300          | 0.1                 | 4.1                 | 17.1               | 0              | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.3        |
| 120        | 0.3        |
| 150        | 0.3        |
| 180        | 0.3        |
| 240        | 0.3        |
| 300        | 0.3        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 0.59 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|              |                                            |                     |                    |          |                        |
|--------------|--------------------------------------------|---------------------|--------------------|----------|------------------------|
| Borehole No. |                                            | BH23                |                    | Time:    |                        |
| Gas readings |                                            |                     |                    |          |                        |
| Time (sec)   | CH <sub>4</sub> (%)                        | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30           | No access<br>(landowner permission denied) |                     |                    |          |                        |
| 60           |                                            |                     |                    |          |                        |
| 90           |                                            |                     |                    |          |                        |
| 120          |                                            |                     |                    |          |                        |
| 150          |                                            |                     |                    |          |                        |
| 180          |                                            |                     |                    |          |                        |
| 240          |                                            |                     |                    |          |                        |
| 300          |                                            |                     |                    |          |                        |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         |            |
| 60         |            |
| 90         |            |
| 120        |            |
| 150        |            |
| 180        |            |
| 240        |            |
| 300        |            |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  |      |
| Depth to bottom of BH  |      |
| Sample collected (Y/N) |      |
| Sample depth           |      |

|              |                                            |                     |                    |          |                        |
|--------------|--------------------------------------------|---------------------|--------------------|----------|------------------------|
| Borehole No. |                                            | BH25                |                    | Time:    |                        |
| Gas readings |                                            |                     |                    |          |                        |
| Time (sec)   | CH <sub>4</sub> (%)                        | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30           | No access<br>(landowner permission denied) |                     |                    |          |                        |
| 60           |                                            |                     |                    |          |                        |
| 90           |                                            |                     |                    |          |                        |
| 120          |                                            |                     |                    |          |                        |
| 150          |                                            |                     |                    |          |                        |
| 180          |                                            |                     |                    |          |                        |
| 240          |                                            |                     |                    |          |                        |
| 300          |                                            |                     |                    |          |                        |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         |            |
| 60         |            |
| 90         |            |
| 120        |            |
| 150        |            |
| 180        |            |
| 240        |            |
| 300        |            |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  |      |
| Depth to bottom of BH  |      |
| Sample collected (Y/N) |      |
| Sample depth           |      |

|              |                                            |                     |                    |          |                        |
|--------------|--------------------------------------------|---------------------|--------------------|----------|------------------------|
| Borehole No. |                                            | BH25a               |                    | Time:    |                        |
| Gas readings |                                            |                     |                    |          |                        |
| Time (sec)   | CH <sub>4</sub> (%)                        | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30           | No access<br>(landowner permission denied) |                     |                    |          |                        |
| 60           |                                            |                     |                    |          |                        |
| 90           |                                            |                     |                    |          |                        |
| 120          |                                            |                     |                    |          |                        |
| 150          |                                            |                     |                    |          |                        |
| 180          |                                            |                     |                    |          |                        |
| 240          |                                            |                     |                    |          |                        |
| 300          |                                            |                     |                    |          |                        |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         |            |
| 60         |            |
| 90         |            |
| 120        |            |
| 150        |            |
| 180        |            |
| 240        |            |
| 300        |            |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  |      |
| Depth to bottom of BH  |      |
| Sample collected (Y/N) |      |
| Sample depth           |      |

|                   |                        |
|-------------------|------------------------|
| Site:             | Kingston Lands, Galway |
| Project No.:      | 24-0211                |
| Date:             | 23/07/2025             |
| Weather:          | Overcast and mild      |
| Engineer:         | OR                     |
| Monitoring Round: | 3                      |

|                    |       |                                 |                     |                     |                    |          |                        |
|--------------------|-------|---------------------------------|---------------------|---------------------|--------------------|----------|------------------------|
| Equipment:         |       | Geotechnical Instruments GA5000 |                     |                     |                    |          |                        |
| Ambient Conditions | Time  | Barometric Pressure             | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| Before:            | 07:56 | 1012                            | 0.1                 | 0.1                 | 21.0               | 0        | 0                      |
| After:             | 11:41 | 1016                            | 0.0                 | 0.1                 | 20.6               | 0        | 0                      |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH01 |                     |                     |                    | Time: 08:55:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.1                 | 0.7                 | 19.5               | 0              | 0                      |
| 60                | 0.1                 | 0.7                 | 19.5               | 0              | 0                      |
| 90                | 0.1                 | 0.7                 | 19.5               | 0              | 0                      |
| 120               | 0.1                 | 0.6                 | 19.6               | 0              | 0                      |
| 150               | 0.1                 | 0.5                 | 19.9               | 0              | 0                      |
| 180               | 0.1                 | 0.5                 | 20.1               | 0              | 0                      |
| 240               | 0.1                 | 0.3                 | 20.4               | 0              | 0                      |
| 300               | 0.1                 | 0.3                 | 20.5               | 0              | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.3        |
| 120        | 0.3        |
| 150        | 0.3        |
| 180        | 0.3        |
| 240        | 0.3        |
| 300        | 0.3        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 2.82 |
| Depth to bottom of BH  | 7.70 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH02 |                     |                     |                    | Time: 09:18:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 0.6                 | 20.3               | 0              | 0                      |
| 60                | 0.0                 | 0.7                 | 20.2               | 0              | 0                      |
| 90                | 0.0                 | 0.7                 | 20.2               | 0              | 0                      |
| 120               | 0.0                 | 0.8                 | 20.1               | 0              | 0                      |
| 150               | 0.0                 | 1.3                 | 19.7               | 0              | 0                      |
| 180               | 0.0                 | 1.8                 | 19.3               | 0              | 0                      |
| 240               | 0.0                 | 2.1                 | 19.0               | 0              | 0                      |
| 300               | 0.0                 | 2.1                 | 19.0               | 0              | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.3        |
| 120        | 0.3        |
| 150        | 0.3        |
| 180        | 0.3        |
| 240        | 0.3        |
| 300        | 0.3        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 2.81 |
| Depth to bottom of BH  | 3.60 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH03 |                     |                     |                    | Time: 09:31:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.1                 | 3.4                 | 17.7               | 1              | 0                      |
| 60                | 0.0                 | 3.3                 | 17.7               | 1              | 0                      |
| 90                | 0.0                 | 3.2                 | 17.8               | 1              | 0                      |
| 120               | 0.0                 | 2.9                 | 18.1               | 0              | 0                      |
| 150               | 0.0                 | 2.1                 | 18.8               | 0              | 0                      |
| 180               | 0.0                 | 1.8                 | 19.1               | 0              | 0                      |
| 240               | 0.0                 | 1.1                 | 19.8               | 0              | 0                      |
| 300               | 0.0                 | 0.4                 | 20.4               | 0              | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.2        |
| 60         | 0.3        |
| 90         | 0.3        |
| 120        | 0.3        |
| 150        | 0.3        |
| 180        | 0.3        |
| 240        | 0.4        |
| 300        | 0.4        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 0.74 |
| Depth to bottom of BH  | 3.00 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                     |                     |                    |          |                        |
|-------------------|---------------------|---------------------|--------------------|----------|------------------------|
| Borehole No. BH06 |                     |                     | Time: 09:52:00     |          |                        |
| Gas readings      |                     |                     |                    |          |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 1.4                 | 19.5               | 0        | 0                      |
| 60                | 0.0                 | 1.5                 | 19.4               | 0        | 0                      |
| 90                | 0.0                 | 1.6                 | 19.3               | 0        | 0                      |
| 120               | 0.0                 | 1.7                 | 19.2               | 0        | 0                      |
| 150               | 0.0                 | 1.7                 | 19.1               | 0        | 0                      |
| 180               | 0.0                 | 1.8                 | 19.0               | 0        | 0                      |
| 240               | 0.0                 | 1.9                 | 18.9               | 0        | 0                      |
| 300               | 0.0                 | 2.0                 | 18.7               | 0        | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.2        |
| 60         | 0.2        |
| 90         | 0.2        |
| 120        | 0.2        |
| 150        | 0.2        |
| 180        | 0.2        |
| 240        | 0.2        |
| 300        | 0.2        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 2.75 |
| Depth to bottom of BH  | 3.00 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                                                             |                     |                    |          |                        |
|-------------------|-------------------------------------------------------------|---------------------|--------------------|----------|------------------------|
| Borehole No. BH07 |                                                             | Time: 10:18:00      |                    |          |                        |
| Gas readings      |                                                             |                     |                    |          |                        |
| Time (sec)        | CH <sub>4</sub> (%)                                         | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30                | 0.0                                                         | 0.7                 | 20.4               | 5        | 0                      |
| 60                | 0.0                                                         | 0.6                 | 20.4               | 3        | 0                      |
| 90                | Readings terminated due to entry of water into gas analyser |                     |                    |          |                        |
| 120               |                                                             |                     |                    |          |                        |
| 150               |                                                             |                     |                    |          |                        |
| 180               |                                                             |                     |                    |          |                        |
| 240               |                                                             |                     |                    |          |                        |
| 300               |                                                             |                     |                    |          |                        |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.0        |
| 60         | 0.0        |
| 90         |            |
| 120        |            |
| 150        |            |
| 180        |            |
| 240        |            |
| 300        |            |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 0.13 |
| Depth to bottom of BH  | 2.80 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                        |                     |                    |          |                        |
|-------------------|------------------------|---------------------|--------------------|----------|------------------------|
| Site:             | Kingston Lands, Galway |                     |                    |          |                        |
| Project No.:      | 24-0211                |                     |                    |          |                        |
| Date:             | 23/07/2025             |                     |                    |          |                        |
| Weather:          | Overcast and mild      |                     |                    |          |                        |
| Engineer:         | OR                     |                     |                    |          |                        |
| Monitoring Round: | 3                      |                     |                    |          |                        |
| Borehole No.      |                        | BH08                |                    | Time:    | 10:28:00               |
| Gas readings      |                        |                     |                    |          |                        |
| Time (sec)        | CH <sub>4</sub> (%)    | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30                | 0.0                    | 7.3                 | 11.2               | 0        | 0                      |
| 60                | 0.0                    | 7.4                 | 11.0               | 0        | 0                      |
| 90                | 0.0                    | 7.4                 | 10.8               | 0        | 0                      |
| 120               | 0.0                    | 7.6                 | 10.5               | 0        | 0                      |
| 150               | 0.0                    | 7.7                 | 10.1               | 0        | 0                      |
| 180               | 0.0                    | 8.0                 | 9.5                | 0        | 0                      |
| 240               | 0.0                    | 8.5                 | 8.5                | 0        | 0                      |
| 300               | 0.0                    | 8.6                 | 8.3                | 0        | 0                      |

|                    |       |                                 |                     |                     |                    |          |                        |
|--------------------|-------|---------------------------------|---------------------|---------------------|--------------------|----------|------------------------|
| Equipment:         |       | Geotechnical Instruments GA5000 |                     |                     |                    |          |                        |
| Ambient Conditions | Time  | Barometric Pressure             | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| Before:            | 07:56 | 1012                            | 0.1                 | 0.1                 | 21.0               | 0        | 0                      |
| After:             | 11:41 | 1016                            | 0.0                 | 0.1                 | 20.6               | 0        | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.4        |
| 90         | 0.4        |
| 120        | 0.4        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 1.53 |
| Depth to bottom of BH  | 1.66 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH09                |                    | Time: 08:07:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.1                 | 6.1                 | 11.1               | 0              | 0                      |
| 60           | 0.1                 | 6.2                 | 10.6               | 0              | 0                      |
| 90           | 0.1                 | 6.2                 | 10.6               | 0              | 0                      |
| 120          | 0.1                 | 6.2                 | 10.6               | 0              | 0                      |
| 150          | 0.1                 | 6.2                 | 10.5               | 0              | 0                      |
| 180          | 0.1                 | 6.2                 | 10.5               | 0              | 0                      |
| 240          | 0.1                 | 6.2                 | 10.4               | 0              | 0                      |
| 300          | 0.1                 | 6.4                 | 10.3               | 0              | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.1        |
| 60         | 0.1        |
| 90         | 0.1        |
| 120        | 0.1        |
| 150        | 0.1        |
| 180        | 0.1        |
| 240        | 0.1        |
| 300        | 0.1        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 1.50 |
| Depth to bottom of BH  | 1.51 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|              |                                            |                     |                    |          |                        |
|--------------|--------------------------------------------|---------------------|--------------------|----------|------------------------|
| Borehole No. |                                            | BH15                |                    | Time:    |                        |
| Gas readings |                                            |                     |                    |          |                        |
| Time (sec)   | CH <sub>4</sub> (%)                        | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30           | No access<br>(landowner permission denied) |                     |                    |          |                        |
| 60           |                                            |                     |                    |          |                        |
| 90           |                                            |                     |                    |          |                        |
| 120          |                                            |                     |                    |          |                        |
| 150          |                                            |                     |                    |          |                        |
| 180          |                                            |                     |                    |          |                        |
| 240          |                                            |                     |                    |          |                        |
| 300          |                                            |                     |                    |          |                        |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         |            |
| 60         |            |
| 90         |            |
| 120        |            |
| 150        |            |
| 180        |            |
| 240        |            |
| 300        |            |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  |      |
| Depth to bottom of BH  |      |
| Sample collected (Y/N) |      |
| Sample depth           |      |

|                   |                     |                     |                    |                |                        |
|-------------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. BH16 |                     |                     |                    | Time: 11:30:00 |                        |
| Gas readings      |                     |                     |                    |                |                        |
| Time (sec)        | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30                | 0.0                 | 0.3                 | 20.3               | 2              | 0                      |
| 60                | 0.0                 | 0.4                 | 20.3               | 0              | 0                      |
| 90                | 0.0                 | 0.4                 | 20.2               | 0              | 0                      |
| 120               | 0.0                 | 0.6                 | 20.0               | 0              | 0                      |
| 150               | 0.0                 | 0.7                 | 19.8               | 0              | 0                      |
| 180               | 0.0                 | 0.9                 | 19.5               | 0              | 0                      |
| 240               | 0.0                 | 1.2                 | 19.1               | 0              | 0                      |
| 300               | 0.0                 | 1.2                 | 19.1               | 0              | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.4        |
| 60         | 0.4        |
| 90         | 0.4        |
| 120        | 0.4        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 1.20 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH18                |                    | Time: 11:18:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.0                 | 2.7                 | 17.4               | 0              | 0                      |
| 60           | 0.0                 | 2.8                 | 17.4               | 0              | 0                      |
| 90           | 0.0                 | 2.8                 | 17.3               | 0              | 0                      |
| 120          | 0.0                 | 2.9                 | 17.2               | 0              | 0                      |
| 150          | 0.0                 | 3.0                 | 17.0               | 0              | 0                      |
| 180          | 0.0                 | 3.1                 | 16.9               | 0              | 0                      |
| 240          | 0.0                 | 3.4                 | 16.5               | 0              | 0                      |
| 300          | 0.0                 | 3.6                 | 16.3               | 0              | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.4        |
| 90         | 0.4        |
| 120        | 0.4        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 2.65 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|                   |                        |                     |                    |          |                        |
|-------------------|------------------------|---------------------|--------------------|----------|------------------------|
| Site:             | Kingston Lands, Galway |                     |                    |          |                        |
| Project No.:      | 24-0211                |                     |                    |          |                        |
| Date:             | 23/07/2025             |                     |                    |          |                        |
| Weather:          | Overcast and mild      |                     |                    |          |                        |
| Engineer:         | OR                     |                     |                    |          |                        |
| Monitoring Round: | 3                      |                     |                    |          |                        |
| Borehole No.      |                        | BH19                |                    | Time:    | 11:08:00               |
| Gas readings      |                        |                     |                    |          |                        |
| Time (sec)        | CH <sub>4</sub> (%)    | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30                | 0.0                    | 0.8                 | 20.2               | 0        | 0                      |
| 60                | 0.0                    | 0.8                 | 20.2               | 0        | 0                      |
| 90                | 0.0                    | 0.7                 | 20.2               | 0        | 0                      |
| 120               | 0.0                    | 0.7                 | 20.2               | 0        | 0                      |
| 150               | 0.0                    | 0.7                 | 20.2               | 0        | 0                      |
| 180               | 0.0                    | 0.7                 | 20.2               | 0        | 0                      |
| 240               | 0.0                    | 0.7                 | 20.2               | 0        | 0                      |
| 300               | 0.0                    | 0.7                 | 20.2               | 0        | 0                      |

|              |                     |                     |                    |                |                        |
|--------------|---------------------|---------------------|--------------------|----------------|------------------------|
| Borehole No. |                     | BH19A               |                    | Time: 10:57:00 |                        |
| Gas readings |                     |                     |                    |                |                        |
| Time (sec)   | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm)       | H <sub>2</sub> S (ppm) |
| 30           | 0.0                 | 5.6                 | 15.0               | 1              | 0                      |
| 60           | 0.0                 | 5.7                 | 14.9               | 0              | 0                      |
| 90           | 0.0                 | 5.8                 | 14.9               | 0              | 0                      |
| 120          | 0.0                 | 5.8                 | 14.9               | 0              | 0                      |
| 150          | 0.0                 | 5.9                 | 14.9               | 0              | 0                      |
| 180          | 0.0                 | 5.8                 | 15.0               | 0              | 0                      |
| 240          | 0.0                 | 5.6                 | 15.3               | 0              | 0                      |
| 300          | 0.0                 | 5.1                 | 15.8               | 0              | 0                      |

|              |                                            |                     |                    |          |                        |
|--------------|--------------------------------------------|---------------------|--------------------|----------|------------------------|
| Borehole No. |                                            | BH23                |                    | Time:    |                        |
| Gas readings |                                            |                     |                    |          |                        |
| Time (sec)   | CH <sub>4</sub> (%)                        | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30           | No access<br>(landowner permission denied) |                     |                    |          |                        |
| 60           |                                            |                     |                    |          |                        |
| 90           |                                            |                     |                    |          |                        |
| 120          |                                            |                     |                    |          |                        |
| 150          |                                            |                     |                    |          |                        |
| 180          |                                            |                     |                    |          |                        |
| 240          |                                            |                     |                    |          |                        |
| 300          |                                            |                     |                    |          |                        |

|              |                                            |                     |                    |          |                        |
|--------------|--------------------------------------------|---------------------|--------------------|----------|------------------------|
| Borehole No. |                                            | BH25                |                    | Time:    |                        |
| Gas readings |                                            |                     |                    |          |                        |
| Time (sec)   | CH <sub>4</sub> (%)                        | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30           | No access<br>(landowner permission denied) |                     |                    |          |                        |
| 60           |                                            |                     |                    |          |                        |
| 90           |                                            |                     |                    |          |                        |
| 120          |                                            |                     |                    |          |                        |
| 150          |                                            |                     |                    |          |                        |
| 180          |                                            |                     |                    |          |                        |
| 240          |                                            |                     |                    |          |                        |
| 300          |                                            |                     |                    |          |                        |

|              |                                            |                     |                    |          |                        |
|--------------|--------------------------------------------|---------------------|--------------------|----------|------------------------|
| Borehole No. |                                            | BH25A               |                    | Time:    |                        |
| Gas readings |                                            |                     |                    |          |                        |
| Time (sec)   | CH <sub>4</sub> (%)                        | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| 30           | No access<br>(landowner permission denied) |                     |                    |          |                        |
| 60           |                                            |                     |                    |          |                        |
| 90           |                                            |                     |                    |          |                        |
| 120          |                                            |                     |                    |          |                        |
| 150          |                                            |                     |                    |          |                        |
| 180          |                                            |                     |                    |          |                        |
| 240          |                                            |                     |                    |          |                        |
| 300          |                                            |                     |                    |          |                        |

|                    |       |                                 |                     |                     |                    |          |                        |
|--------------------|-------|---------------------------------|---------------------|---------------------|--------------------|----------|------------------------|
| Equipment:         |       | Geotechnical Instruments GA5000 |                     |                     |                    |          |                        |
| Ambient Conditions | Time  | Barometric Pressure             | CH <sub>4</sub> (%) | CO <sub>2</sub> (%) | O <sub>2</sub> (%) | CO (ppm) | H <sub>2</sub> S (ppm) |
| Before:            | 07:56 | 1012                            | 0.1                 | 0.1                 | 21.0               | 0        | 0                      |
| After:             | 11:41 | 1016                            | 0.0                 | 0.1                 | 20.6               | 0        | 0                      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.3        |
| 120        | 0.3        |
| 150        | 0.3        |
| 180        | 0.3        |
| 240        | 0.3        |
| 300        | 0.3        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | 1.11 |
| Depth to bottom of BH  | 6.10 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         | 0.3        |
| 60         | 0.3        |
| 90         | 0.4        |
| 120        | 0.4        |
| 150        | 0.4        |
| 180        | 0.4        |
| 240        | 0.4        |
| 300        | 0.4        |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  | Dry  |
| Depth to bottom of BH  | 0.59 |
| Sample collected (Y/N) | N    |
| Sample depth           | N/A  |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         |            |
| 60         |            |
| 90         |            |
| 120        |            |
| 150        |            |
| 180        |            |
| 240        |            |
| 300        |            |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  |      |
| Depth to bottom of BH  |      |
| Sample collected (Y/N) |      |
| Sample depth           |      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         |            |
| 60         |            |
| 90         |            |
| 120        |            |
| 150        |            |
| 180        |            |
| 240        |            |
| 300        |            |

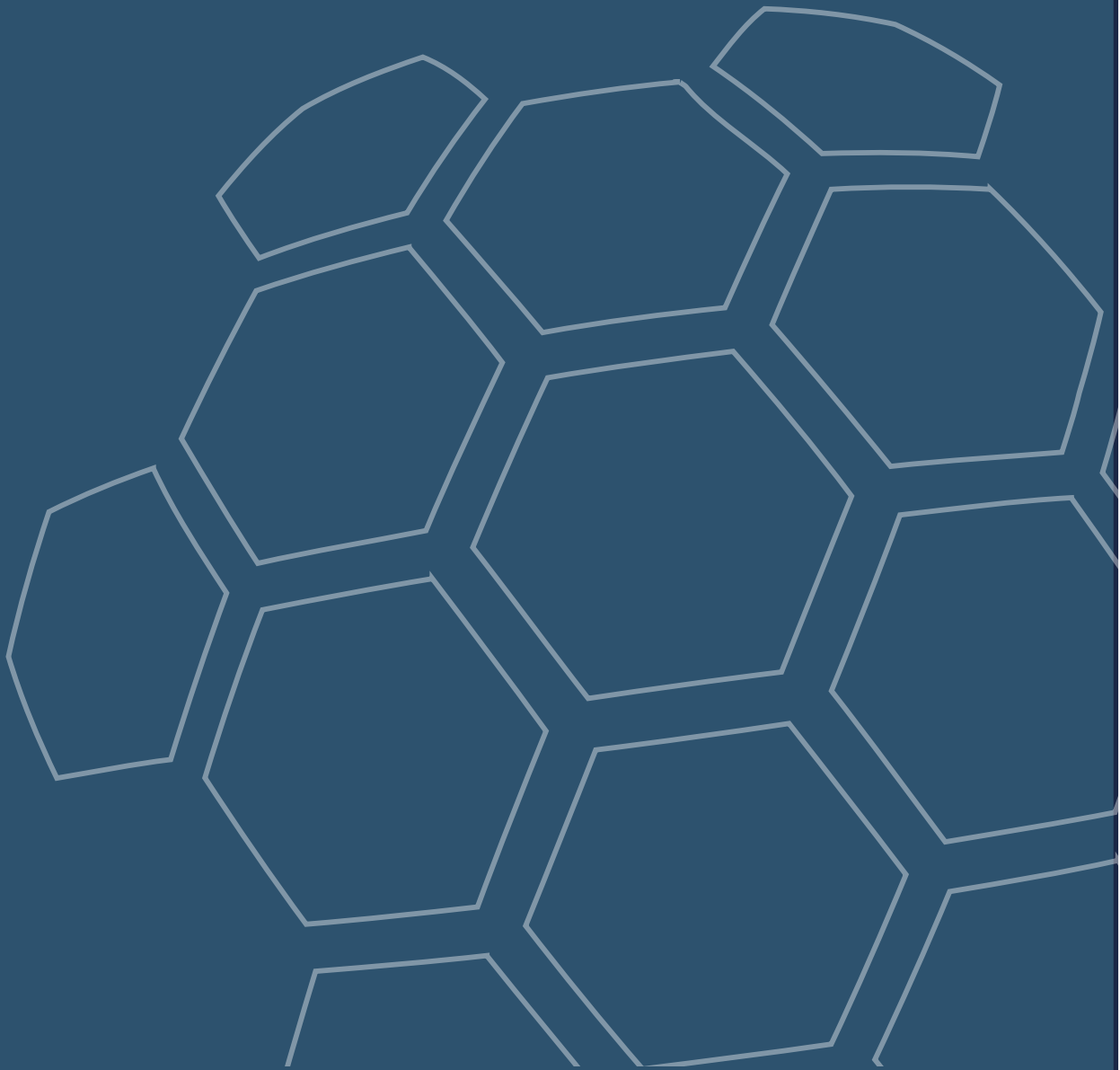
|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  |      |
| Depth to bottom of BH  |      |
| Sample collected (Y/N) |      |
| Sample depth           |      |

|            |            |
|------------|------------|
| Flow rates |            |
| Time (sec) | Flow (l/h) |
| 30         |            |
| 60         |            |
| 90         |            |
| 120        |            |
| 150        |            |
| 180        |            |
| 240        |            |
| 300        |            |

|                        |      |
|------------------------|------|
| Groundwater monitoring | mbgl |
| Depth to top of water  |      |
| Depth to bottom of BH  |      |
| Sample collected (Y/N) |      |
| Sample depth           |      |

# APPENDIX L – GEOTECHNICAL LABORATORY TEST RESULTS

RECEIVED: 16/10/2025





## SOIL AND ROCK SAMPLE ANALYSIS LABORATORY TEST REPORT

25 July 2025

RECEIVED: 16/10/2025

|                |                        |
|----------------|------------------------|
| PROJECT NAME   | Kingston Lands, Galway |
| PROJECT NUMBER | 24-0211                |
| CLIENT         | King Construction      |
| ENGINEER       | TOBIN / MKO            |

We are pleased to attach the results of laboratory testing carried out for the above project. This memo and its attachments constitute a report of the results of tests as detailed in the Contents page(s). This testing was performed between 02/07/2025 and 24/07/2025.

The attached results complete the testing requested and we would therefore wish to confirm that samples will be retained without charge for a period of 28 days from the above date after which they will be appropriately disposed of unless we receive written instructions to the contrary prior to that date.

We trust our report meets with your approval but if you have any queries or require additional information, please do not hesitate to contact the undersigned.

Stephen Watson

Laboratory Manager

Signed for and on behalf of Causeway Geotech Ltd





**PROJECT NAME:** Kingston Lands, Galway

**REPORT REFERENCE:** Schedule 1

The table below details the tests carried out, the specifications used, and the number of tests included in this report. Tests marked with\* in this report are not United Kingdom Accreditation Service (UKAS) accredited and are not included in Causeway Geotech Limited's scope of UKAS Accreditation Schedule of Tests.

The results contained in this report relate to the sample(s) as received. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report shall not be reproduced other than in full, without the prior written approval of the laboratory.

| Material tested | Type of test/Properties measured/Range of measurement              | Standard specifications                                                | No. of results included in the report |
|-----------------|--------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------|
| SOIL            | Water Content of Soil                                              | BS 1377-2: 2022: CI 4 in accordance with ISO 17892-1:2014 + A1:2022    | 18                                    |
| SOIL            | Liquid and Plastic Limits of soil-1 point cone penetrometer method | BS 1377-2: 2022: CI 5.3 in accordance with ISO 17892-12:2018 + A2:2022 | 14                                    |
| SOIL            | Particle size distribution - wet sieving                           | BS 1377-2: 2022: CI 10 in accordance with ISO 17892-4:2016, CI 5.2     | 45                                    |
| SOIL            | Particle size distribution - sedimentation hydrometer method       | BS 1377-2: 2022: CI 10 in accordance with ISO 17892-4:2016, CI 5.3     | 8                                     |

## SUB-CONTRACTED TESTS

In agreement with Client, the following tests were conducted by an approved sub-contractor. All sub-contracting laboratories used are UKAS accredited.

| Material tested                                         | Type of test/Properties measured/Range of measurement | Standard specifications                                                | No. of results included in the report |
|---------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------|
| SOIL – Subcontracted to Normec DETS Limited (UKAS 2139) | pH Value of Soil                                      | Documented In-House Method No DETSC 2008 based on BS 1377: Part 3:1990 | 44                                    |
| SOIL – Subcontracted to Normec DETS Limited (UKAS 2139) | Sulphate Content water extract                        | Documented In-House Method No DETSC 2004 based on BS 1377: Part 3:1990 | 44                                    |
| SOIL – Subcontracted to Normec DETS Limited (UKAS 2139) | Organic Matter Content                                | Documented In-House Method No DETSC 2002 based on BS 1377: Part 3:1990 | 2                                     |



## Summary of Classification Test Results

Project No.

24-0211

Project Name

Kingston Lands, Galway

| Hole No. | Sample |      |      |      | Specimen Description                                    | Density |     | W    | Passing<br>425µm | LL       | PL | PI | Particle<br>density<br>Mg/m3 | Casagrande<br>Classification |
|----------|--------|------|------|------|---------------------------------------------------------|---------|-----|------|------------------|----------|----|----|------------------------------|------------------------------|
|          | Ref    | Top  | Base | Type |                                                         | bulk    | dry |      |                  |          |    |    |                              |                              |
| BH03     | 10     | 2.00 |      | D    | Greyish brown sandy gravelly CLAY.                      |         |     | 8.1  | 77               | 21 -1pt  | 14 | 7  |                              | CL                           |
| BH04     | 2      | 1.00 |      | D    | Dark brownish grey sandy slightly gravelly clayey SILT. |         |     | 15   | 49               | 34 -1pt  | 26 | 8  |                              | ML                           |
| BH07     | 4      | 0.00 |      | B    | Dark brown pseudo-fibrous PEAT.                         |         |     | 376  |                  |          |    |    |                              |                              |
| BH08     | 3      | 0.00 |      | B    | Dark brown slightly sandy gravelly CLAY.                |         |     | 14.9 | 64               | 21 -1pt  | 15 | 6  |                              | ML/CL                        |
| BH09     | 3      | 0.00 |      | B    | Greyish brown sandy gravelly silty CLAY.                |         |     | 13.4 | 56               | 23 -1pt  | 15 | 8  |                              | CL                           |
| BH11     | 2      | 0.20 |      | B    | Greyish brown slightly sandy gravelly CLAY.             |         |     | 10.7 | 52               | 22 -1pt  | 14 | 8  |                              | CL                           |
| BH14     | 4      | 0.30 |      | B    | Brown sandy slightly gravelly clayey SILT.              |         |     | 8.8  | 44               | 95 -1pt  | 81 | 14 |                              | ME                           |
| BH15     | 3      | 1.00 |      | D    | Brownish grey slightly gravelly sandy clayey SILT.      |         |     | 23.7 | 36               | 40 -1pt  | 29 | 11 |                              | MI                           |
| BH16     | 3      | 1.00 |      | D    | Brown sandy slightly gravelly silty CLAY.               |         |     | 6.3  | 39               | 22 -1pt  | 15 | 7  |                              | CL                           |
| BH25A    | 1      | 0.50 |      | B    | Greyish brown sandy gravelly clayey SILT with cobbles.  |         |     | 17   | 37               | 77 -1pt  | 54 | 23 |                              | MV                           |
| SL03     | 1      | 1.15 |      | B    | Greyish brown slightly sandy organic clayey SILT.       |         |     | 35.2 | 51               | 109 -1pt | 81 | 28 |                              | ME                           |
| SL04     | 1      | 1.40 |      | B    | Black amorphous PEAT.                                   |         |     | 400  |                  |          |    |    |                              |                              |

All tests performed in accordance with BS1377-2:2022 unless specified otherwise

LAB 26R - Version 2

### Key

|                             |                         |                       |
|-----------------------------|-------------------------|-----------------------|
| Density test                | Liquid Limit            | Particle density      |
| Linear measurement unless : | 4pt cone unless :       | sp - small pyknometer |
| wd - water displacement     | cas - Casagrande method | gj - gas jar          |
| wi - immersion in water     | 1pt - single point test |                       |

Date Printed

25/07/2025

Approved By

Stephen Watson



10122

## Summary of Classification Test Results

Project No.

24-0211

Project Name

Kingston Lands, Galway

| Hole No. | Sample |      |      |      | Specimen Description                                                                    | Density |     | W    | Passing<br>425µm | LL      | PL | PI | Particle<br>density<br>Mg/m3 | Casagrande<br>Classification |
|----------|--------|------|------|------|-----------------------------------------------------------------------------------------|---------|-----|------|------------------|---------|----|----|------------------------------|------------------------------|
|          | Ref    | Top  | Base | Type |                                                                                         | bulk    | dry |      |                  |         |    |    |                              |                              |
| SL10     | 1      | 1.00 |      | B    | Greyish brown slightly gravelly sandy clayey SILT.                                      |         |     | 10.4 | 25               | 37 -1pt | 28 | 9  |                              | MI                           |
| SL12     | 1      | 1.00 |      | B    | Light yellowish grey slightly sandy silty CLAY.                                         |         |     | 48.1 | 99               | 66 -1pt | 28 | 38 |                              | CH                           |
| TP02     | 5      | 1.00 |      | B    | Light greyish brown slightly gravelly slightly silty fine to coarse SAND.               |         |     | 17.3 | 83               | 27 -1pt | 19 | 8  |                              | CL                           |
| TP03     | 5      | 1.00 |      | B    | Light greyish brown slightly gravelly slightly clayey fine to coarse SAND.              |         |     | 8.9  | 86               | 21 -1pt | 12 | 9  |                              | CL                           |
| TP07     | 12     | 3.00 |      | B    | Greyish black slightly sandy slightly silty angular fine to coarse GRAVEL with cobbles. |         |     | 4    |                  |         |    |    |                              |                              |
| TP11     | 5      | 1.00 |      | D    | Greyish brown slightly gravelly slightly clayey fine to coarse SAND.                    |         |     | 9.1  |                  |         |    |    |                              |                              |
|          |        |      |      |      |                                                                                         |         |     |      |                  |         |    |    |                              |                              |
|          |        |      |      |      |                                                                                         |         |     |      |                  |         |    |    |                              |                              |
|          |        |      |      |      |                                                                                         |         |     |      |                  |         |    |    |                              |                              |
|          |        |      |      |      |                                                                                         |         |     |      |                  |         |    |    |                              |                              |
|          |        |      |      |      |                                                                                         |         |     |      |                  |         |    |    |                              |                              |
|          |        |      |      |      |                                                                                         |         |     |      |                  |         |    |    |                              |                              |
|          |        |      |      |      |                                                                                         |         |     |      |                  |         |    |    |                              |                              |
|          |        |      |      |      |                                                                                         |         |     |      |                  |         |    |    |                              |                              |
|          |        |      |      |      |                                                                                         |         |     |      |                  |         |    |    |                              |                              |

All tests performed in accordance with BS1377-2:2022 unless specified otherwise

LAB 26R - Version 2

### Key

Density test

Liquid Limit

Particle density

Linear measurement unless :

4pt cone unless :

sp - small pyknometer

wd - water displacement

cas - Casagrande method

gj - gas jar

wi - immersion in water

1pt - single point test

Date Printed

25/07/2025

Approved By

Stephen Watson



10122

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH02

Site Name

Kingston Lands, Galway

Sample No.

9

Specimen Description

Greyish brown sandy subangular fine to coarse GRAVEL with cobbles.

Sample  
Depth (m)

Top  
Base

2.80

Specimen Reference

3

Specimen  
Depth

2.8

m

Sample Type

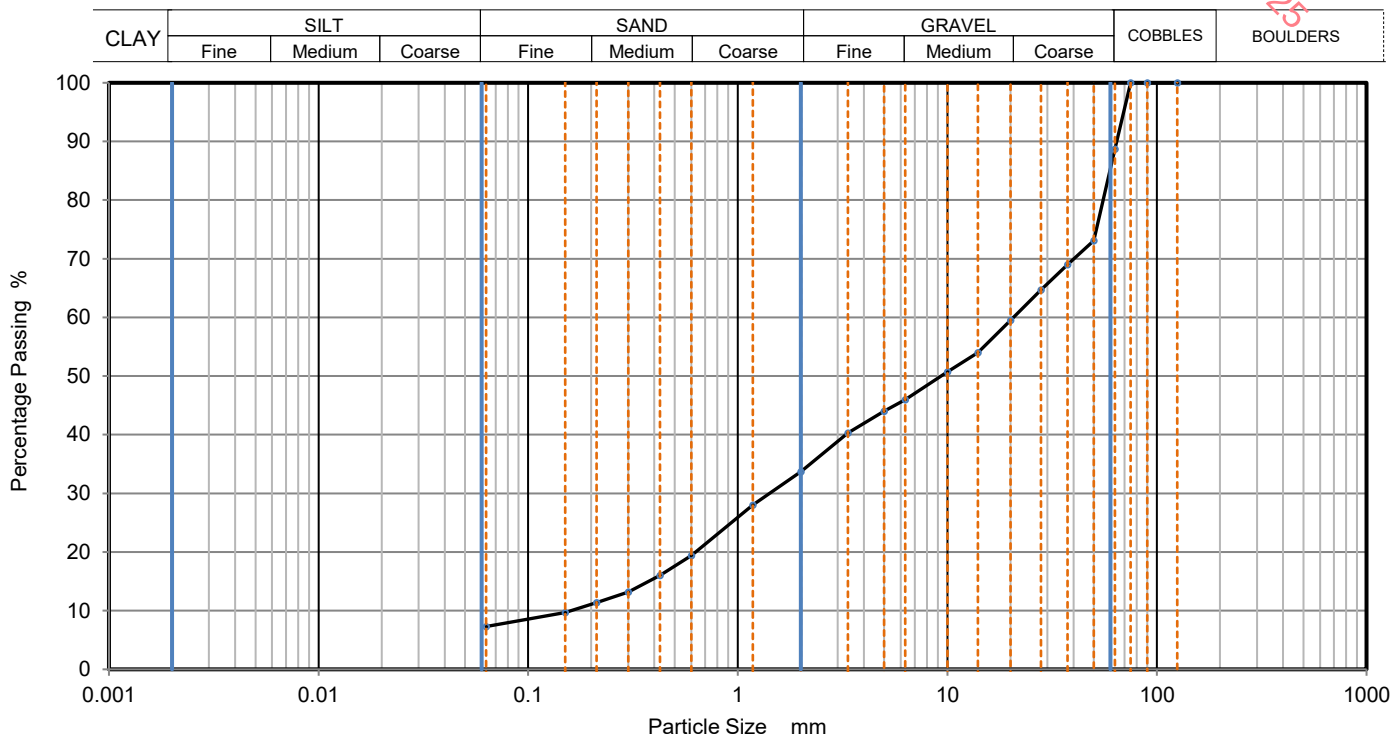
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702194



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 89        |                  |           |
| 50               | 73        |                  |           |
| 37.5             | 69        |                  |           |
| 28               | 65        |                  |           |
| 20               | 60        |                  |           |
| 14               | 54        |                  |           |
| 10               | 51        |                  |           |
| 6.3              | 46        |                  |           |
| 5                | 44        |                  |           |
| 3.35             | 40        |                  |           |
| 2                | 34        |                  |           |
| 1.18             | 28        |                  |           |
| 0.6              | 19        |                  |           |
| 0.425            | 16        |                  |           |
| 0.3              | 13        |                  |           |
| 0.212            | 11        |                  |           |
| 0.15             | 10        |                  |           |
| 0.063            | 7         |                  |           |

Dry Mass of sample, g

3440

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 11.3       |
| Gravel             | 55.0       |
| Sand               | 26.4       |
| Fines <0.063mm     | 7.0        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 130  |
| Curvature Coefficient  | 0.62 |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

LAB 30R - Version 1



## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH03

Site Name

Kingston Lands, Galway

Sample No.

7

Specimen Description

Greyish brown sandy slightly gravelly CLAY.

Sample  
Depth (m)Top  
Base

1.80

Specimen Reference

3

Specimen  
Depth

1.8

m

Sample Type

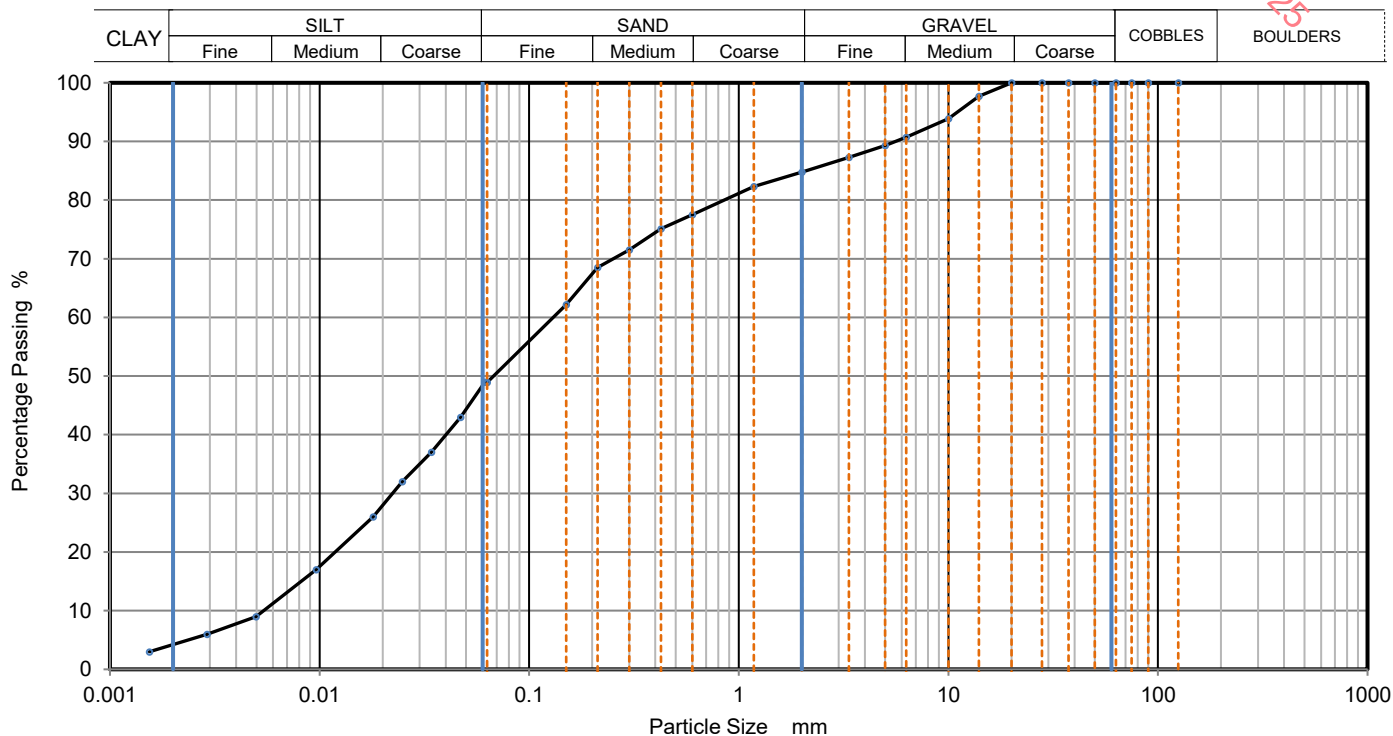
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702200



| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
| 125              | 100       | 0.06144                                  | 49        |
| 90               | 100       | 0.04704                                  | 43        |
| 75               | 100       | 0.03420                                  | 37        |
| 63               | 100       | 0.02482                                  | 32        |
| 50               | 100       | 0.01800                                  | 26        |
| 37.5             | 100       | 0.00963                                  | 17        |
| 28               | 100       | 0.00497                                  | 9         |
| 20               | 100       | 0.00290                                  | 6         |
| 14               | 98        | 0.00154                                  | 3         |
| 10               | 94        |                                          |           |
| 6.3              | 91        |                                          |           |
| 5                | 89        |                                          |           |
| 3.35             | 87        |                                          |           |
| 2                | 85        |                                          |           |
| 1.18             | 82        |                                          |           |
| 0.6              | 78        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 75        |                                          |           |
| 0.3              | 72        |                                          |           |
| 0.212            | 69        |                                          |           |
| 0.15             | 62        |                                          |           |
| 0.063            | 49        |                                          |           |

Dry Mass of sample, g

594

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 15.2       |
| Sand               | 35.9       |
| Silt               | 44.8       |
| Clay               | 4.1        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 24   |
| Curvature Coefficient  | 0.71 |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH04

Site Name

Kingston Lands, Galway

Sample No.

6

Specimen Description

Dark brownish grey slightly gravelly clayey fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

1.20

Specimen Reference

3

Specimen  
Depth

1.2

m

Sample Type

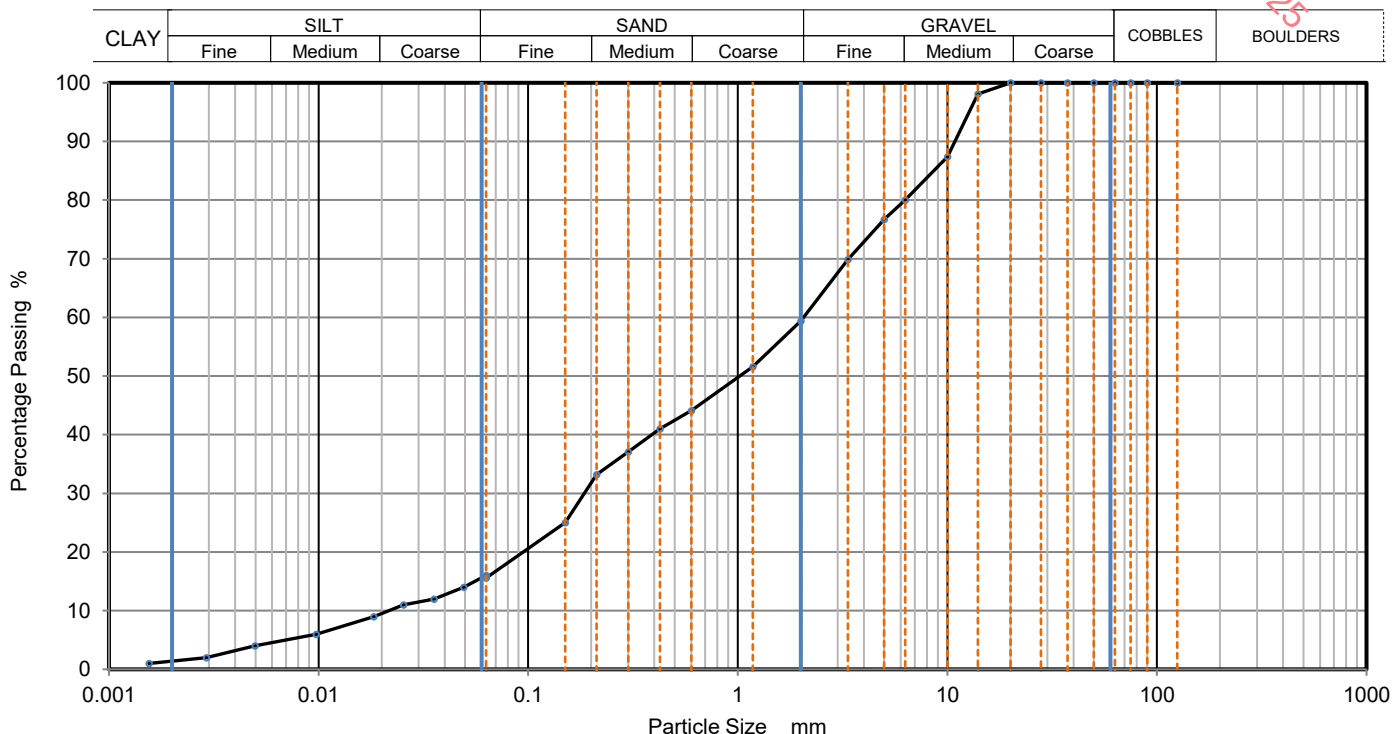
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702207



| Sieving          |           | Sedimentation              |           |
|------------------|-----------|----------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm           | % Passing |
| 125              | 100       | 0.06300                    | 16        |
| 90               | 100       | 0.04933                    | 14        |
| 75               | 100       | 0.03555                    | 12        |
| 63               | 100       | 0.02545                    | 11        |
| 50               | 100       | 0.01832                    | 9         |
| 37.5             | 100       | 0.00973                    | 6         |
| 28               | 100       | 0.00497                    | 4         |
| 20               | 100       | 0.00292                    | 2         |
| 14               | 98        | 0.00155                    | 1         |
| 10               | 87        |                            |           |
| 6.3              | 80        |                            |           |
| 5                | 77        |                            |           |
| 3.35             | 70        |                            |           |
| 2                | 59        |                            |           |
| 1.18             | 52        |                            |           |
| 0.6              | 44        |                            |           |
| 0.425            | 41        | Particle density (assumed) |           |
| 0.3              | 37        | 2.65                       | Mg/m3     |
| 0.212            | 33        |                            |           |
| 0.15             | 25        |                            |           |
| 0.063            | 16        |                            |           |

Dry Mass of sample, g

218

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 40.6       |
| Sand               | 43.8       |
| Silt               | 14.5       |
| Clay               | 1.1        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 100  |
| Curvature Coefficient  | 0.81 |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

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## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH06

Site Name

Kingston Lands, Galway

Sample No.

4

Specimen Description

Dark brownish grey COBBLES with some snady gravel.

Sample  
Depth (m)Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

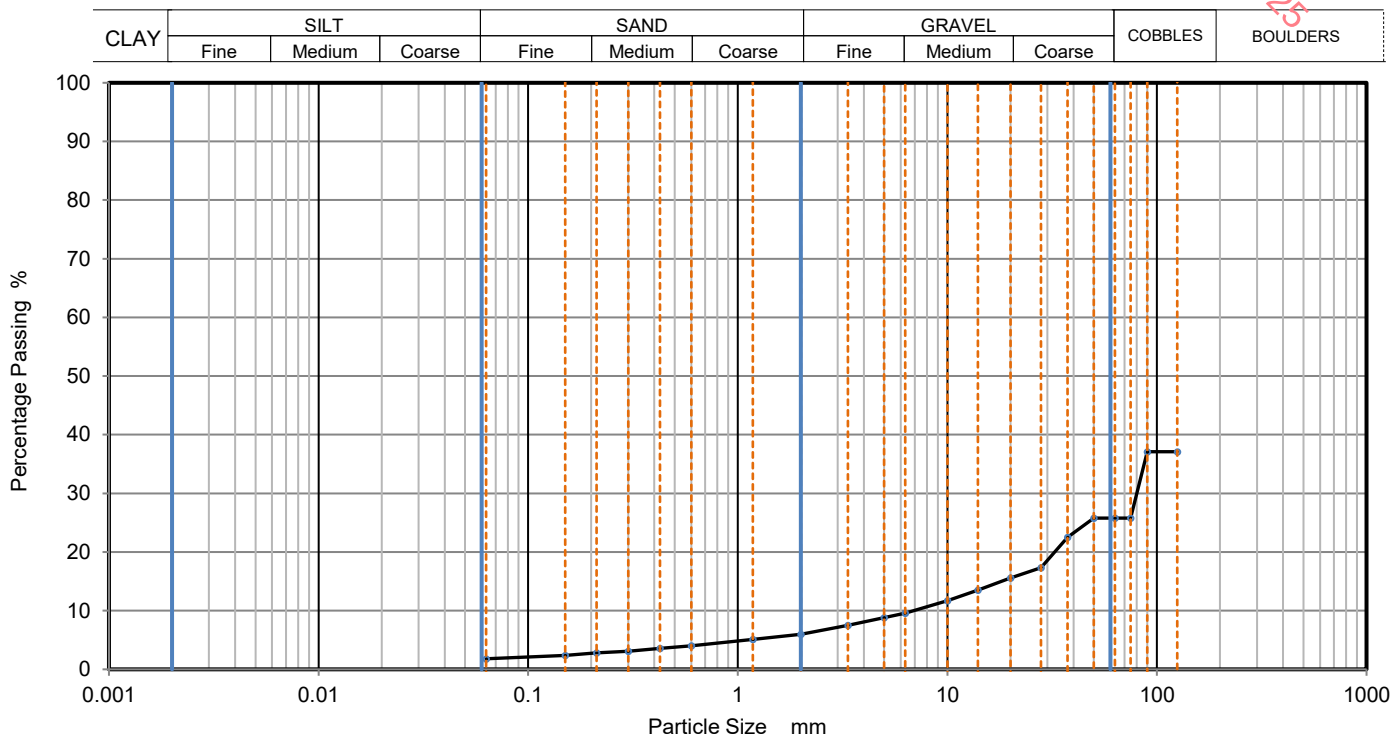
D

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702213



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 37        |                  |           |
| 90               | 37        |                  |           |
| 75               | 26        |                  |           |
| 63               | 26        |                  |           |
| 50               | 26        |                  |           |
| 37.5             | 23        |                  |           |
| 28               | 17        |                  |           |
| 20               | 16        |                  |           |
| 14               | 14        |                  |           |
| 10               | 12        |                  |           |
| 6.3              | 10        |                  |           |
| 5                | 9         |                  |           |
| 3.35             | 8         |                  |           |
| 2                | 6         |                  |           |
| 1.18             | 5         |                  |           |
| 0.6              | 4         |                  |           |
| 0.425            | 4         |                  |           |
| 0.3              | 3         |                  |           |
| 0.212            | 3         |                  |           |
| 0.15             | 2         |                  |           |
| 0.063            | 2         |                  |           |

Dry Mass of sample, g

7937

**Sample Proportions**

% dry mass

|                |      |
|----------------|------|
| Cobbles        | 74.2 |
| Gravel         | 19.8 |
| Sand           | 4.2  |
| Fines <0.063mm | 2.0  |

**Grading Analysis**

|                        |    |      |
|------------------------|----|------|
| D100                   | mm |      |
| D60                    | mm |      |
| D30                    | mm | 80.3 |
| D10                    | mm | 6.9  |
| Uniformity Coefficient |    |      |
| Curvature Coefficient  |    |      |

**Remarks**

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

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## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH07

Site Name

Kingston Lands, Galway

Sample No.

6

Specimen Description

Greyish brown slightly sandy subangular fine to coarse GRAVEL.

Sample  
Depth (m)Top  
Base

2.00

Specimen Reference

3

Specimen  
Depth

2

m

Sample Type

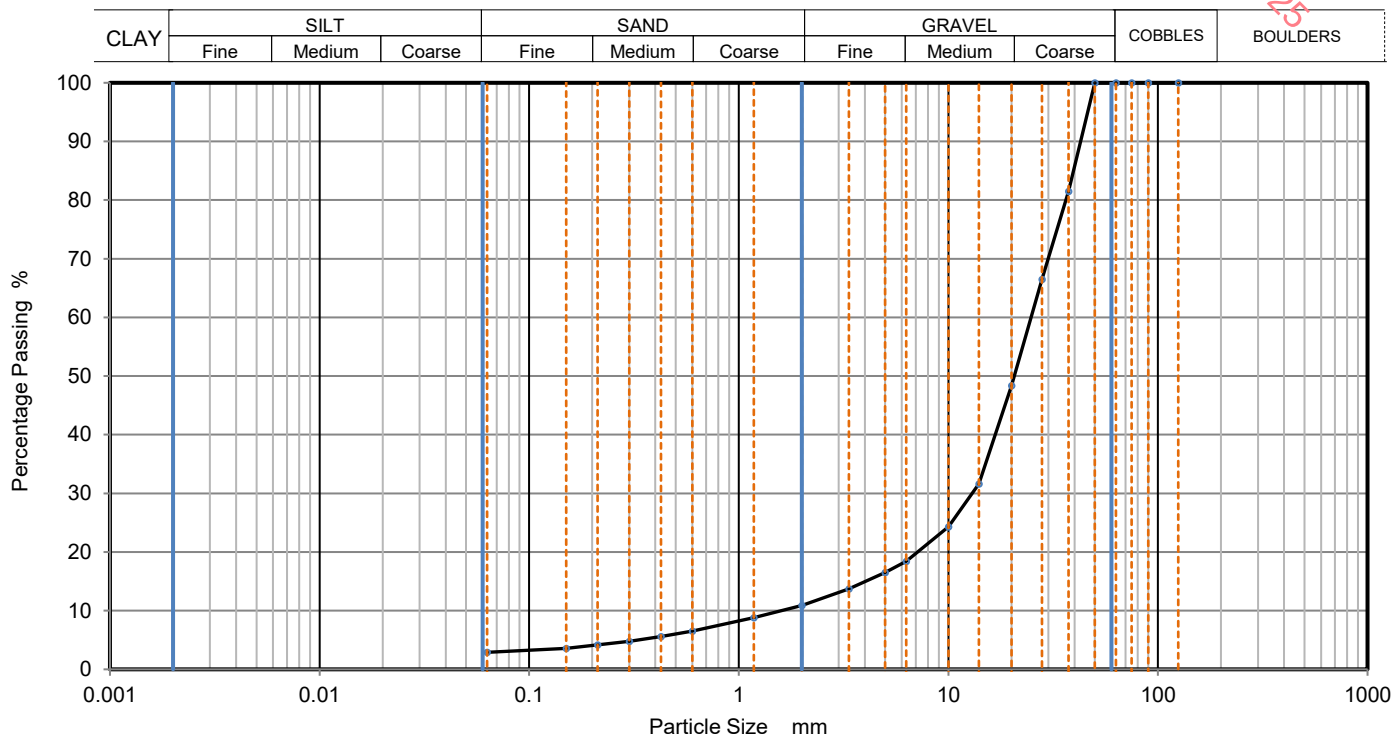
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702217



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 82        |                  |           |
| 28               | 67        |                  |           |
| 20               | 48        |                  |           |
| 14               | 32        |                  |           |
| 10               | 24        |                  |           |
| 6.3              | 18        |                  |           |
| 5                | 17        |                  |           |
| 3.35             | 14        |                  |           |
| 2                | 11        |                  |           |
| 1.18             | 9         |                  |           |
| 0.6              | 7         |                  |           |
| 0.425            | 6         |                  |           |
| 0.3              | 5         |                  |           |
| 0.212            | 4         |                  |           |
| 0.15             | 4         |                  |           |
| 0.063            | 3         |                  |           |

Dry Mass of sample, g

3648

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 89.1       |
| Sand               | 8.0        |
| Fines <0.063mm     | 3.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 16  |
| Curvature Coefficient  | 4.3 |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH09

Site Name

Kingston Lands, Galway

Sample No.

3

Specimen Description

Greyish brown sandy gravelly silty CLAY.

Sample  
Depth (m)

Top  
Base

0.00

Specimen Reference

7

Specimen  
Depth

0

m

Sample Type

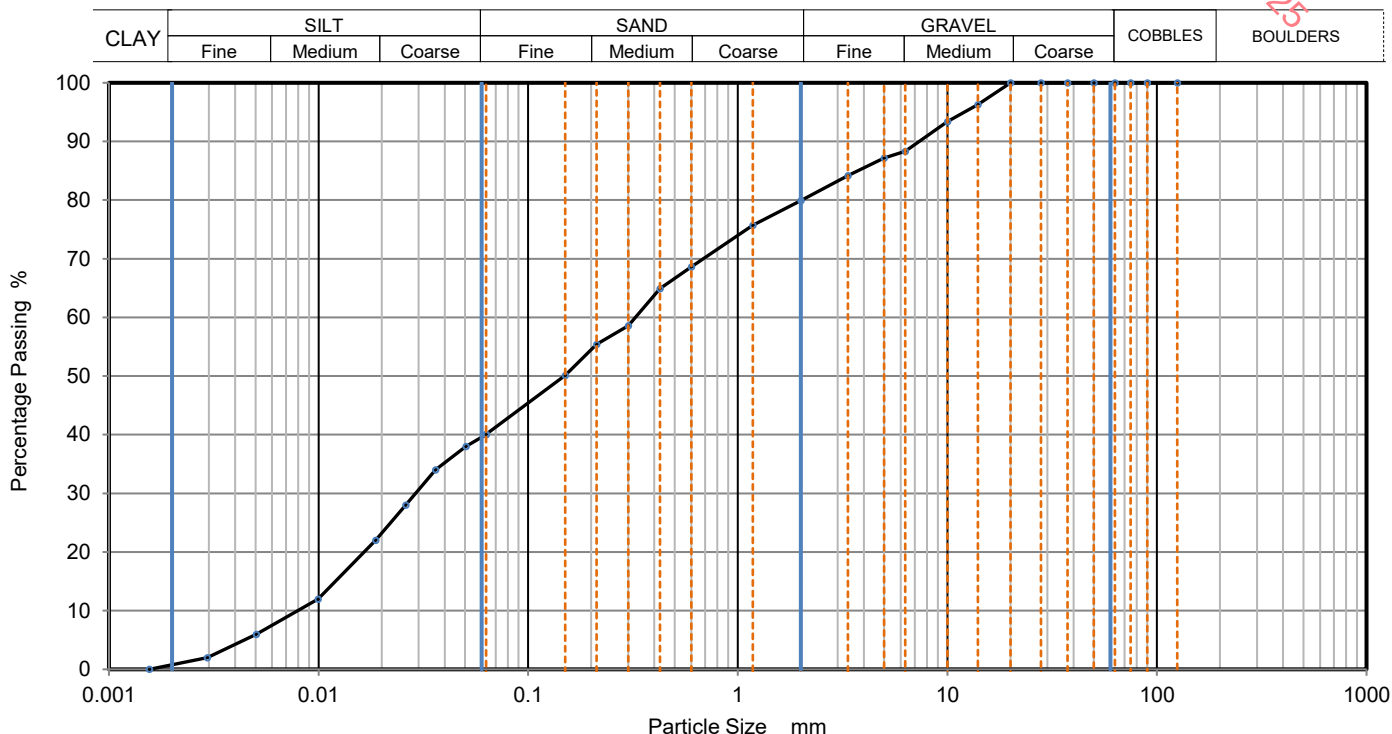
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702221



| Sieving          |           | Sedimentation              |           |
|------------------|-----------|----------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm           | % Passing |
| 125              | 100       | 0.06300                    | 40        |
| 90               | 100       | 0.05059                    | 38        |
| 75               | 100       | 0.03621                    | 34        |
| 63               | 100       | 0.02606                    | 28        |
| 50               | 100       | 0.01874                    | 22        |
| 37.5             | 100       | 0.00995                    | 12        |
| 28               | 100       | 0.00505                    | 6         |
| 20               | 100       | 0.00295                    | 2         |
| 14               | 96        | 0.00156                    | 0         |
| 10               | 93        |                            |           |
| 6.3              | 88        |                            |           |
| 5                | 87        |                            |           |
| 3.35             | 84        |                            |           |
| 2                | 80        |                            |           |
| 1.18             | 76        |                            |           |
| 0.6              | 69        |                            |           |
| 0.425            | 65        | Particle density (assumed) |           |
| 0.3              | 59        | 2.65 Mg/m3                 |           |
| 0.212            | 55        |                            |           |
| 0.15             | 50        |                            |           |
| 0.063            | 40        |                            |           |

Dry Mass of sample, g

230

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 20.1       |
| Sand               | 39.9       |
| Silt               | 39.2       |
| Clay               | 0.8        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 41   |
| Curvature Coefficient  | 0.33 |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

LAB 30R - Version 1



## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH10

Site Name

Kingston Lands, Galway

Sample No.

4

Specimen Description

Brown slightly gravelly clayey fine to coarse SAND.

Sample  
Depth (m)Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

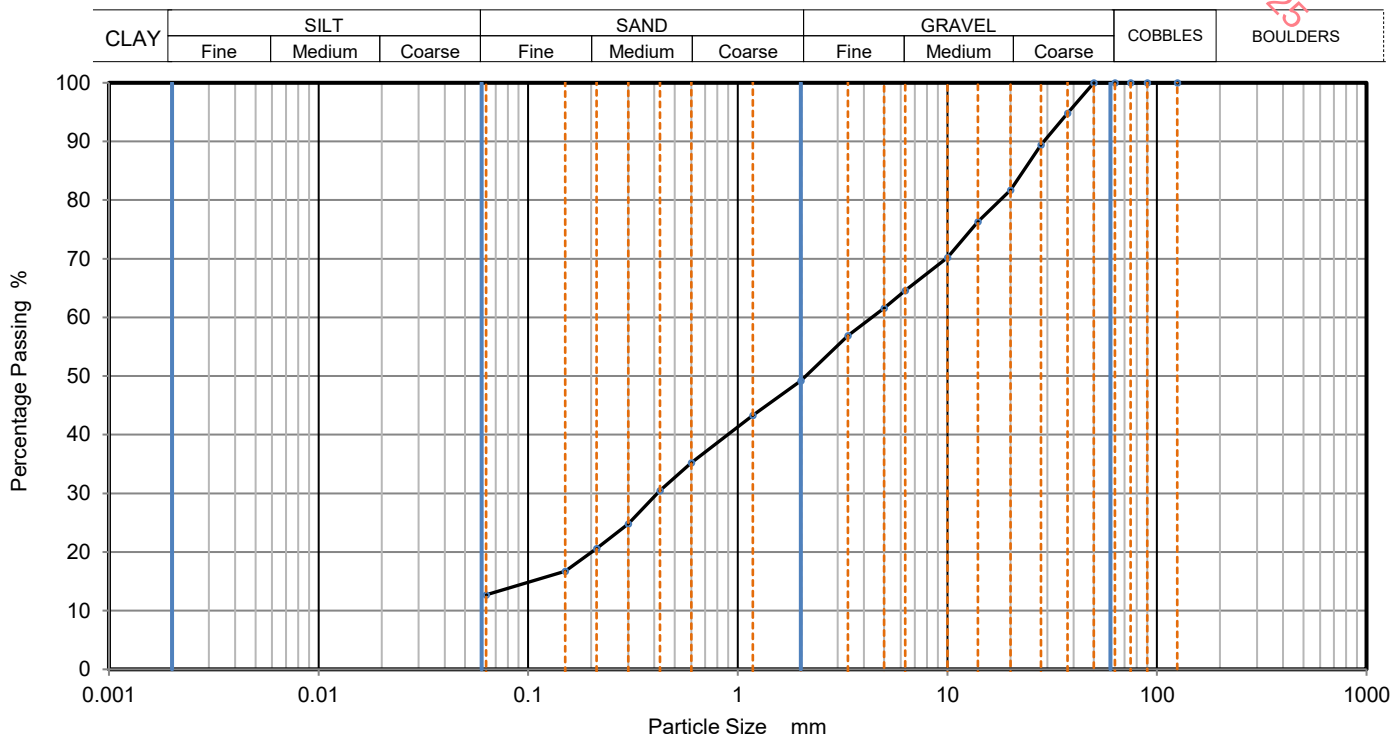
D

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702226



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 95        |                  |           |
| 28               | 89        |                  |           |
| 20               | 82        |                  |           |
| 14               | 76        |                  |           |
| 10               | 70        |                  |           |
| 6.3              | 65        |                  |           |
| 5                | 62        |                  |           |
| 3.35             | 57        |                  |           |
| 2                | 49        |                  |           |
| 1.18             | 43        |                  |           |
| 0.6              | 35        |                  |           |
| 0.425            | 31        |                  |           |
| 0.3              | 25        |                  |           |
| 0.212            | 21        |                  |           |
| 0.15             | 17        |                  |           |
| 0.063            | 13        |                  |           |

Dry Mass of sample, g

3322

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 50.8       |
| Sand               | 36.5       |
| Fines <0.063mm     | 13.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

Approved

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LAB 30R - Version 1



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## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH11

Site Name

Kingston Lands, Galway

Sample No.

4

Specimen Description

Grey slightly sandy angular fine to coarse GRAVEL.

Sample  
Depth (m)Top  
Base

1.20

Specimen Reference

3

Specimen  
Depth

1.2

m

Sample Type

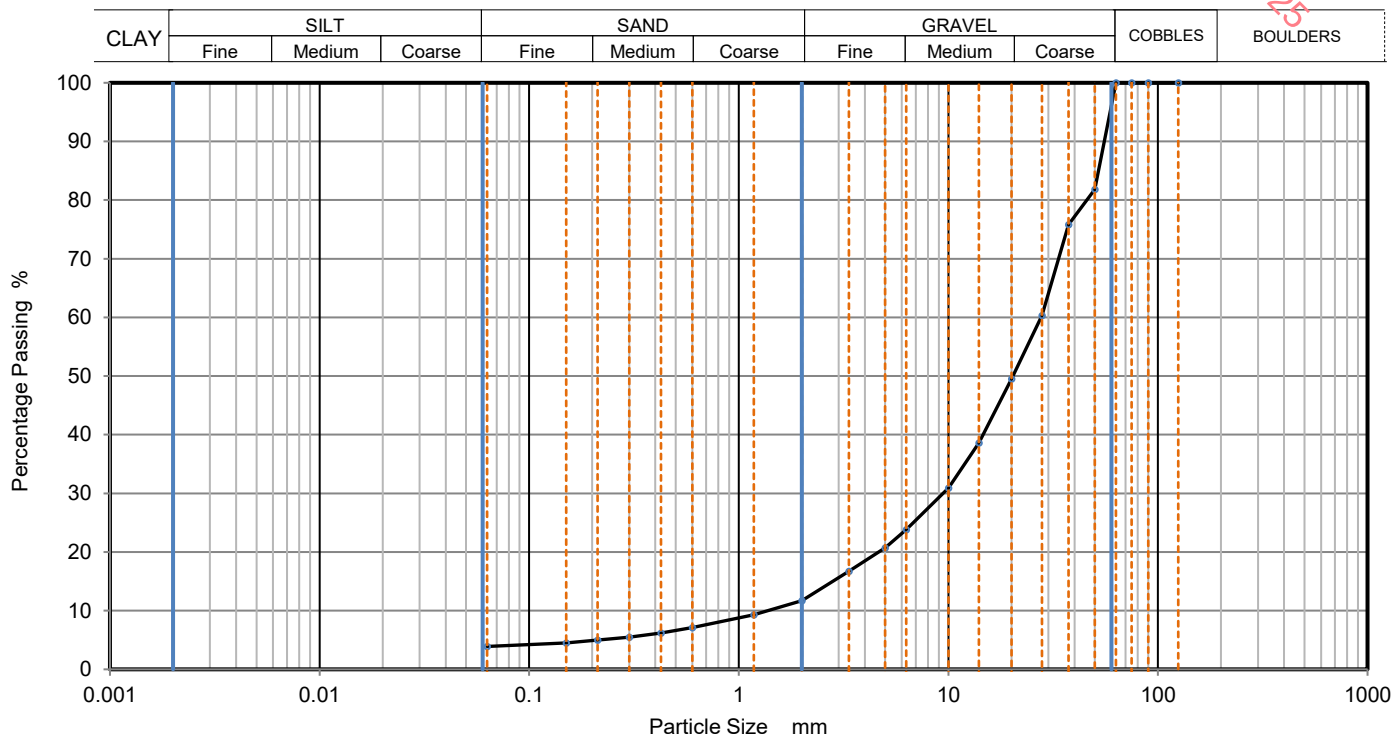
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702231



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 82        |                  |           |
| 37.5             | 76        |                  |           |
| 28               | 60        |                  |           |
| 20               | 50        |                  |           |
| 14               | 39        |                  |           |
| 10               | 31        |                  |           |
| 6.3              | 24        |                  |           |
| 5                | 21        |                  |           |
| 3.35             | 17        |                  |           |
| 2                | 12        |                  |           |
| 1.18             | 9         |                  |           |
| 0.6              | 7         |                  |           |
| 0.425            | 6         |                  |           |
| 0.3              | 6         |                  |           |
| 0.212            | 5         |                  |           |
| 0.15             | 5         |                  |           |
| 0.063            | 4         |                  |           |

Dry Mass of sample, g

4151

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 88.3       |
| Sand               | 7.8        |
| Fines <0.063mm     | 4.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 20  |
| Curvature Coefficient  | 2.3 |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

Approved

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LAB 30R - Version 1



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## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH13

Site Name

Kingston Lands, Galway

Sample No.

1

Specimen Description

Brownish grey slightly sandy angular fine to coarse GRAVEL with cobbles.

Sample  
Depth (m)Top  
Base

0.00

Specimen Reference

3

Specimen  
Depth

0

m

Sample Type

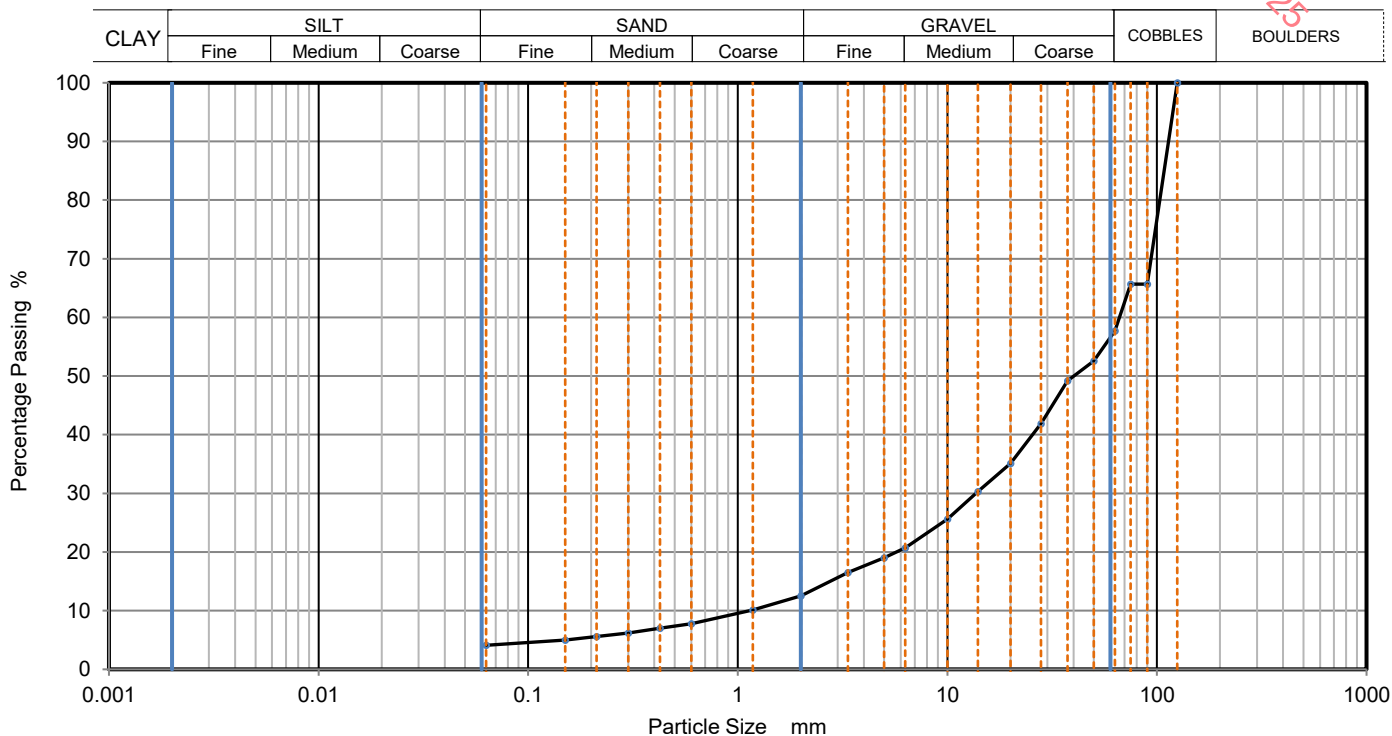
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702233



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 66        |                  |           |
| 75               | 66        |                  |           |
| 63               | 58        |                  |           |
| 50               | 53        |                  |           |
| 37.5             | 49        |                  |           |
| 28               | 42        |                  |           |
| 20               | 35        |                  |           |
| 14               | 30        |                  |           |
| 10               | 26        |                  |           |
| 6.3              | 21        |                  |           |
| 5                | 19        |                  |           |
| 3.35             | 17        |                  |           |
| 2                | 13        |                  |           |
| 1.18             | 10        |                  |           |
| 0.6              | 8         |                  |           |
| 0.425            | 7         |                  |           |
| 0.3              | 6         |                  |           |
| 0.212            | 6         |                  |           |
| 0.15             | 5         |                  |           |
| 0.063            | 4         |                  |           |

Dry Mass of sample, g

4311

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 42.3       |
| Gravel             | 45.2       |
| Sand               | 8.4        |
| Fines <0.063mm     | 4.0        |

| Grading Analysis       |         |
|------------------------|---------|
| D100                   | mm 125  |
| D60                    | mm 66.2 |
| D30                    | mm 13.7 |
| D10                    | mm 1.14 |
| Uniformity Coefficient | 58      |
| Curvature Coefficient  | 2.5     |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

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LAB 30R - Version 1



10122



## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH16

Site Name

Kingston Lands, Galway

Sample No.

2

Specimen Description

Grey slightly sandy subangular fine to coarse GRAVEL with cobbles.

Sample  
Depth (m)Top  
Base

0.20

Specimen Reference

3

Specimen  
Depth

0.2

m

Sample Type

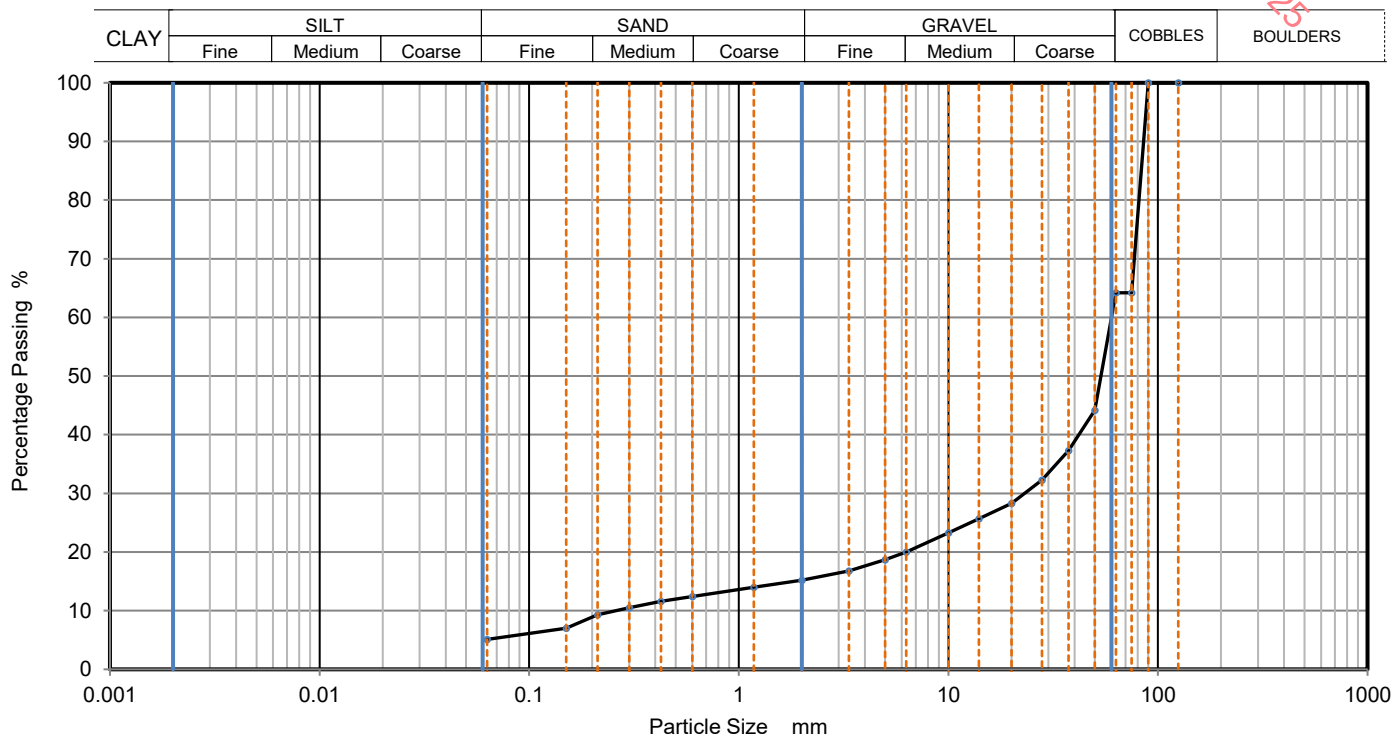
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702240



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 64        |                  |           |
| 63               | 64        |                  |           |
| 50               | 44        |                  |           |
| 37.5             | 37        |                  |           |
| 28               | 32        |                  |           |
| 20               | 28        |                  |           |
| 14               | 26        |                  |           |
| 10               | 23        |                  |           |
| 6.3              | 20        |                  |           |
| 5                | 19        |                  |           |
| 3.35             | 17        |                  |           |
| 2                | 15        |                  |           |
| 1.18             | 14        |                  |           |
| 0.6              | 12        |                  |           |
| 0.425            | 12        |                  |           |
| 0.3              | 11        |                  |           |
| 0.212            | 9         |                  |           |
| 0.15             | 7         |                  |           |
| 0.063            | 5         |                  |           |

Dry Mass of sample, g

8984

**Sample Proportions**

% dry mass

|                |      |
|----------------|------|
| Cobbles        | 35.8 |
| Gravel         | 49.0 |
| Sand           | 10.2 |
| Fines <0.063mm | 5.0  |

**Grading Analysis**

|                        |    |       |
|------------------------|----|-------|
| D100                   | mm |       |
| D60                    | mm | 60    |
| D30                    | mm | 23.1  |
| D10                    | mm | 0.259 |
| Uniformity Coefficient |    | 230   |
| Curvature Coefficient  |    | 34    |

**Remarks**

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

LAB 30R - Version 1



10122

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH18

Site Name

Kingston Lands, Galway

Sample No.

4

Specimen Description

Light brown sandy subangular fine to coarse GRAVEL.

Sample  
Depth (m)

Top  
Base

1.65

Specimen Reference

3

Specimen  
Depth

1.65

m

Sample Type

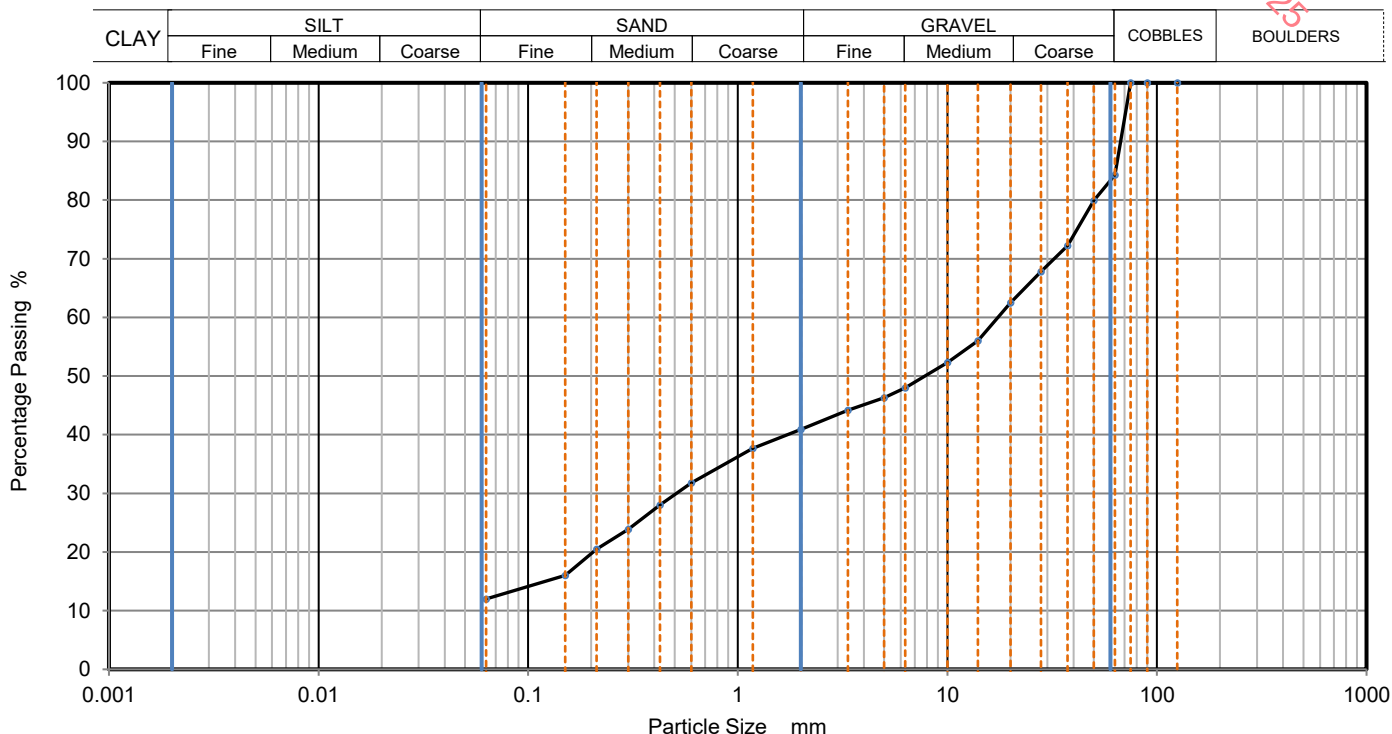
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702247



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 84        |                  |           |
| 50               | 80        |                  |           |
| 37.5             | 72        |                  |           |
| 28               | 68        |                  |           |
| 20               | 63        |                  |           |
| 14               | 56        |                  |           |
| 10               | 52        |                  |           |
| 6.3              | 48        |                  |           |
| 5                | 46        |                  |           |
| 3.35             | 44        |                  |           |
| 2                | 41        |                  |           |
| 1.18             | 38        |                  |           |
| 0.6              | 32        |                  |           |
| 0.425            | 28        |                  |           |
| 0.3              | 24        |                  |           |
| 0.212            | 21        |                  |           |
| 0.15             | 16        |                  |           |
| 0.063            | 12        |                  |           |

Dry Mass of sample, g

4531

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 15.7       |
| Gravel             | 43.5       |
| Sand               | 28.9       |
| Fines <0.063mm     | 12.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH23

Site Name

Kingston Lands, Galway

Sample No.

4

Specimen Description

Brown slightly gravelly slightly clayey fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

0.50

Specimen Reference

3

Specimen  
Depth

0.5

m

Sample Type

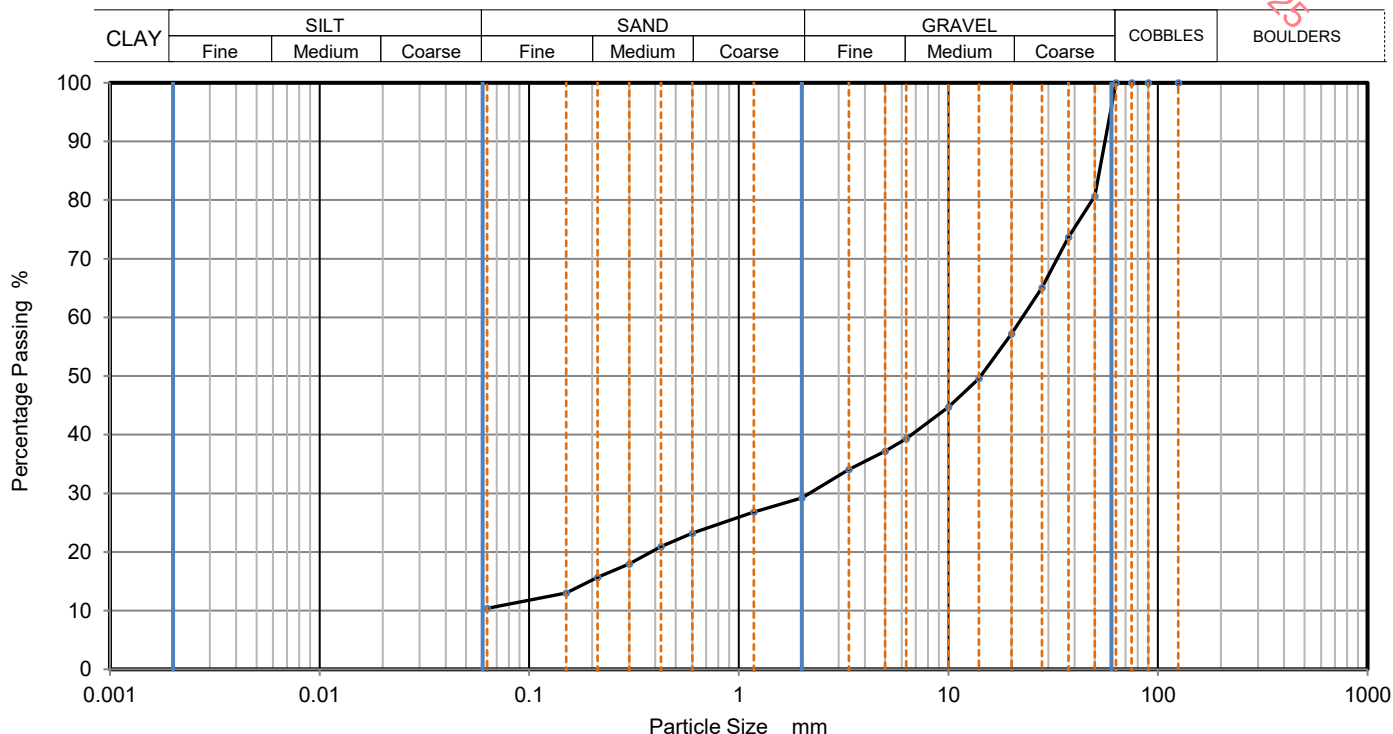
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702256



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 81        |                  |           |
| 37.5             | 74        |                  |           |
| 28               | 65        |                  |           |
| 20               | 57        |                  |           |
| 14               | 50        |                  |           |
| 10               | 45        |                  |           |
| 6.3              | 39        |                  |           |
| 5                | 37        |                  |           |
| 3.35             | 34        |                  |           |
| 2                | 29        |                  |           |
| 1.18             | 27        |                  |           |
| 0.6              | 23        |                  |           |
| 0.425            | 21        |                  |           |
| 0.3              | 18        |                  |           |
| 0.212            | 16        |                  |           |
| 0.15             | 13        |                  |           |
| 0.063            | 10        |                  |           |

Dry Mass of sample, g

2965

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 70.8       |
| Sand               | 18.8       |
| Fines <0.063mm     | 10.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH23

Site Name

Kingston Lands, Galway

Sample No.

6

Specimen Description

Brownish grey slightly sandy angular fine to coarse GRAVEL.

Sample  
Depth (m)

Top  
Base

1.65

Specimen Reference

3

Specimen  
Depth

1.65

m

Sample Type

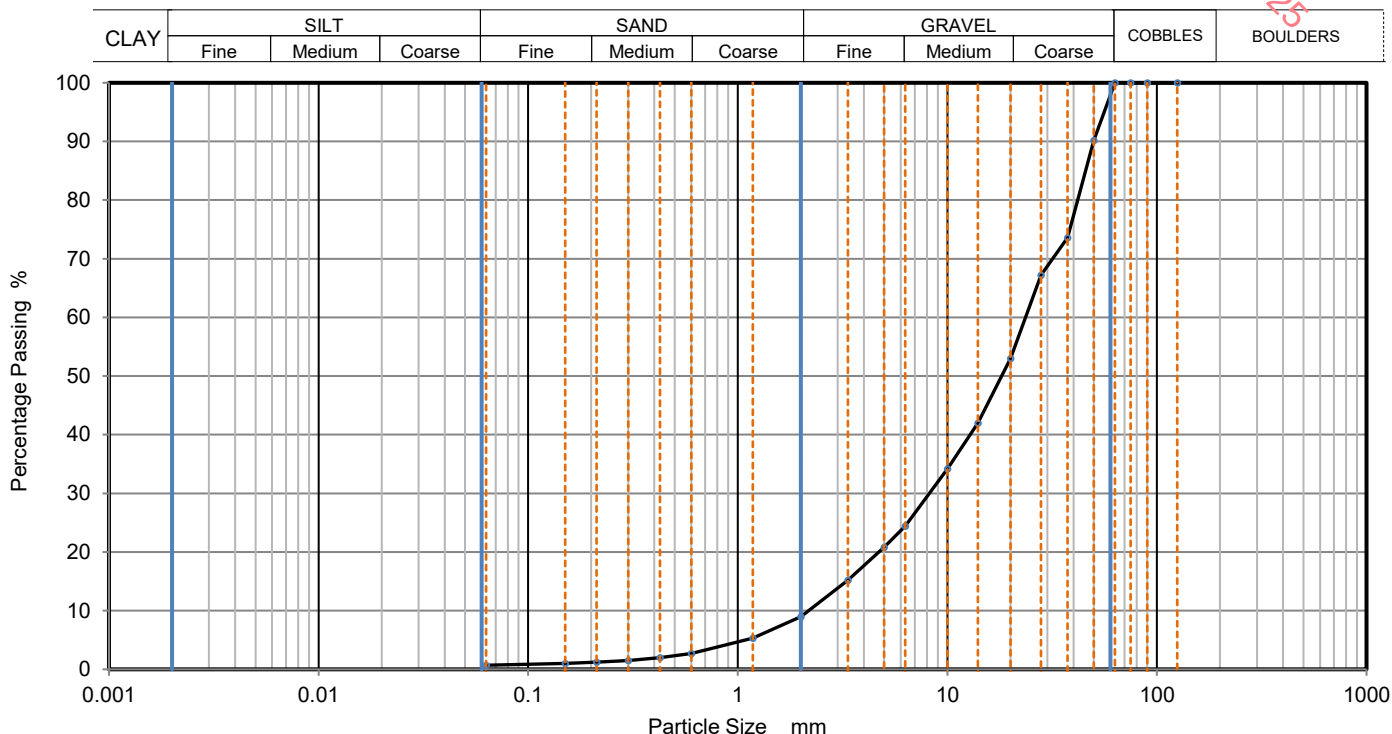
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702258



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 90        |                  |           |
| 37.5             | 74        |                  |           |
| 28               | 67        |                  |           |
| 20               | 53        |                  |           |
| 14               | 42        |                  |           |
| 10               | 34        |                  |           |
| 6.3              | 24        |                  |           |
| 5                | 21        |                  |           |
| 3.35             | 15        |                  |           |
| 2                | 9         |                  |           |
| 1.18             | 5         |                  |           |
| 0.6              | 3         |                  |           |
| 0.425            | 2         |                  |           |
| 0.3              | 2         |                  |           |
| 0.212            | 1         |                  |           |
| 0.15             | 1         |                  |           |
| 0.063            | 1         |                  |           |

Dry Mass of sample, g

4224

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 91.0       |
| Sand               | 8.3        |
| Fines <0.063mm     | 1.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 11  |
| Curvature Coefficient  | 1.3 |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

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## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH25A

Site Name

Kingston Lands, Galway

Sample No.

1

Specimen Description

Greyish brown sandy gravelly clayey SILT with cobbles.

Sample  
Depth (m)Top  
Base

0.50

Specimen Reference

7

Specimen  
Depth

0.5

m

Sample Type

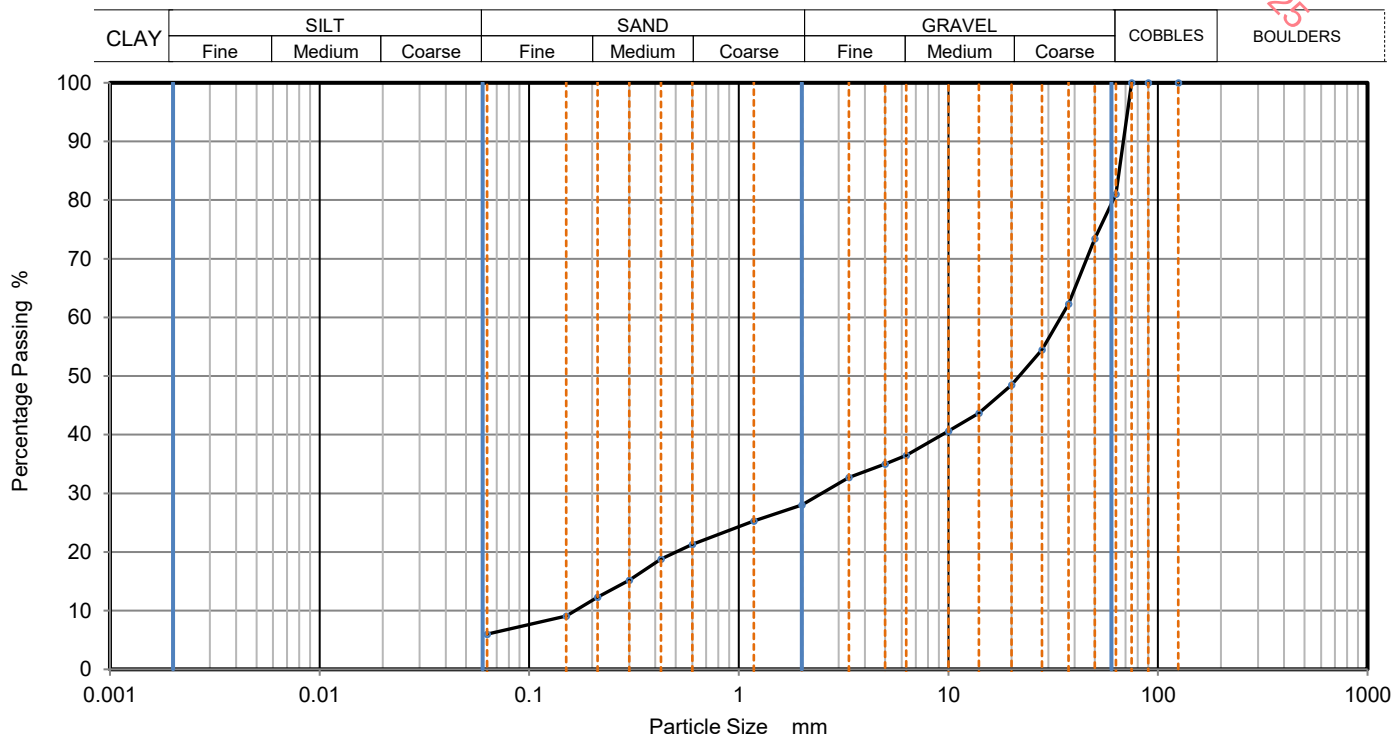
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702265



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 81        |                  |           |
| 50               | 73        |                  |           |
| 37.5             | 62        |                  |           |
| 28               | 55        |                  |           |
| 20               | 49        |                  |           |
| 14               | 44        |                  |           |
| 10               | 41        |                  |           |
| 6.3              | 37        |                  |           |
| 5                | 35        |                  |           |
| 3.35             | 33        |                  |           |
| 2                | 28        |                  |           |
| 1.18             | 25        |                  |           |
| 0.6              | 21        |                  |           |
| 0.425            | 19        |                  |           |
| 0.3              | 15        |                  |           |
| 0.212            | 12        |                  |           |
| 0.15             | 9         |                  |           |
| 0.063            | 6         |                  |           |

Dry Mass of sample, g

3289

**Sample Proportions**

% dry mass

|                |      |
|----------------|------|
| Cobbles        | 19.0 |
| Gravel         | 53.0 |
| Sand           | 22.0 |
| Fines <0.063mm | 6.0  |

**Grading Analysis**

|                        |    |       |
|------------------------|----|-------|
| D100                   | mm |       |
| D60                    | mm | 34.4  |
| D30                    | mm | 2.48  |
| D10                    | mm | 0.166 |
| Uniformity Coefficient |    | 210   |
| Curvature Coefficient  |    | 1.1   |

**Remarks**

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

Approved

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10122

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH25A

Site Name

Kingston Lands, Galway

Sample No.

2

Specimen Description

Yellowish brown sandy gravelly silty CLAY.

Sample  
Depth (m)

Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

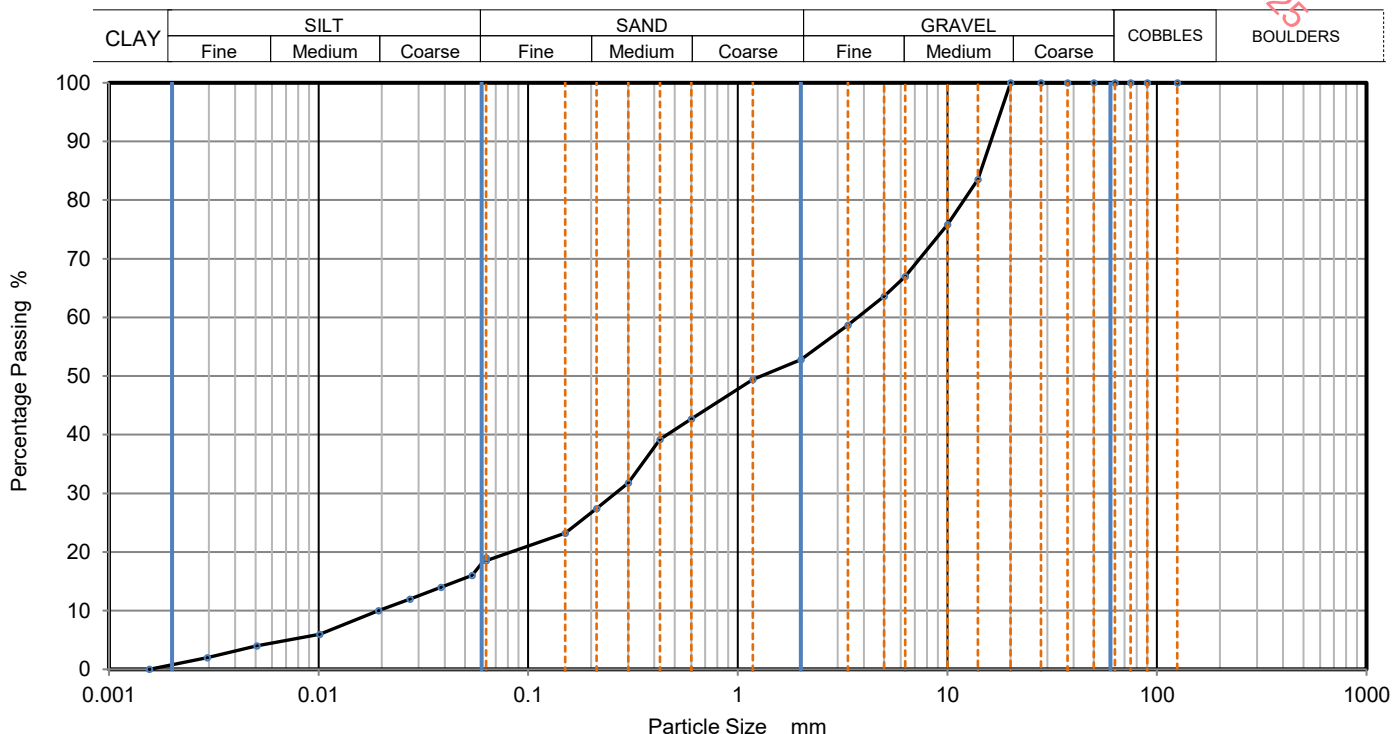
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702266



| Sieving          |           | Sedimentation              |           |
|------------------|-----------|----------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm           | % Passing |
| 125              | 100       | 0.06300                    | 19        |
| 90               | 100       | 0.05390                    | 16        |
| 75               | 100       | 0.03832                    | 14        |
| 63               | 100       | 0.02724                    | 12        |
| 50               | 100       | 0.01936                    | 10        |
| 37.5             | 100       | 0.01010                    | 6         |
| 28               | 100       | 0.00508                    | 4         |
| 20               | 100       | 0.00295                    | 2         |
| 14               | 84        | 0.00156                    | 0         |
| 10               | 76        |                            |           |
| 6.3              | 67        |                            |           |
| 5                | 64        |                            |           |
| 3.35             | 59        |                            |           |
| 2                | 53        |                            |           |
| 1.18             | 49        |                            |           |
| 0.6              | 43        |                            |           |
| 0.425            | 39        | Particle density (assumed) |           |
| 0.3              | 32        | 2.65                       | Mg/m3     |
| 0.212            | 27        |                            |           |
| 0.15             | 23        |                            |           |
| 0.063            | 19        |                            |           |

Dry Mass of sample, g

348

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 47.2       |
| Sand               | 34.3       |
| Silt               | 17.7       |
| Clay               | 0.8        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 200  |
| Curvature Coefficient  | 0.98 |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

BH26

Site Name

Kingston Lands, Galway

Sample No.

6

Specimen Description

Brown slightly sandy subangular fine to coarse GRAVEL.

Sample  
Depth (m)

Top  
Base

1.20

Specimen Reference

3

Specimen  
Depth

1.2

m

Sample Type

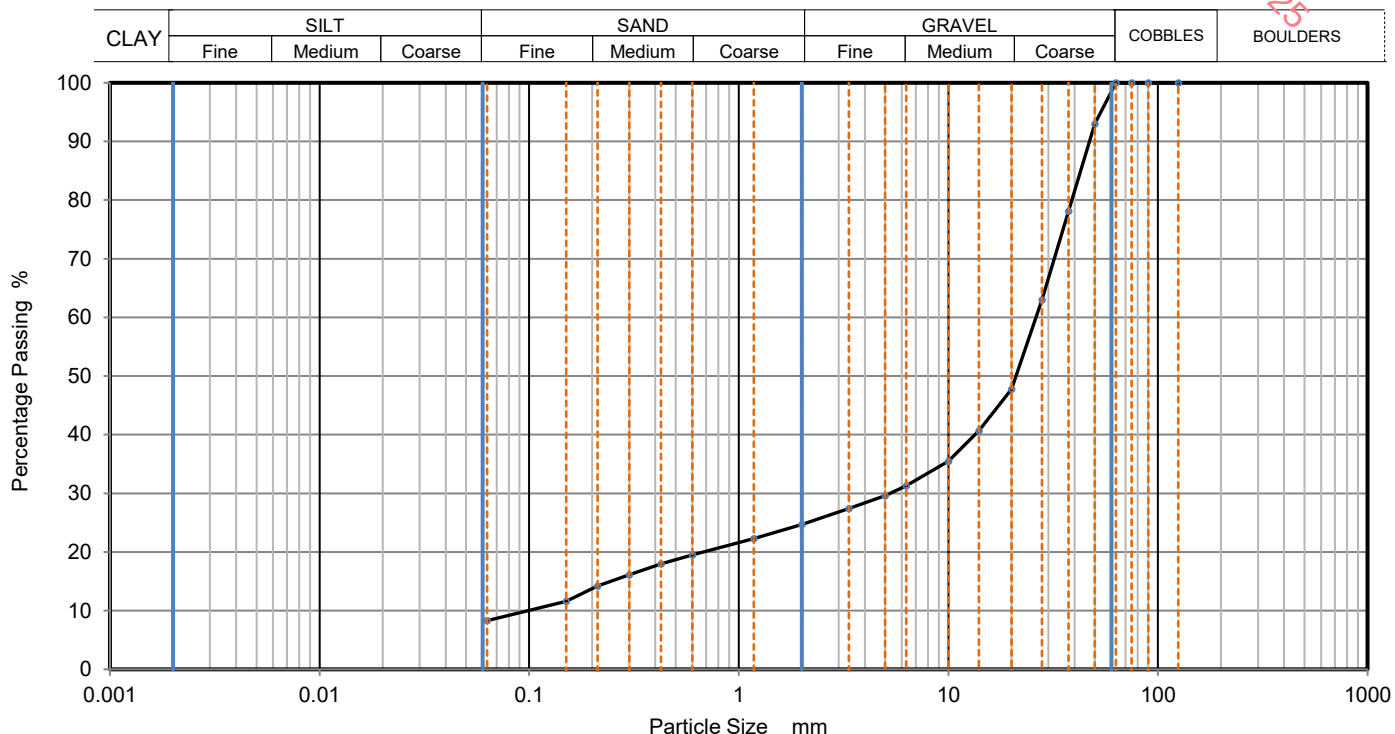
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702271



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 93        |                  |           |
| 37.5             | 78        |                  |           |
| 28               | 63        |                  |           |
| 20               | 48        |                  |           |
| 14               | 41        |                  |           |
| 10               | 36        |                  |           |
| 6.3              | 31        |                  |           |
| 5                | 30        |                  |           |
| 3.35             | 27        |                  |           |
| 2                | 25        |                  |           |
| 1.18             | 22        |                  |           |
| 0.6              | 20        |                  |           |
| 0.425            | 18        |                  |           |
| 0.3              | 16        |                  |           |
| 0.212            | 14        |                  |           |
| 0.15             | 12        |                  |           |
| 0.063            | 8         |                  |           |

Dry Mass of sample, g

4231

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 75.3       |
| Sand               | 16.4       |
| Fines <0.063mm     | 8.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 260 |
| Curvature Coefficient  | 11  |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

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## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

SL01

Site Name

Kingston Lands, Galway

Sample No.

1

Specimen Description

Dark greyish brown sandy slightly gravell silty CLAY.

Sample  
Depth (m)Top  
Base

0.85

Specimen Reference

3

Specimen  
Depth

0.85

m

Sample Type

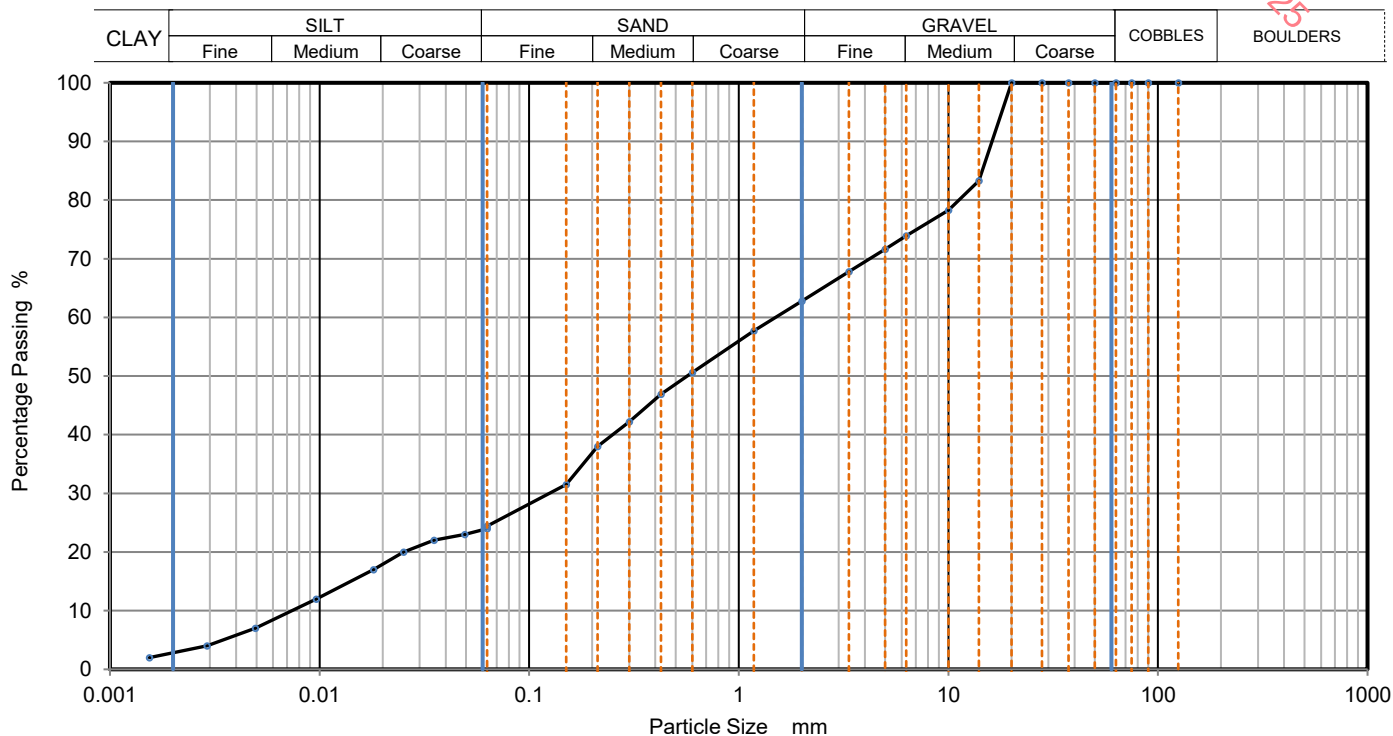
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702273



| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
| 125              | 100       | 0.06300                                  | 24        |
| 90               | 100       | 0.04933                                  | 23        |
| 75               | 100       | 0.03510                                  | 22        |
| 63               | 100       | 0.02514                                  | 20        |
| 50               | 100       | 0.01810                                  | 17        |
| 37.5             | 100       | 0.00963                                  | 12        |
| 28               | 100       | 0.00495                                  | 7         |
| 20               | 100       | 0.00290                                  | 4         |
| 14               | 83        | 0.00154                                  | 2         |
| 10               | 78        |                                          |           |
| 6.3              | 74        |                                          |           |
| 5                | 72        |                                          |           |
| 3.35             | 68        |                                          |           |
| 2                | 63        |                                          |           |
| 1.18             | 58        |                                          |           |
| 0.6              | 51        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 47        |                                          |           |
| 0.3              | 42        |                                          |           |
| 0.212            | 38        |                                          |           |
| 0.15             | 32        |                                          |           |
| 0.063            | 24        |                                          |           |

Dry Mass of sample, g

395

### Sample Proportions

% dry mass

|         |      |
|---------|------|
| Cobbles | 0.0  |
| Gravel  | 37.2 |
| Sand    | 38.4 |
| Silt    | 21.5 |
| Clay    | 2.9  |

### Grading Analysis

|                        |    |         |
|------------------------|----|---------|
| D100                   | mm |         |
| D60                    | mm | 1.5     |
| D30                    | mm | 0.125   |
| D10                    | mm | 0.00722 |
| Uniformity Coefficient |    | 210     |
| Curvature Coefficient  |    | 1.4     |

### Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

Approved

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LAB 30R - Version 1



10122

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

SL02

Site Name

Kingston Lands, Galway

Sample No.

1

Specimen Description

Dark greyish brown slightly silty gravelly fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

1.20

Specimen Reference

3

Specimen  
Depth

1.2

m

Sample Type

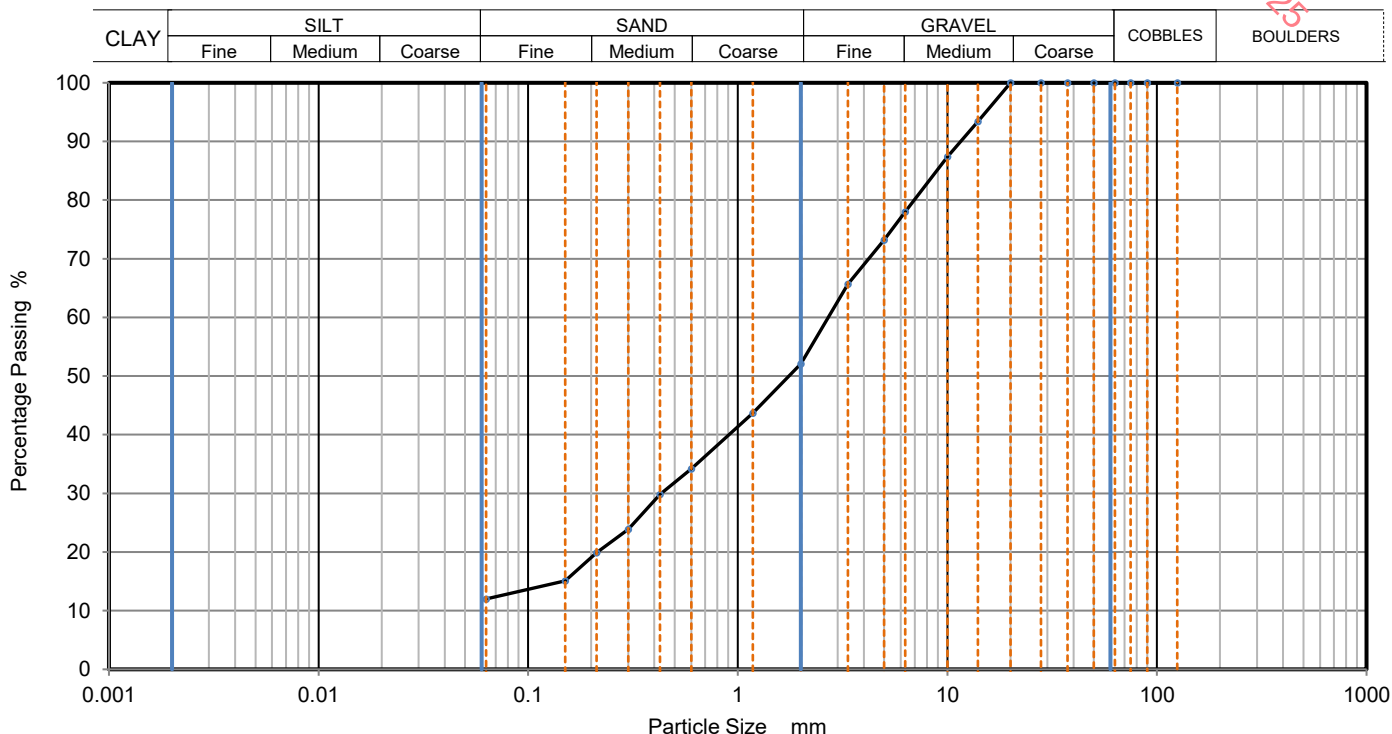
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702274



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 93        |                  |           |
| 10               | 87        |                  |           |
| 6.3              | 78        |                  |           |
| 5                | 73        |                  |           |
| 3.35             | 66        |                  |           |
| 2                | 52        |                  |           |
| 1.18             | 44        |                  |           |
| 0.6              | 34        |                  |           |
| 0.425            | 30        |                  |           |
| 0.3              | 24        |                  |           |
| 0.212            | 20        |                  |           |
| 0.15             | 15        |                  |           |
| 0.063            | 12        |                  |           |

Dry Mass of sample, g

496

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 47.9       |
| Sand               | 40.0       |
| Fines <0.063mm     | 12.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

SL05

Site Name

Kingston Lands, Galway

Sample No.

1

Specimen Description

Dark brown slightly gravelly clayey fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

1.40

Specimen Reference

3

Specimen  
Depth

1.4

m Sample Type

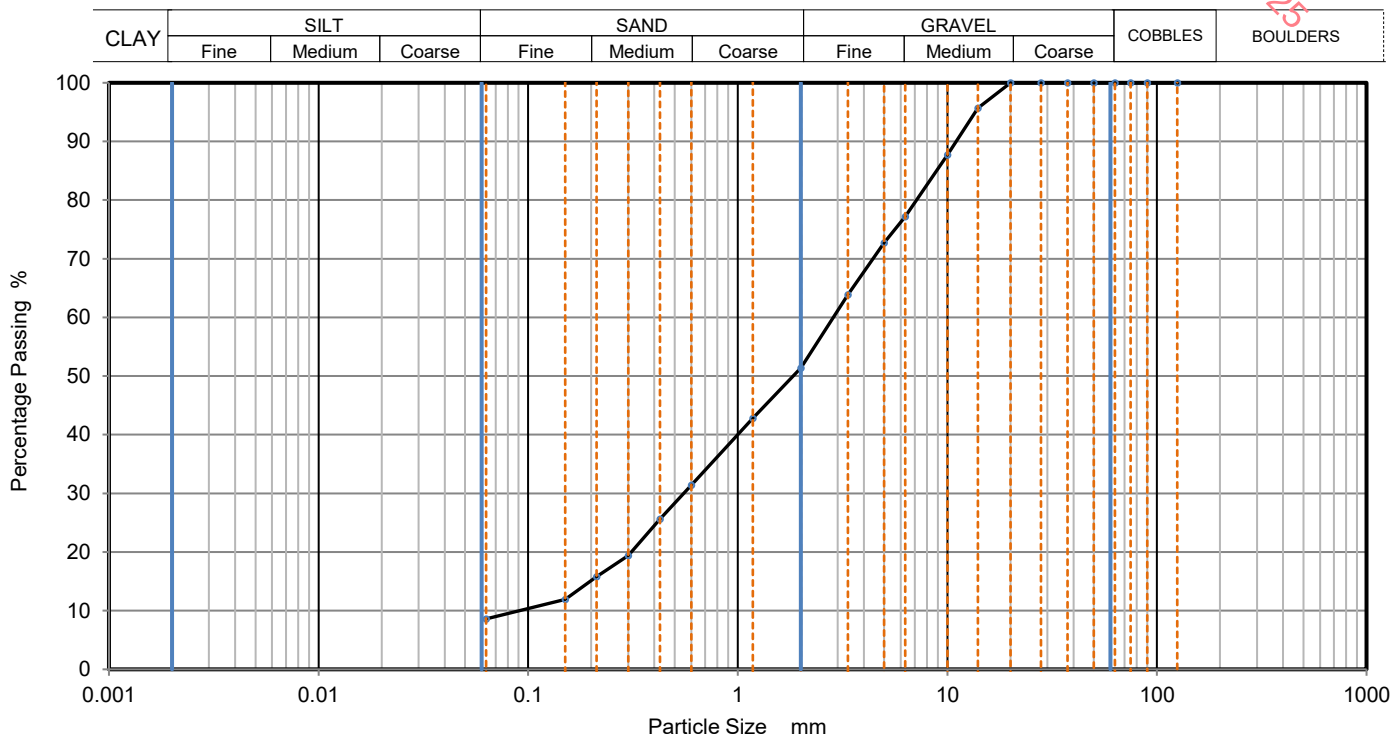
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702277



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 96        |                  |           |
| 10               | 88        |                  |           |
| 6.3              | 77        |                  |           |
| 5                | 73        |                  |           |
| 3.35             | 64        |                  |           |
| 2                | 51        |                  |           |
| 1.18             | 43        |                  |           |
| 0.6              | 31        |                  |           |
| 0.425            | 26        |                  |           |
| 0.3              | 19        |                  |           |
| 0.212            | 16        |                  |           |
| 0.15             | 12        |                  |           |
| 0.063            | 9         |                  |           |

Dry Mass of sample, g

354

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 48.6       |
| Sand               | 42.8       |
| Fines <0.063mm     | 9.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 31  |
| Curvature Coefficient  | 1.2 |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

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## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

SL07

Site Name

Kingston Lands, Galway

Sample No.

1

Specimen Description

Greyish brown slightly gravelly slightly silty fine to coarse SAND with cobbles.

Sample  
Depth (m)Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

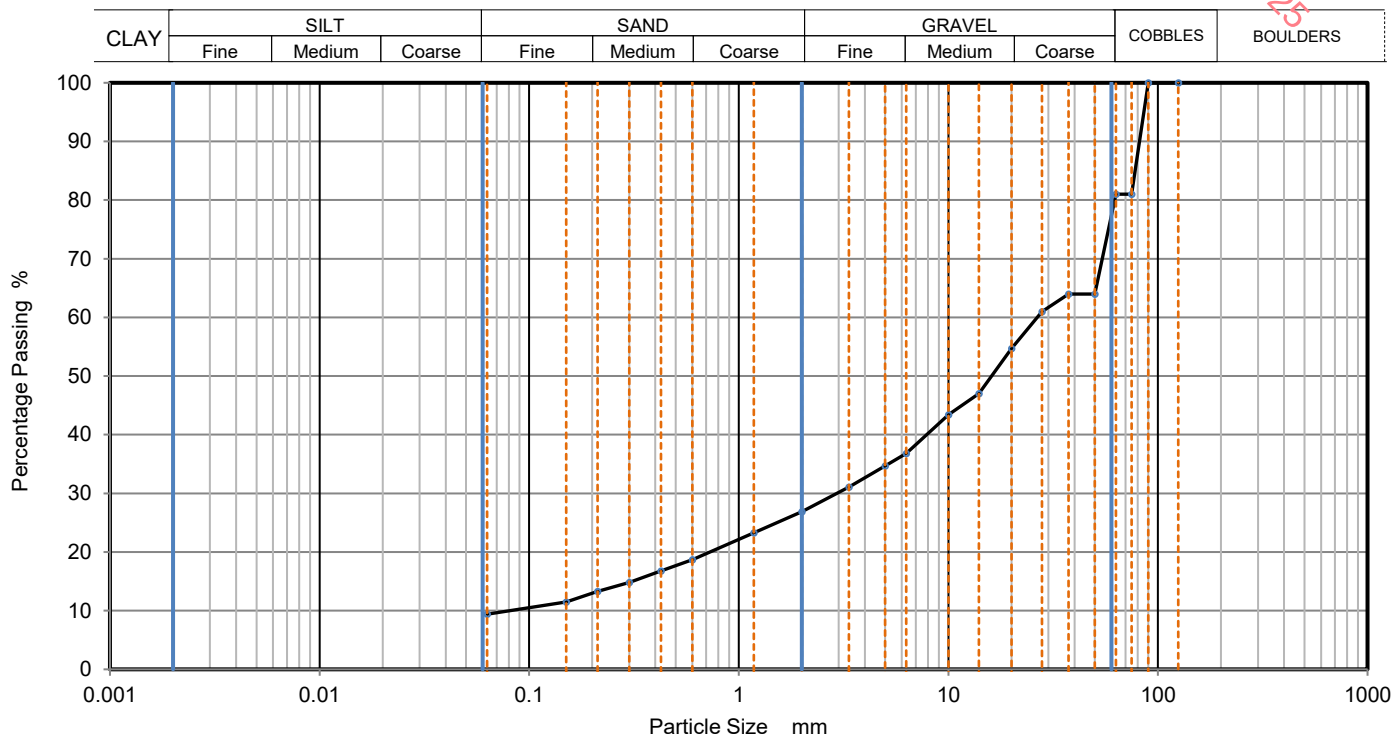
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702280



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 81        |                  |           |
| 63               | 81        |                  |           |
| 50               | 64        |                  |           |
| 37.5             | 64        |                  |           |
| 28               | 61        |                  |           |
| 20               | 55        |                  |           |
| 14               | 47        |                  |           |
| 10               | 43        |                  |           |
| 6.3              | 37        |                  |           |
| 5                | 35        |                  |           |
| 3.35             | 31        |                  |           |
| 2                | 27        |                  |           |
| 1.18             | 23        |                  |           |
| 0.6              | 19        |                  |           |
| 0.425            | 17        |                  |           |
| 0.3              | 15        |                  |           |
| 0.212            | 13        |                  |           |
| 0.15             | 12        |                  |           |
| 0.063            | 9         |                  |           |

Dry Mass of sample, g

3454

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 19.0       |
| Gravel             | 54.1       |
| Sand               | 17.5       |
| Fines <0.063mm     | 9.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 330 |
| Curvature Coefficient  | 4   |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

LAB 30R - Version 1



10122



## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

SL08

Site Name

Kingston Lands, Galway

Sample No.

2

Specimen Description

Greyish brown slightly gravelly slightly silty fine to coarse SAND with cobbles.

Sample  
Depth (m)Top  
Base

2.00

Specimen Reference

3

Specimen  
Depth

2

m

Sample Type

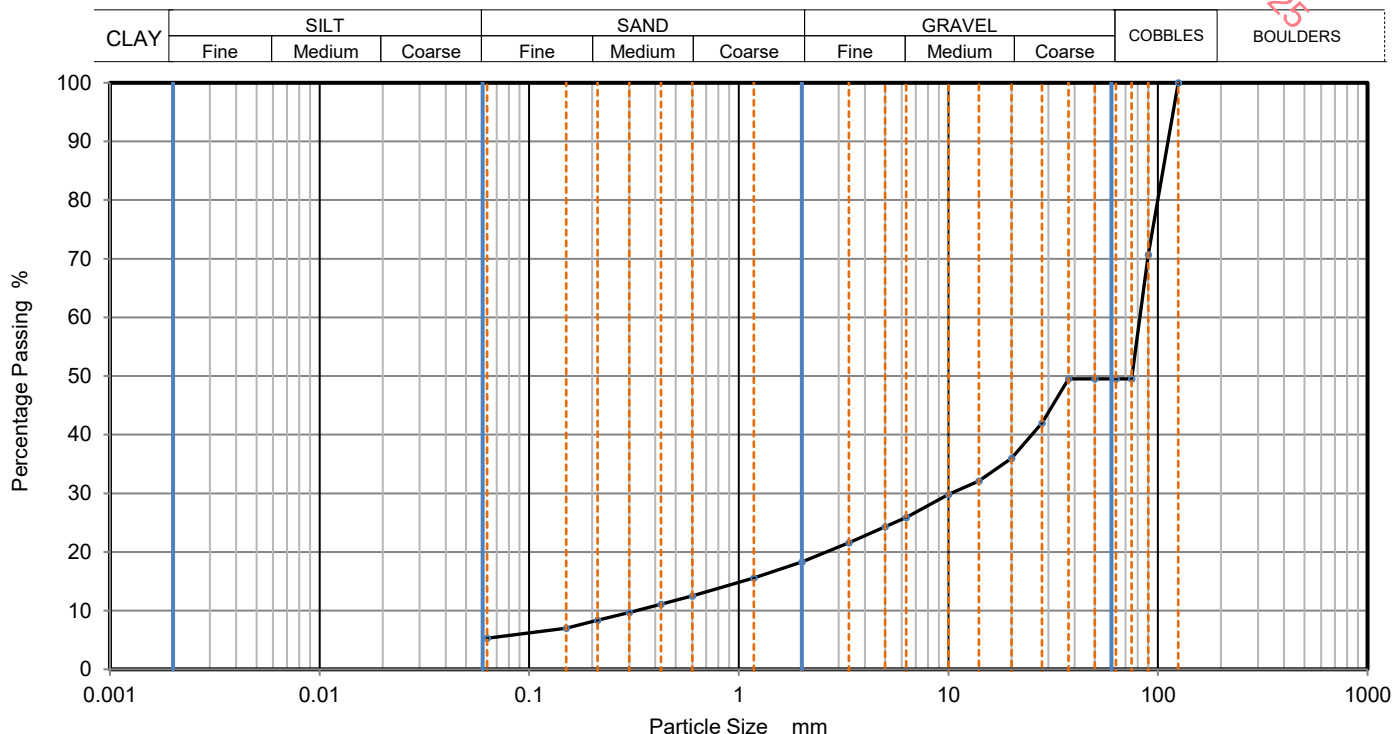
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702283



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 71        |                  |           |
| 75               | 50        |                  |           |
| 63               | 50        |                  |           |
| 50               | 50        |                  |           |
| 37.5             | 50        |                  |           |
| 28               | 42        |                  |           |
| 20               | 36        |                  |           |
| 14               | 32        |                  |           |
| 10               | 30        |                  |           |
| 6.3              | 26        |                  |           |
| 5                | 24        |                  |           |
| 3.35             | 22        |                  |           |
| 2                | 18        |                  |           |
| 1.18             | 16        |                  |           |
| 0.6              | 13        |                  |           |
| 0.425            | 11        |                  |           |
| 0.3              | 10        |                  |           |
| 0.212            | 8         |                  |           |
| 0.15             | 7         |                  |           |
| 0.063            | 5         |                  |           |

Dry Mass of sample, g

4870

**Sample Proportions**

% dry mass

|                |      |
|----------------|------|
| Cobbles        | 50.5 |
| Gravel         | 31.3 |
| Sand           | 13.0 |
| Fines <0.063mm | 5.0  |

**Grading Analysis**

|                        |    |       |
|------------------------|----|-------|
| D100                   | mm | 125   |
| D60                    | mm | 82.1  |
| D30                    | mm | 10.3  |
| D10                    | mm | 0.326 |
| Uniformity Coefficient |    | 250   |
| Curvature Coefficient  |    | 4     |

**Remarks**

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

SL09

Site Name

Kingston Lands, Galway

Sample No.

1

Specimen Description

Greyish brown sandy slightly gravelly silty CLAY.

Sample  
Depth (m)

Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

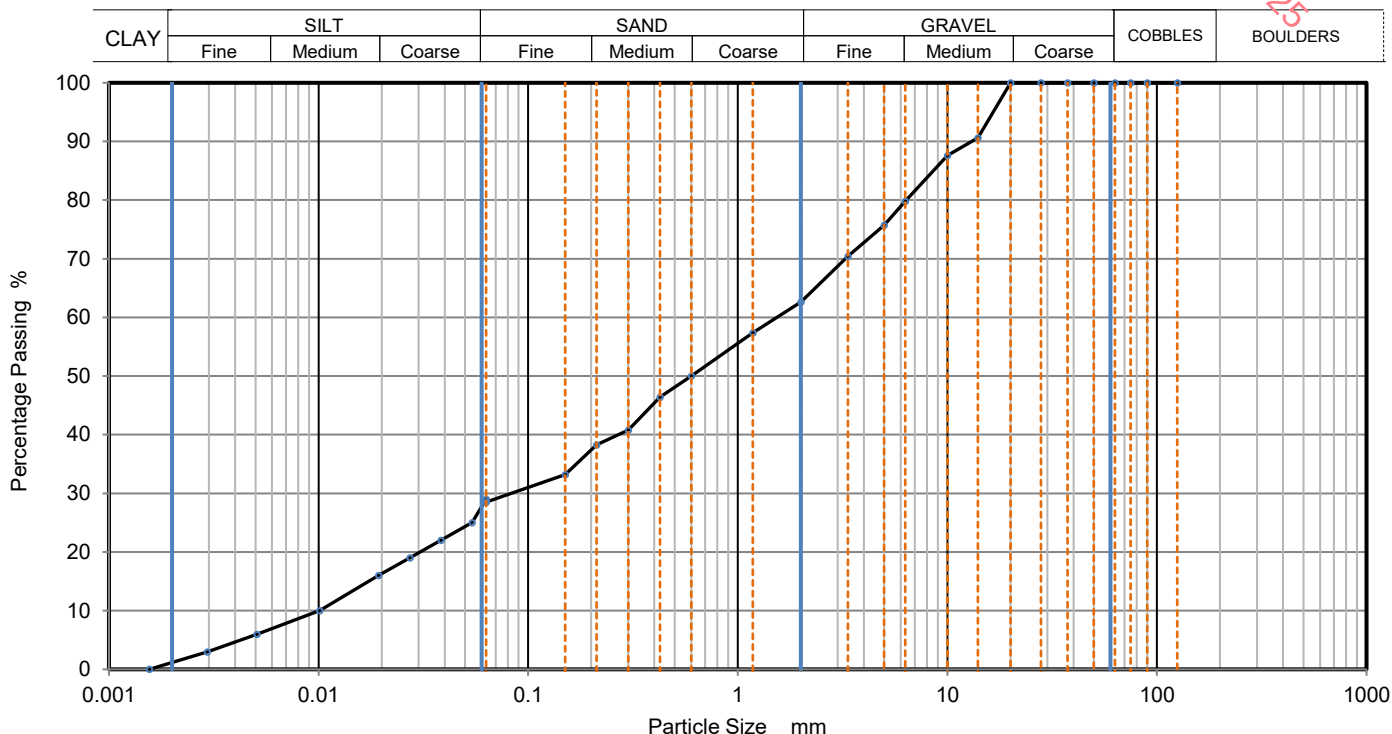
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702284



| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
| 125              | 100       | 0.06300                                  | 29        |
| 90               | 100       | 0.05390                                  | 25        |
| 75               | 100       | 0.03832                                  | 22        |
| 63               | 100       | 0.02724                                  | 19        |
| 50               | 100       | 0.01936                                  | 16        |
| 37.5             | 100       | 0.01010                                  | 10        |
| 28               | 100       | 0.00508                                  | 6         |
| 20               | 100       | 0.00295                                  | 3         |
| 14               | 91        | 0.00156                                  | 0         |
| 10               | 88        |                                          |           |
| 6.3              | 80        |                                          |           |
| 5                | 76        |                                          |           |
| 3.35             | 70        |                                          |           |
| 2                | 63        |                                          |           |
| 1.18             | 57        |                                          |           |
| 0.6              | 50        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 46        |                                          |           |
| 0.3              | 41        |                                          |           |
| 0.212            | 38        |                                          |           |
| 0.15             | 33        |                                          |           |
| 0.063            | 29        |                                          |           |

Dry Mass of sample, g

318

## Sample Proportions

% dry mass

|         |      |
|---------|------|
| Cobbles | 0.0  |
| Gravel  | 37.4 |
| Sand    | 34.1 |
| Silt    | 27.3 |
| Clay    | 1.2  |

## Grading Analysis

|                        |    |        |
|------------------------|----|--------|
| D100                   | mm |        |
| D60                    | mm | 1.53   |
| D30                    | mm | 0.0825 |
| D10                    | mm | 0.0106 |
| Uniformity Coefficient |    | 140    |
| Curvature Coefficient  |    | 0.42   |

## Remarks

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

SL11

Site Name

Kingston Lands, Galway

Sample No.

1

Specimen Description

Dark greyish brown slightly sandy angular fine to coarse GRAVEL with cobbles.

Sample Depth (m)

Top  
Base

1.00

Specimen Reference

3

Specimen Depth

1

m

Sample Type

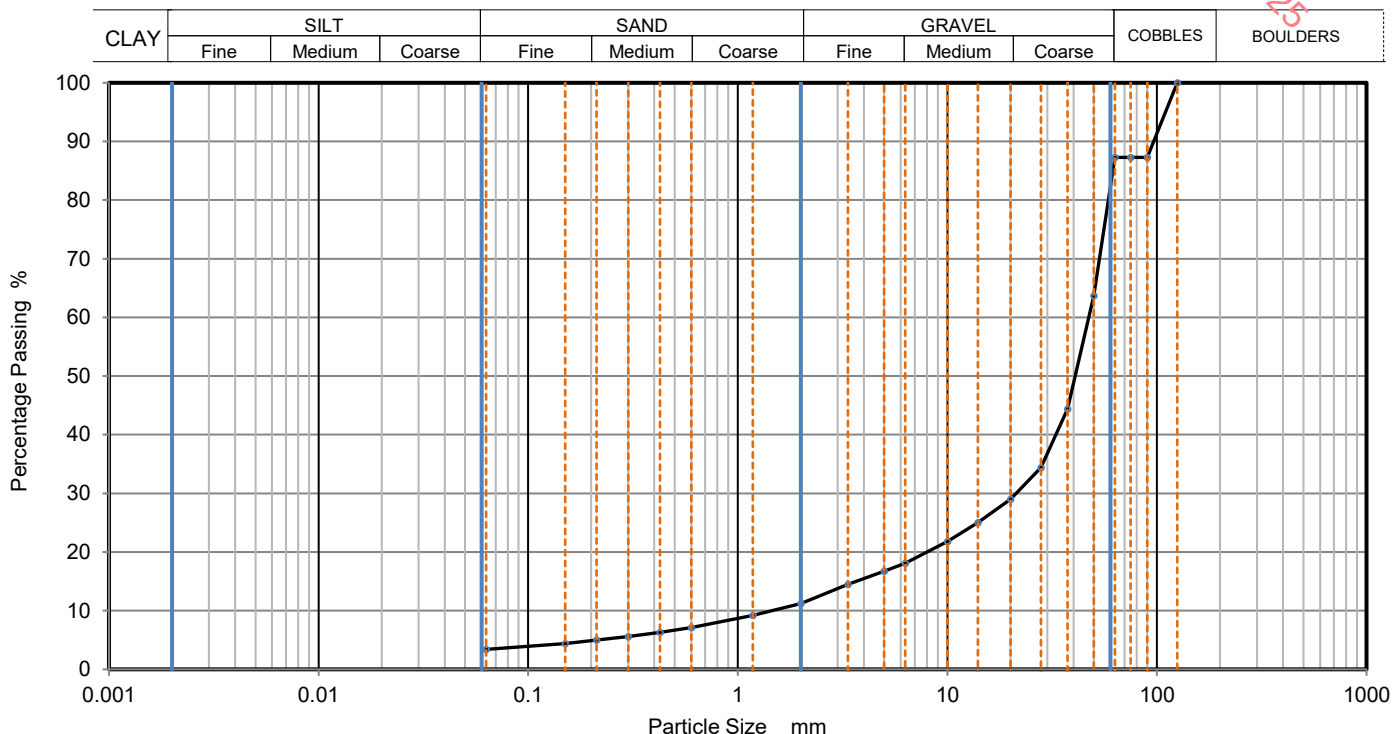
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702288



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 87        |                  |           |
| 75               | 87        |                  |           |
| 63               | 87        |                  |           |
| 50               | 64        |                  |           |
| 37.5             | 44        |                  |           |
| 28               | 34        |                  |           |
| 20               | 29        |                  |           |
| 14               | 25        |                  |           |
| 10               | 22        |                  |           |
| 6.3              | 18        |                  |           |
| 5                | 17        |                  |           |
| 3.35             | 15        |                  |           |
| 2                | 11        |                  |           |
| 1.18             | 9         |                  |           |
| 0.6              | 7         |                  |           |
| 0.425            | 6         |                  |           |
| 0.3              | 6         |                  |           |
| 0.212            | 5         |                  |           |
| 0.15             | 4         |                  |           |
| 0.063            | 3         |                  |           |

Dry Mass of sample, g

6847

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 12.7       |
| Gravel             | 76.1       |
| Sand               | 7.8        |
| Fines <0.063mm     | 3.0        |

| Grading Analysis       |         |
|------------------------|---------|
| D100                   | mm 125  |
| D60                    | mm 47.3 |
| D30                    | mm 21.3 |
| D10                    | mm 1.47 |
| Uniformity Coefficient | 32      |
| Curvature Coefficient  | 6.6     |

Remarks

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## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

SL14

Site Name

Kingston Lands, Galway

Sample No.

1

Specimen Description

Greyish brown gravelly slightly silty fine to coarse SAND.

Sample  
Depth (m)Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

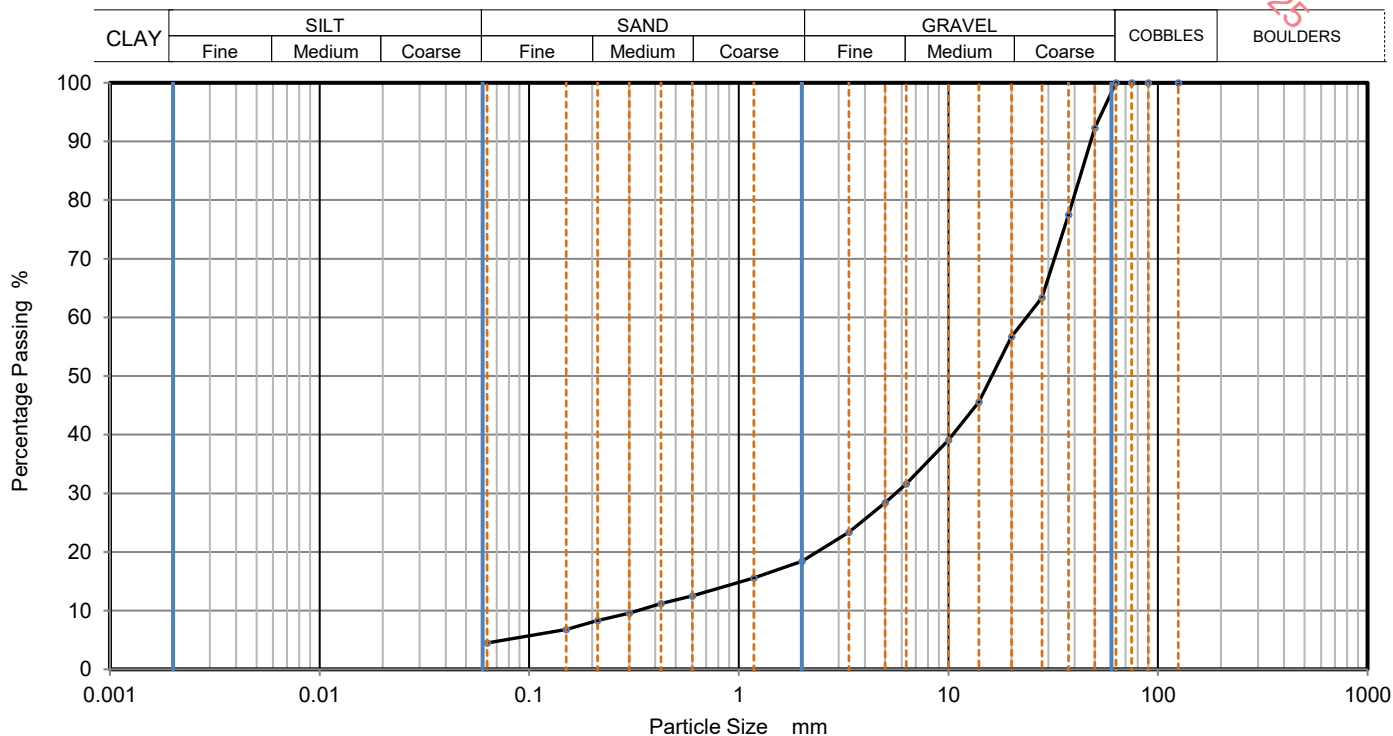
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702294



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 92        |                  |           |
| 37.5             | 78        |                  |           |
| 28               | 63        |                  |           |
| 20               | 57        |                  |           |
| 14               | 46        |                  |           |
| 10               | 39        |                  |           |
| 6.3              | 32        |                  |           |
| 5                | 28        |                  |           |
| 3.35             | 23        |                  |           |
| 2                | 18        |                  |           |
| 1.18             | 16        |                  |           |
| 0.6              | 13        |                  |           |
| 0.425            | 11        |                  |           |
| 0.3              | 10        |                  |           |
| 0.212            | 8         |                  |           |
| 0.15             | 7         |                  |           |
| 0.063            | 5         |                  |           |

Dry Mass of sample, g

3630

**Sample Proportions**

% dry mass

|                |      |
|----------------|------|
| Cobbles        | 0.0  |
| Gravel         | 81.6 |
| Sand           | 13.9 |
| Fines <0.063mm | 4.0  |

**Grading Analysis**

|                        |    |       |
|------------------------|----|-------|
| D100                   | mm |       |
| D60                    | mm | 23.6  |
| D30                    | mm | 5.61  |
| D10                    | mm | 0.326 |
| Uniformity Coefficient |    | 72    |
| Curvature Coefficient  |    | 4.1   |

**Remarks**

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

SL15

Site Name

Kingston Lands, Galway

Sample No.

1

Specimen Description

Brownish black slightly gravelly clayey fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

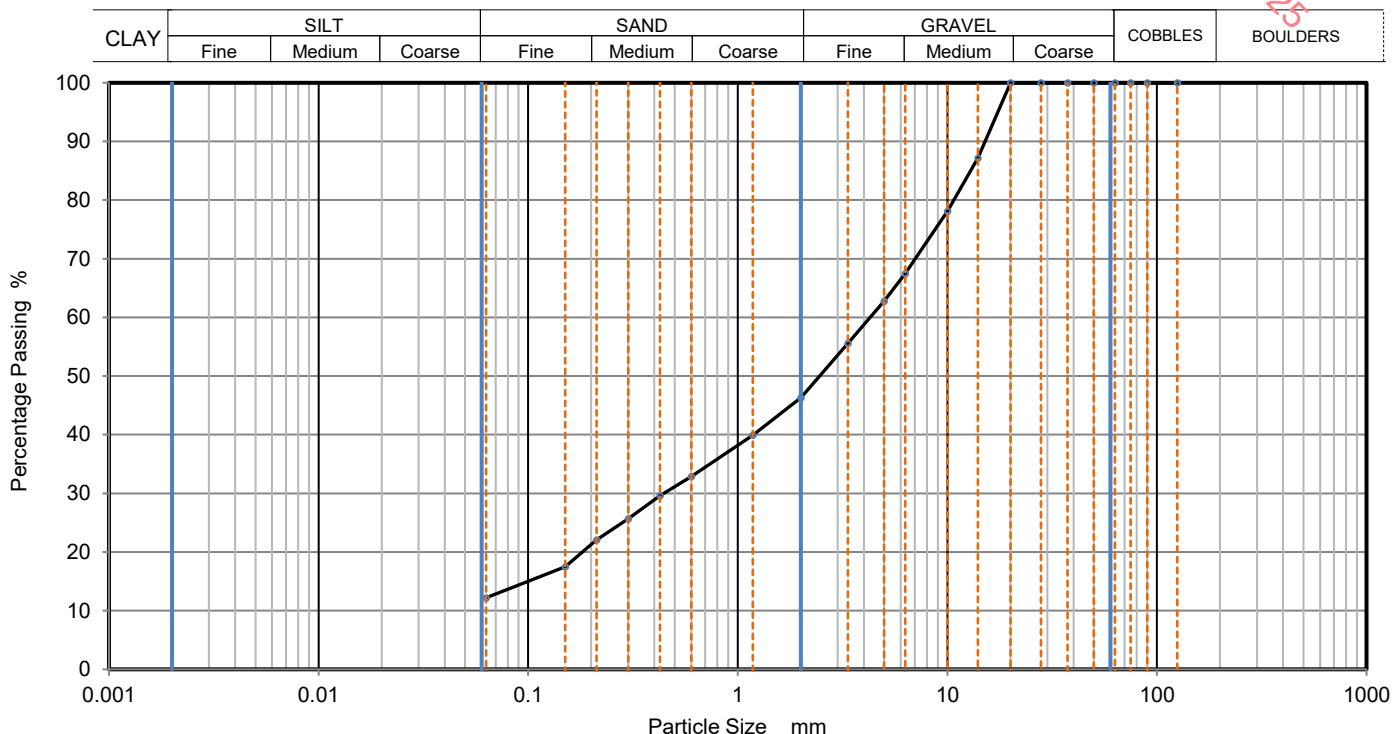
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702296



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 87        |                  |           |
| 10               | 78        |                  |           |
| 6.3              | 68        |                  |           |
| 5                | 63        |                  |           |
| 3.35             | 56        |                  |           |
| 2                | 46        |                  |           |
| 1.18             | 40        |                  |           |
| 0.6              | 33        |                  |           |
| 0.425            | 30        |                  |           |
| 0.3              | 26        |                  |           |
| 0.212            | 22        |                  |           |
| 0.15             | 18        |                  |           |
| 0.063            | 12        |                  |           |

Dry Mass of sample, g

454

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 53.7       |
| Sand               | 34.0       |
| Fines <0.063mm     | 12.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

Remarks

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## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP01

Site Name

Kingston Lands, Galway

Sample No.

6

Specimen Description

Light greyish brown slightly gravelly slightly silty fine to coarse SAND.

Sample  
Depth (m)Top  
Base

2.00

Specimen Reference

3

Specimen  
Depth

2

m

Sample Type

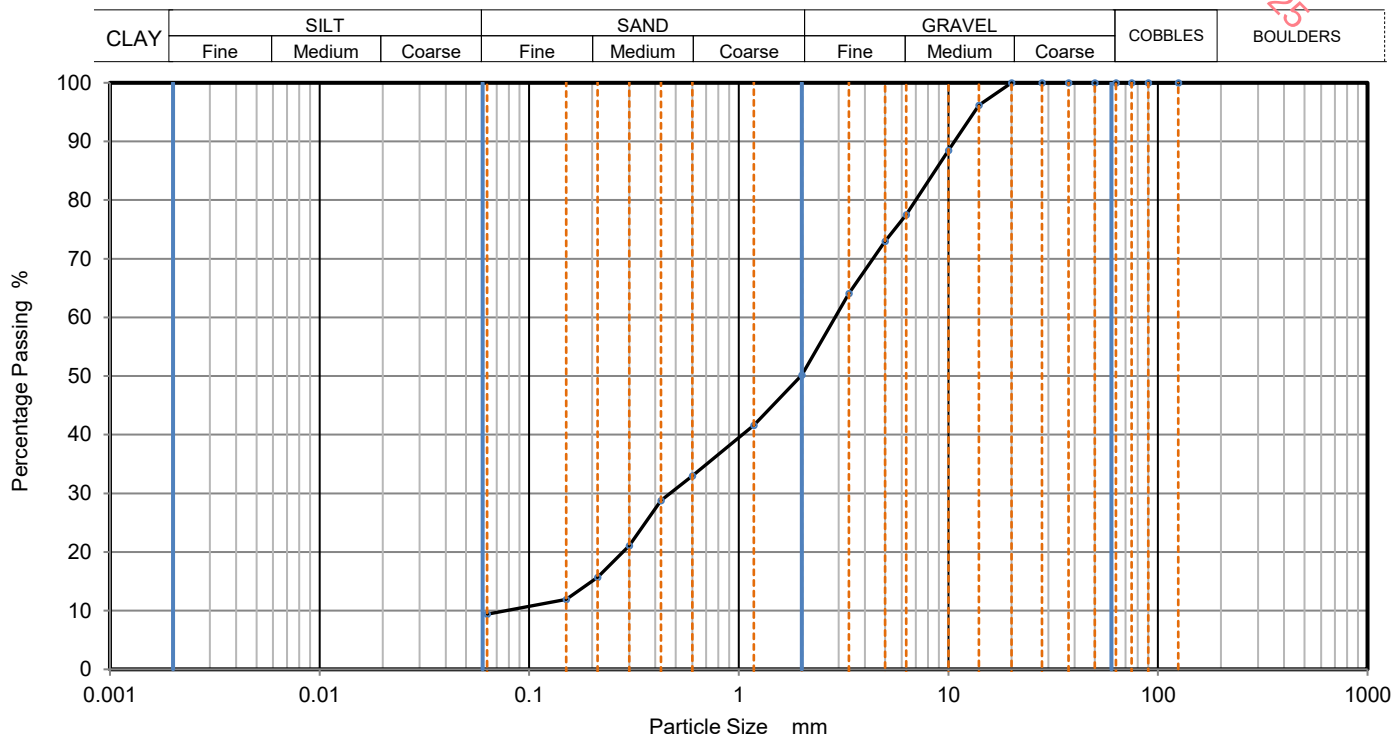
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702301



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 96        |                  |           |
| 10               | 89        |                  |           |
| 6.3              | 78        |                  |           |
| 5                | 73        |                  |           |
| 3.35             | 64        |                  |           |
| 2                | 50        |                  |           |
| 1.18             | 42        |                  |           |
| 0.6              | 33        |                  |           |
| 0.425            | 29        |                  |           |
| 0.3              | 21        |                  |           |
| 0.212            | 16        |                  |           |
| 0.15             | 12        |                  |           |
| 0.063            | 9         |                  |           |

Dry Mass of sample, g

411

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 49.8       |
| Sand               | 40.8       |
| Fines <0.063mm     | 9.0        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 37   |
| Curvature Coefficient  | 0.98 |

Remarks

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP03

Site Name

Kingston Lands, Galway

Sample No.

5

Specimen Description

Light greyish brown slightly gravelly slightly clayey fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

1.00

Specimen Reference

7

Specimen  
Depth

1

m

Sample Type

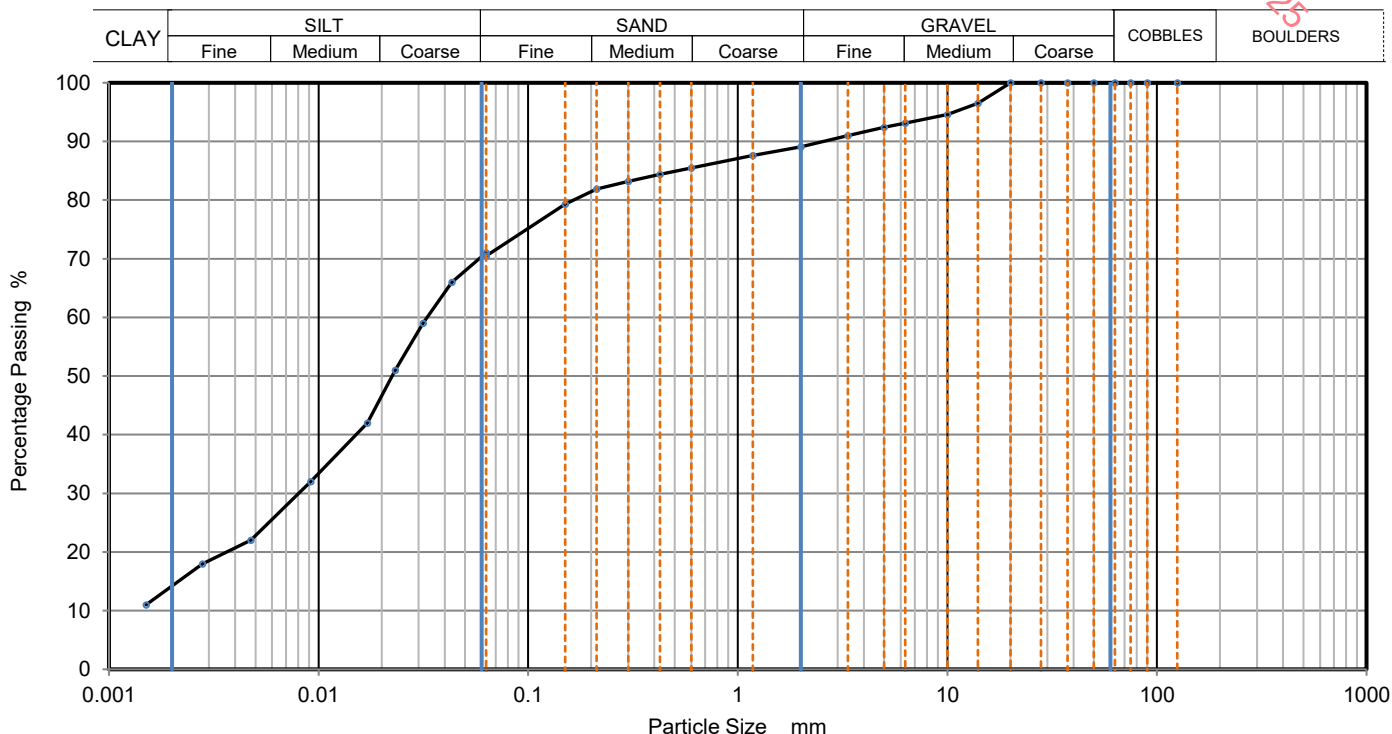
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702307



| Sieving          |           | Sedimentation                            |           |
|------------------|-----------|------------------------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm                         | % Passing |
| 125              | 100       | 0.06300                                  | 71        |
| 90               | 100       | 0.04320                                  | 66        |
| 75               | 100       | 0.03156                                  | 59        |
| 63               | 100       | 0.02318                                  | 51        |
| 50               | 100       | 0.01710                                  | 42        |
| 37.5             | 100       | 0.00918                                  | 32        |
| 28               | 100       | 0.00476                                  | 22        |
| 20               | 100       | 0.00279                                  | 18        |
| 14               | 97        | 0.00150                                  | 11        |
| 10               | 95        |                                          |           |
| 6.3              | 93        |                                          |           |
| 5                | 92        |                                          |           |
| 3.35             | 91        |                                          |           |
| 2                | 89        |                                          |           |
| 1.18             | 88        |                                          |           |
| 0.6              | 86        | Particle density (assumed)<br>2.65 Mg/m3 |           |
| 0.425            | 84        |                                          |           |
| 0.3              | 83        |                                          |           |
| 0.212            | 82        |                                          |           |
| 0.15             | 79        |                                          |           |
| 0.063            | 71        |                                          |           |

Dry Mass of sample, g

226

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 10.9       |
| Sand               | 18.5       |
| Silt               | 56.4       |
| Clay               | 14.2       |

| Grading Analysis       |    |         |
|------------------------|----|---------|
| D100                   | mm |         |
| D60                    | mm | 0.0327  |
| D30                    | mm | 0.00798 |
| D10                    | mm |         |
| Uniformity Coefficient |    |         |
| Curvature Coefficient  |    |         |

Remarks

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP04

Site Name

Kingston Lands, Galway

Sample No.

4

Specimen Description

Light grey slightly gravelly slightly silty fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

2.00

Specimen Reference

3

Specimen  
Depth

2

m

Sample Type

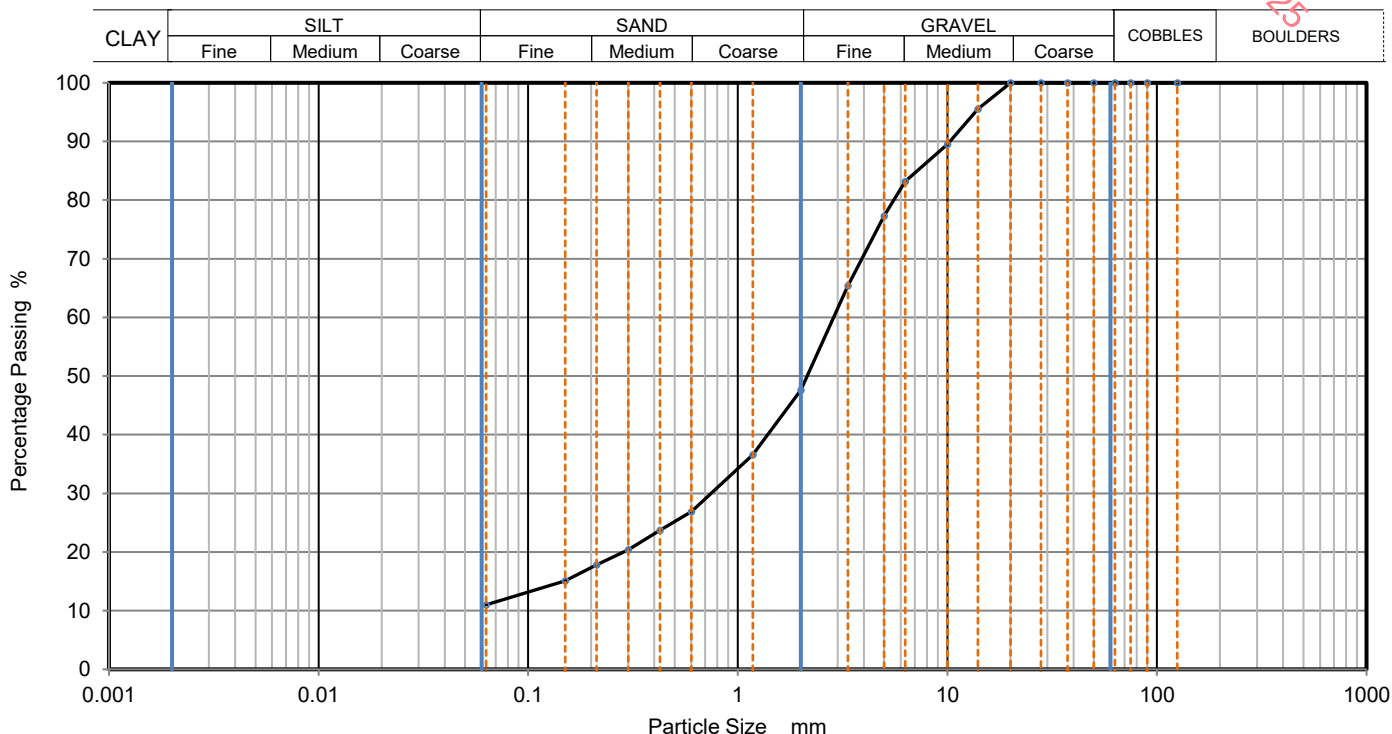
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702313



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 96        |                  |           |
| 10               | 90        |                  |           |
| 6.3              | 83        |                  |           |
| 5                | 77        |                  |           |
| 3.35             | 65        |                  |           |
| 2                | 48        |                  |           |
| 1.18             | 37        |                  |           |
| 0.6              | 27        |                  |           |
| 0.425            | 24        |                  |           |
| 0.3              | 20        |                  |           |
| 0.212            | 18        |                  |           |
| 0.15             | 15        |                  |           |
| 0.063            | 11        |                  |           |

Dry Mass of sample, g

220

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 52.4       |
| Sand               | 36.6       |
| Fines <0.063mm     | 11.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

Remarks

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP05

Site Name

Kingston Lands, Galway

Sample No.

5

Specimen Description

Grey slightly gravelly clayey fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

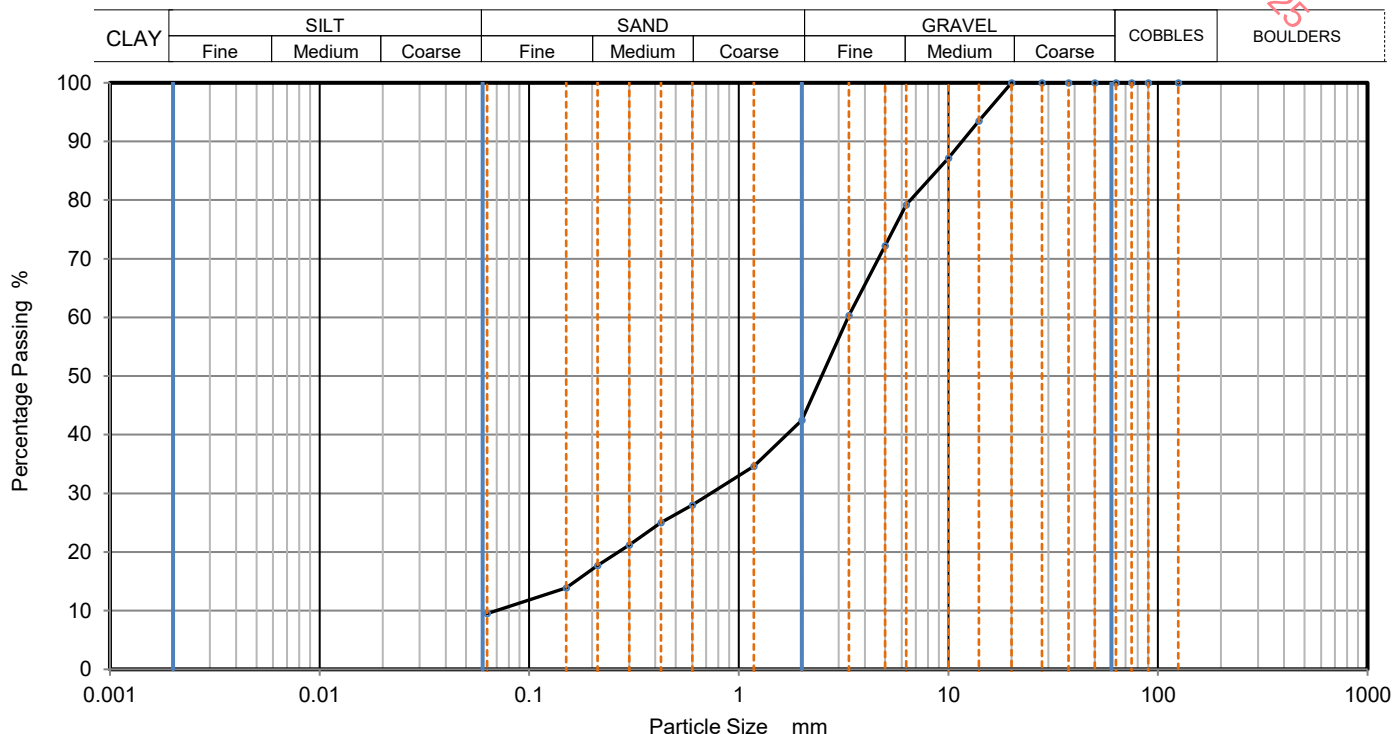
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702315



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 94        |                  |           |
| 10               | 87        |                  |           |
| 6.3              | 79        |                  |           |
| 5                | 72        |                  |           |
| 3.35             | 60        |                  |           |
| 2                | 43        |                  |           |
| 1.18             | 35        |                  |           |
| 0.6              | 28        |                  |           |
| 0.425            | 25        |                  |           |
| 0.3              | 21        |                  |           |
| 0.212            | 18        |                  |           |
| 0.15             | 14        |                  |           |
| 0.063            | 10        |                  |           |

Dry Mass of sample, g

209

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 57.5       |
| Sand               | 32.9       |
| Fines <0.063mm     | 10.0       |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 48  |
| Curvature Coefficient  | 2.4 |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP06

Site Name

Kingston Lands, Galway

Sample No.

4

Specimen Description

Grey slightly gravelly clayey fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

0.45

Specimen Reference

3

Specimen  
Depth

0.45

m

Sample Type

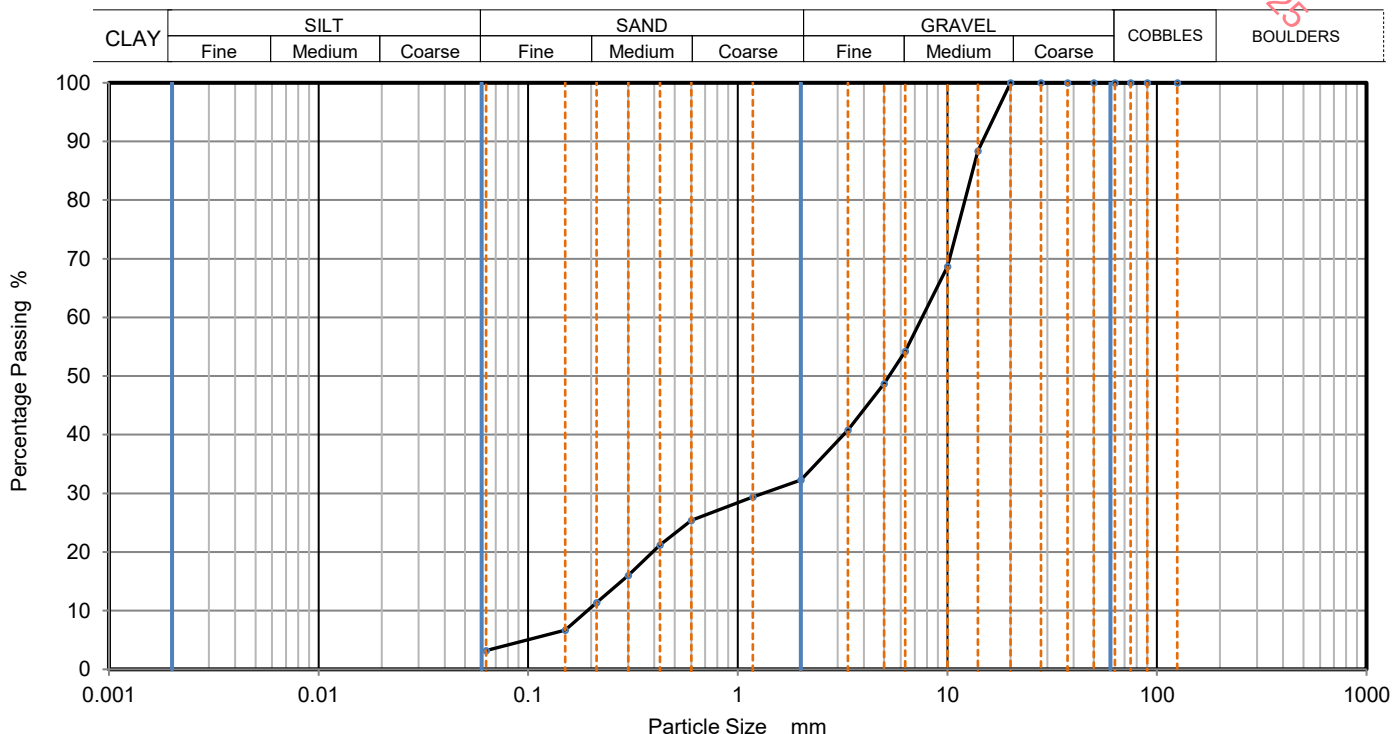
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702319



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 88        |                  |           |
| 10               | 69        |                  |           |
| 6.3              | 54        |                  |           |
| 5                | 49        |                  |           |
| 3.35             | 41        |                  |           |
| 2                | 32        |                  |           |
| 1.18             | 29        |                  |           |
| 0.6              | 25        |                  |           |
| 0.425            | 21        |                  |           |
| 0.3              | 16        |                  |           |
| 0.212            | 11        |                  |           |
| 0.15             | 7         |                  |           |
| 0.063            | 3         |                  |           |

Dry Mass of sample, g

463

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 67.7       |
| Sand               | 29.1       |
| Fines <0.063mm     | 3.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 40  |
| Curvature Coefficient  | 1.2 |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

LAB 30R - Version 1

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP07

Site Name

Kingston Lands, Galway

Sample No.

10

Specimen Description

Brownish grey slightly sandy clayey subangular GRAVEL.

Sample  
Depth (m)

Top  
Base

1.55

Specimen Reference

3

Specimen  
Depth

1.55

m

Sample Type

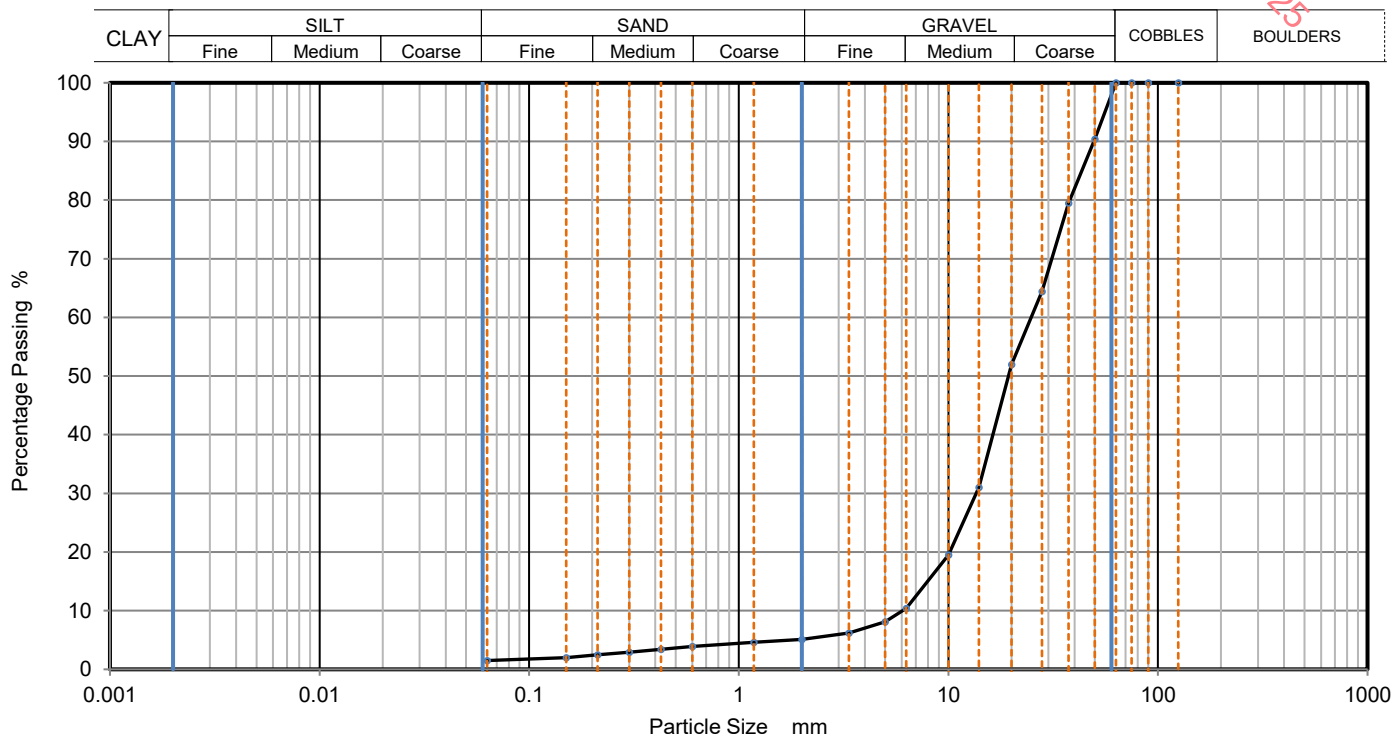
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702328



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 90        |                  |           |
| 37.5             | 80        |                  |           |
| 28               | 64        |                  |           |
| 20               | 52        |                  |           |
| 14               | 31        |                  |           |
| 10               | 20        |                  |           |
| 6.3              | 10        |                  |           |
| 5                | 8         |                  |           |
| 3.35             | 6         |                  |           |
| 2                | 5         |                  |           |
| 1.18             | 5         |                  |           |
| 0.6              | 4         |                  |           |
| 0.425            | 3         |                  |           |
| 0.3              | 3         |                  |           |
| 0.212            | 3         |                  |           |
| 0.15             | 2         |                  |           |
| 0.063            | 2         |                  |           |

Dry Mass of sample, g

3622

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 94.9       |
| Sand               | 3.6        |
| Fines <0.063mm     | 1.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 4.1 |
| Curvature Coefficient  | 1.2 |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

LAB 30R - Version 1

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP07

Site Name

Kingston Lands, Galway

Sample No.

12

Specimen Description

Greyish black slightly sandy slightly silty angular fine to coarse GRAVEL with cobbles.

Sample Depth (m)

Top  
Base

3.00

Specimen Reference

7

Specimen Depth

3

m

Sample Type

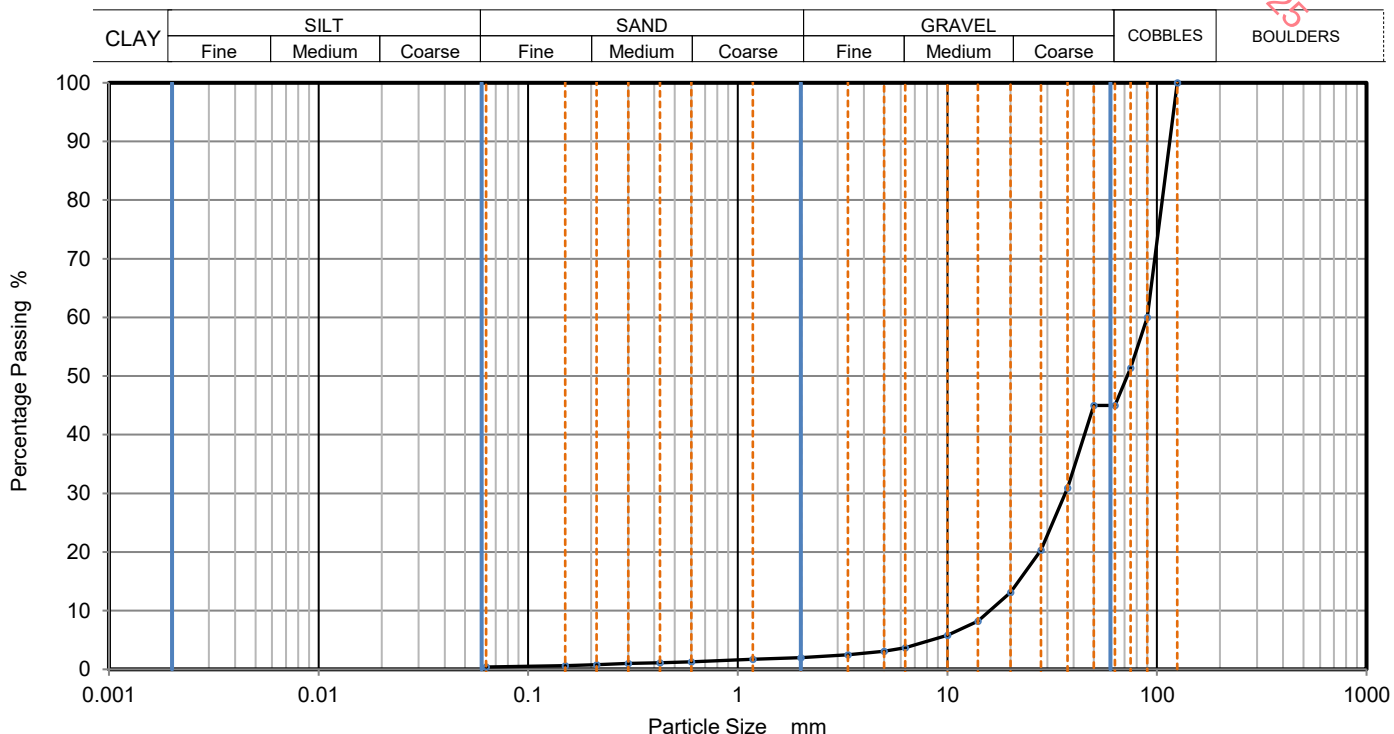
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Causeway 20250702333



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 60        |                  |           |
| 75               | 51        |                  |           |
| 63               | 45        |                  |           |
| 50               | 45        |                  |           |
| 37.5             | 31        |                  |           |
| 28               | 20        |                  |           |
| 20               | 13        |                  |           |
| 14               | 8         |                  |           |
| 10               | 6         |                  |           |
| 6.3              | 4         |                  |           |
| 5                | 3         |                  |           |
| 3.35             | 3         |                  |           |
| 2                | 2         |                  |           |
| 1.18             | 2         |                  |           |
| 0.6              | 1         |                  |           |
| 0.425            | 1         |                  |           |
| 0.3              | 1         |                  |           |
| 0.212            | 1         |                  |           |
| 0.15             | 1         |                  |           |
| 0.063            | 0         |                  |           |

Dry Mass of sample, g

8538

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 55.0       |
| Gravel             | 43.0       |
| Sand               | 1.6        |
| Fines <0.063mm     | 0.0        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | 125  |
| D60                    | 90   |
| D30                    | 36.6 |
| D10                    | 16   |
| Uniformity Coefficient | 5.6  |
| Curvature Coefficient  | 0.93 |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP09

Site Name

Kingston Lands, Galway

Sample No.

3

Specimen Description

Light greyish brown slightly gravelly clayey fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

0.50

Specimen Reference

3

Specimen  
Depth

0.5

m

Sample Type

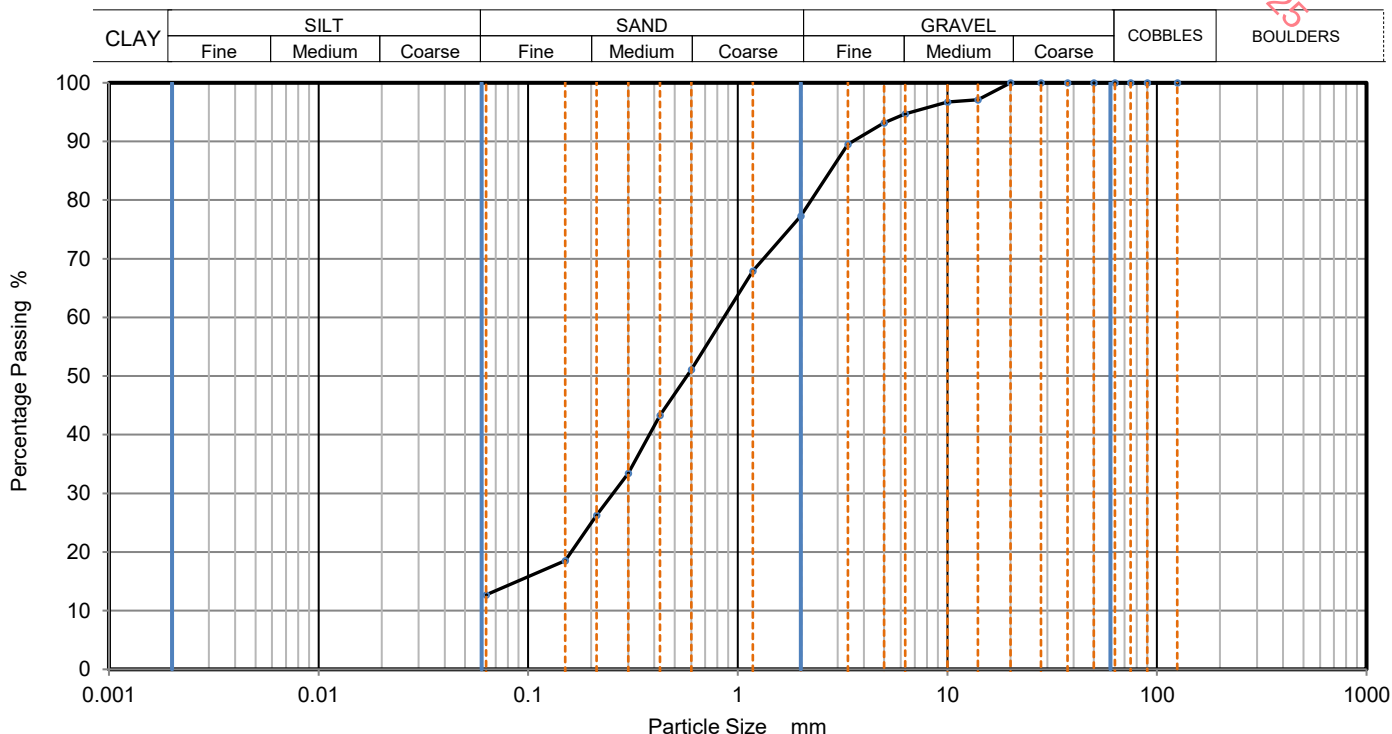
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702339



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 97        |                  |           |
| 10               | 97        |                  |           |
| 6.3              | 95        |                  |           |
| 5                | 93        |                  |           |
| 3.35             | 90        |                  |           |
| 2                | 77        |                  |           |
| 1.18             | 68        |                  |           |
| 0.6              | 51        |                  |           |
| 0.425            | 43        |                  |           |
| 0.3              | 33        |                  |           |
| 0.212            | 26        |                  |           |
| 0.15             | 19        |                  |           |
| 0.063            | 13        |                  |           |

Dry Mass of sample, g

214

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 22.7       |
| Sand               | 64.7       |
| Fines <0.063mm     | 13.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

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# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP10

Site Name

Kingston Lands, Galway

Sample No.

5

Specimen Description

Reddish brown slightly gravelly silty fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

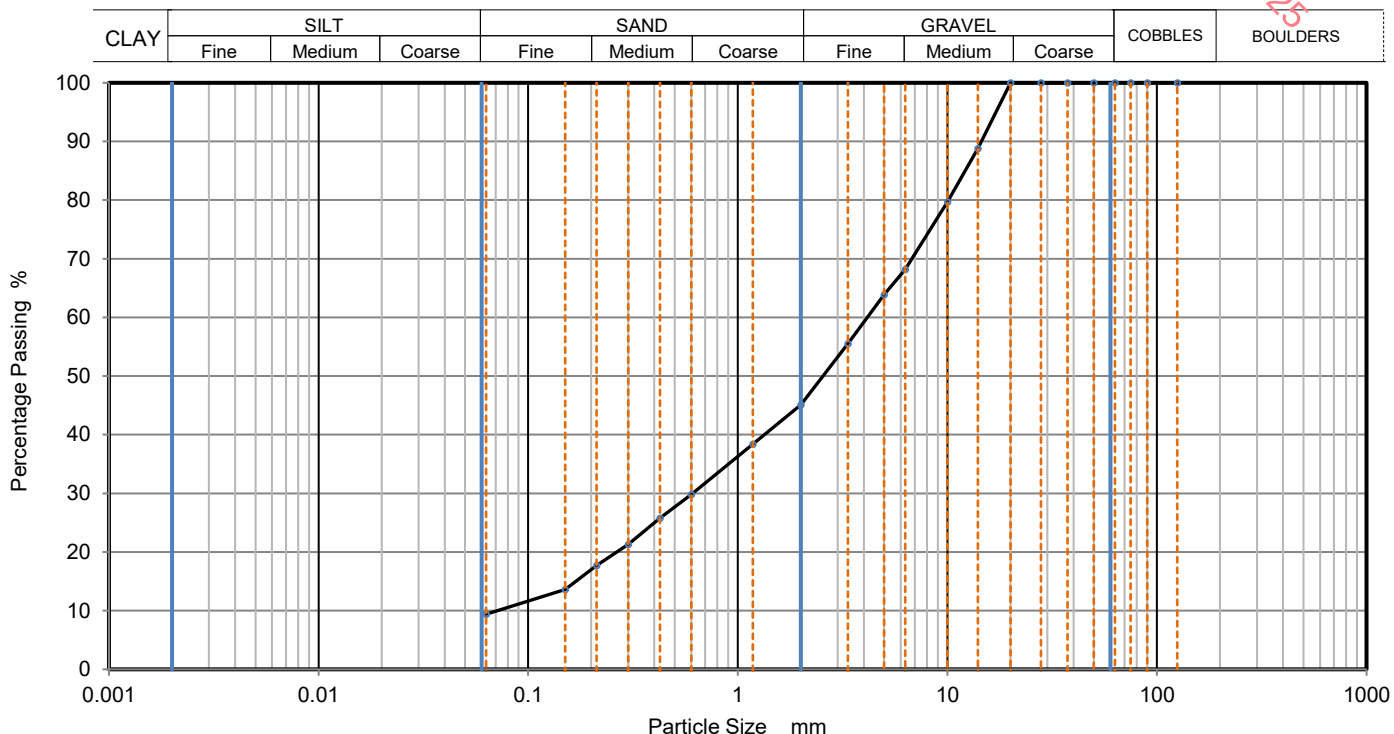
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702344



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 89        |                  |           |
| 10               | 80        |                  |           |
| 6.3              | 68        |                  |           |
| 5                | 64        |                  |           |
| 3.35             | 56        |                  |           |
| 2                | 45        |                  |           |
| 1.18             | 38        |                  |           |
| 0.6              | 30        |                  |           |
| 0.425            | 26        |                  |           |
| 0.3              | 21        |                  |           |
| 0.212            | 18        |                  |           |
| 0.15             | 14        |                  |           |
| 0.063            | 9         |                  |           |

Dry Mass of sample, g

374

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 54.9       |
| Sand               | 35.6       |
| Fines <0.063mm     | 9.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 59  |
| Curvature Coefficient  | 1.3 |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP11

Site Name

Kingston Lands, Galway

Sample No.

8

Specimen Description

Greyish brown slightly gravelly slightly clayey fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

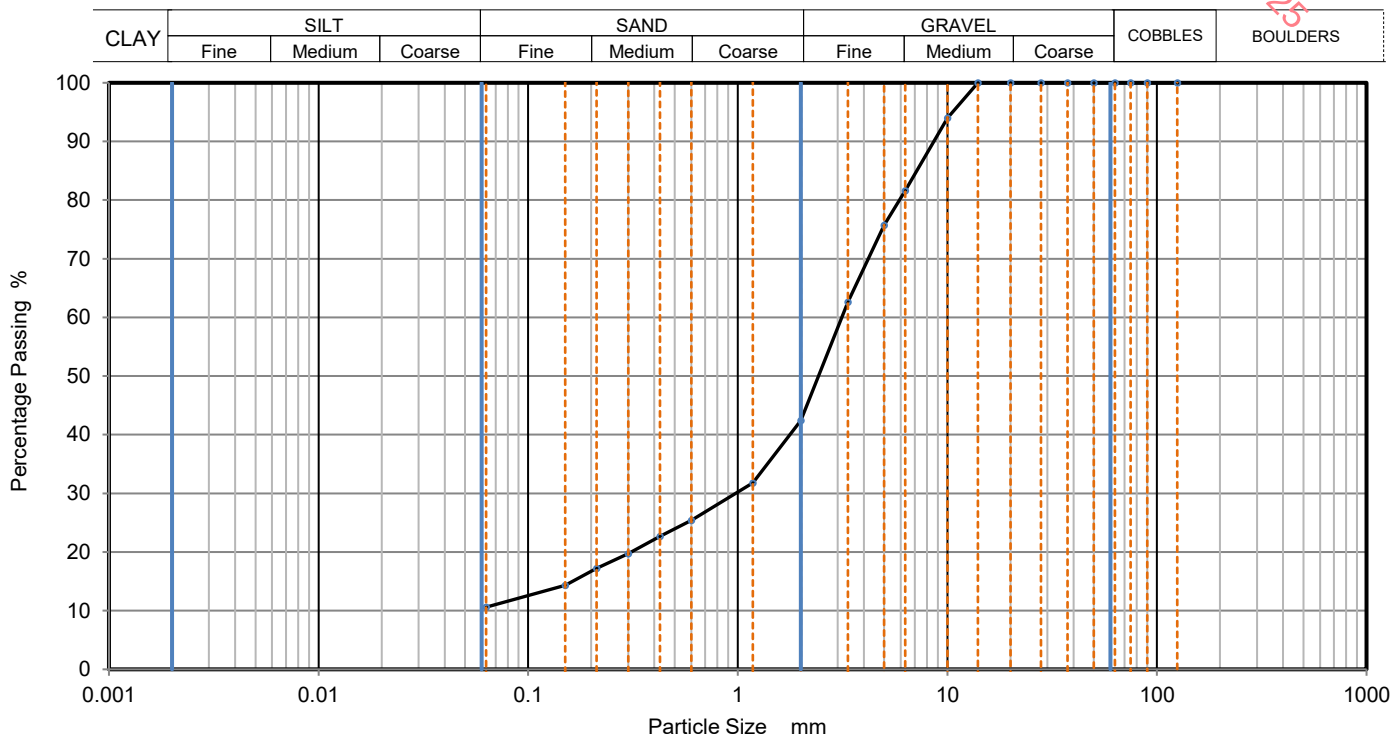
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702347



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 100       |                  |           |
| 10               | 94        |                  |           |
| 6.3              | 82        |                  |           |
| 5                | 76        |                  |           |
| 3.35             | 63        |                  |           |
| 2                | 42        |                  |           |
| 1.18             | 32        |                  |           |
| 0.6              | 25        |                  |           |
| 0.425            | 23        |                  |           |
| 0.3              | 20        |                  |           |
| 0.212            | 17        |                  |           |
| 0.15             | 14        |                  |           |
| 0.063            | 11        |                  |           |

Dry Mass of sample, g

265

## Sample Proportions

% dry mass

|                |      |
|----------------|------|
| Cobbles        | 0.0  |
| Gravel         | 57.6 |
| Sand           | 31.7 |
| Fines <0.063mm | 11.0 |

## Grading Analysis

|                        |    |       |
|------------------------|----|-------|
| D100                   | mm |       |
| D60                    | mm | 3.13  |
| D30                    | mm | 0.975 |
| D10                    | mm |       |
| Uniformity Coefficient |    |       |
| Curvature Coefficient  |    |       |

## Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

LAB 30R - Version 1

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP11

Site Name

Kingston Lands, Galway

Sample No.

7

Specimen Description

Grey very silty fine to coarse SAND.

Sample Depth (m)

Top  
Base

3.50

Specimen Reference

3

Specimen Depth

3.5

m

Sample Type

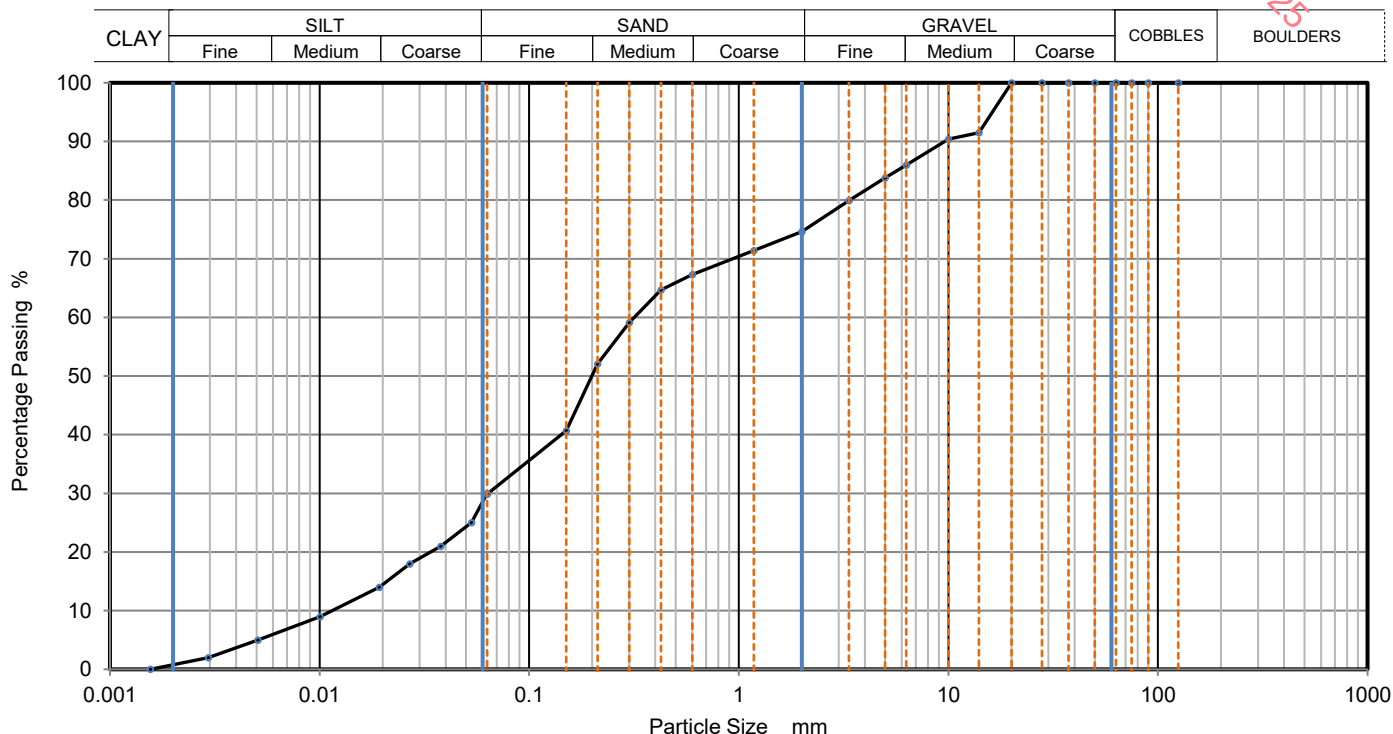
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Causeway 20250702351



| Sieving          |           | Sedimentation              |           |
|------------------|-----------|----------------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm           | % Passing |
| 125              | 100       | 0.06300                    | 30        |
| 90               | 100       | 0.05302                    | 25        |
| 75               | 100       | 0.03791                    | 21        |
| 63               | 100       | 0.02695                    | 18        |
| 50               | 100       | 0.01926                    | 14        |
| 37.5             | 100       | 0.01005                    | 9         |
| 28               | 100       | 0.00508                    | 5         |
| 20               | 100       | 0.00295                    | 2         |
| 14               | 92        | 0.00156                    | 0         |
| 10               | 90        |                            |           |
| 6.3              | 86        |                            |           |
| 5                | 84        |                            |           |
| 3.35             | 80        |                            |           |
| 2                | 75        |                            |           |
| 1.18             | 71        |                            |           |
| 0.6              | 67        |                            |           |
| 0.425            | 65        | Particle density (assumed) |           |
| 0.3              | 59        | 2.65                       | Mg/m3     |
| 0.212            | 52        |                            |           |
| 0.15             | 41        |                            |           |
| 0.063            | 30        |                            |           |

Dry Mass of sample, g

371

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 25.4       |
| Sand               | 44.7       |
| Silt               | 29.0       |
| Clay               | 0.9        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 28  |
| Curvature Coefficient  | 1.1 |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson



## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP12

Site Name

Kingston Lands, Galway

Sample No.

1

Specimen Description

Brown slightly silty slightly gravelly fine to coarse SAND.

Sample  
Depth (m)Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

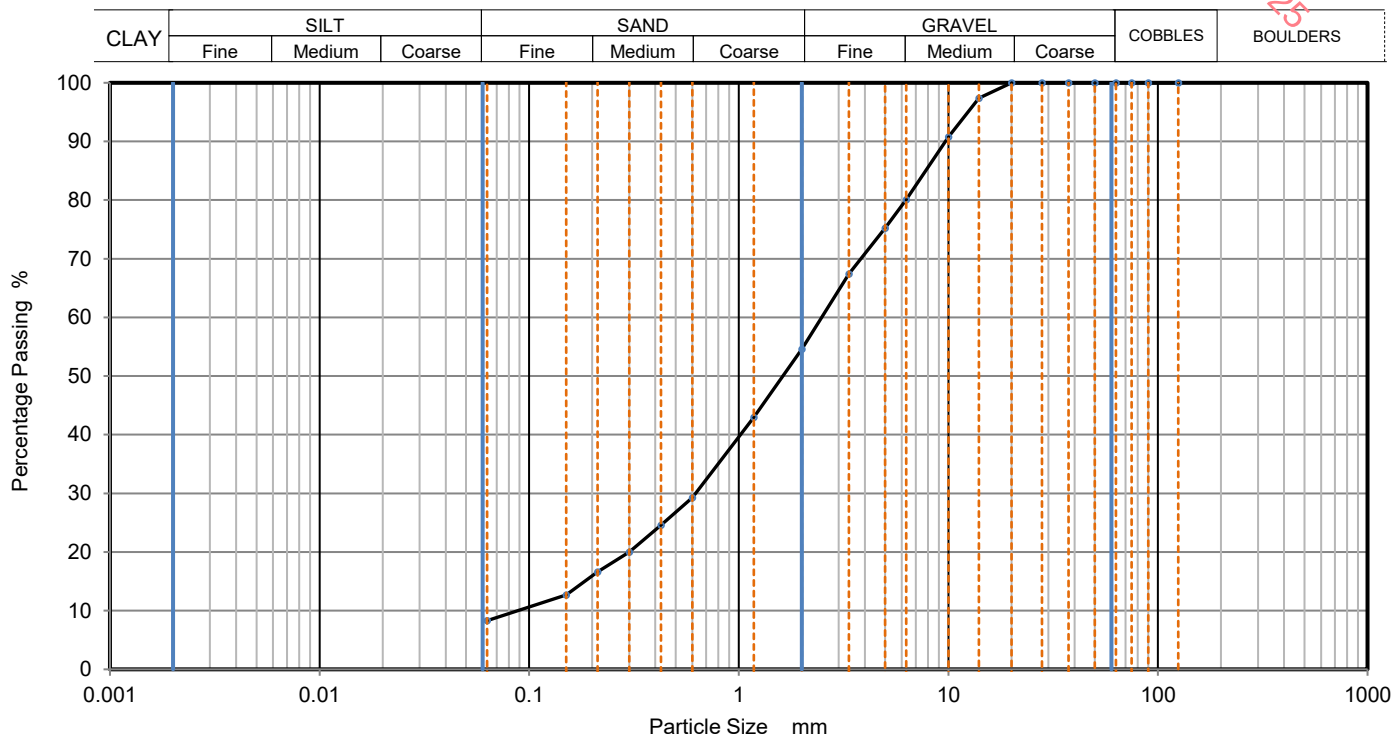
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702352



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 97        |                  |           |
| 10               | 91        |                  |           |
| 6.3              | 80        |                  |           |
| 5                | 75        |                  |           |
| 3.35             | 67        |                  |           |
| 2                | 55        |                  |           |
| 1.18             | 43        |                  |           |
| 0.6              | 29        |                  |           |
| 0.425            | 25        |                  |           |
| 0.3              | 20        |                  |           |
| 0.212            | 17        |                  |           |
| 0.15             | 13        |                  |           |
| 0.063            | 8         |                  |           |

Dry Mass of sample, g

521

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 45.4       |
| Sand               | 46.3       |
| Fines <0.063mm     | 8.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 28  |
| Curvature Coefficient  | 1.8 |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

LAB 30R - Version 1



10122

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP12

Site Name

Kingston Lands, Galway

Sample No.

2

Specimen Description

Brown slightly silty slightly gravelly fine to coarse SAND.

Sample Depth (m)

Top  
Base

2.00

Specimen Reference

3

Specimen Depth

2

m

Sample Type

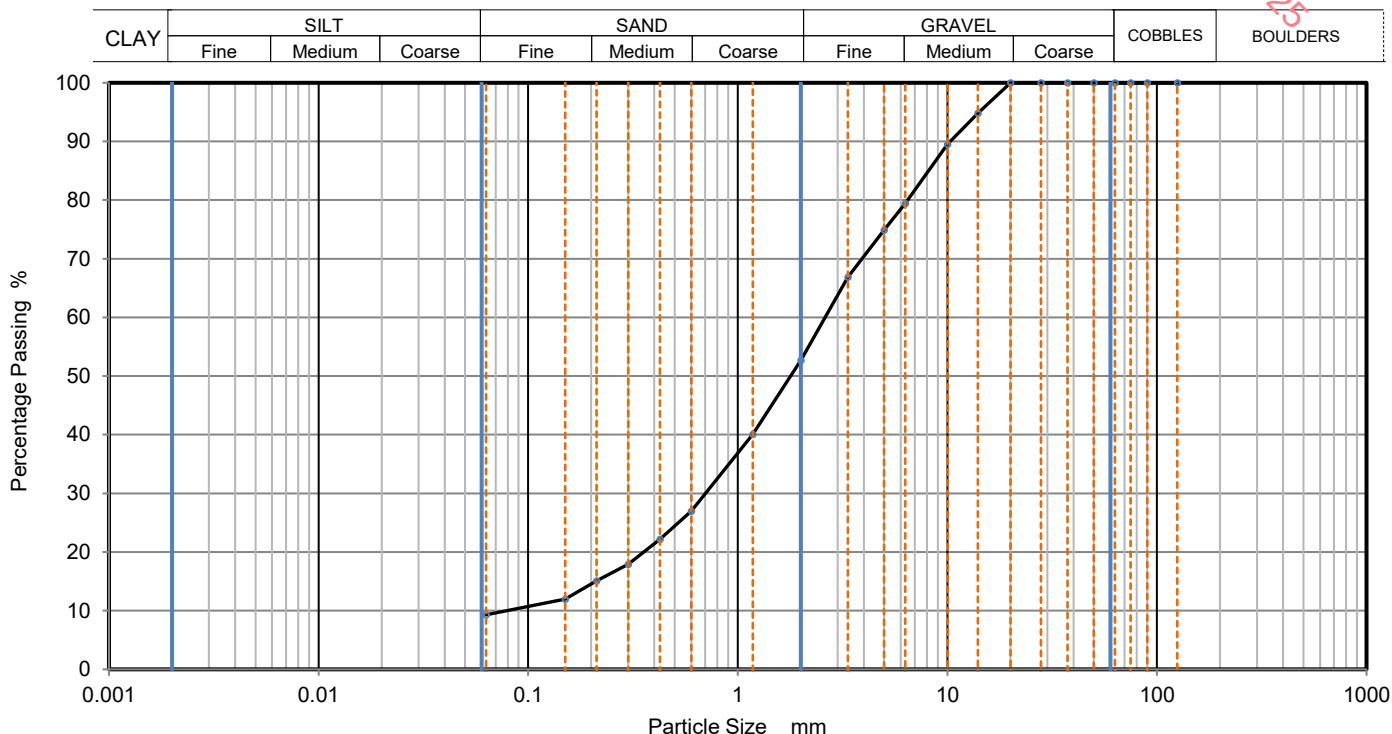
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702355



# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP14

Site Name

Kingston Lands, Galway

Sample No.

2

Specimen Description

Reddish brown slightly silty slightly gravelly fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

0.90

Specimen Reference

3

Specimen  
Depth

0.9

m

Sample Type

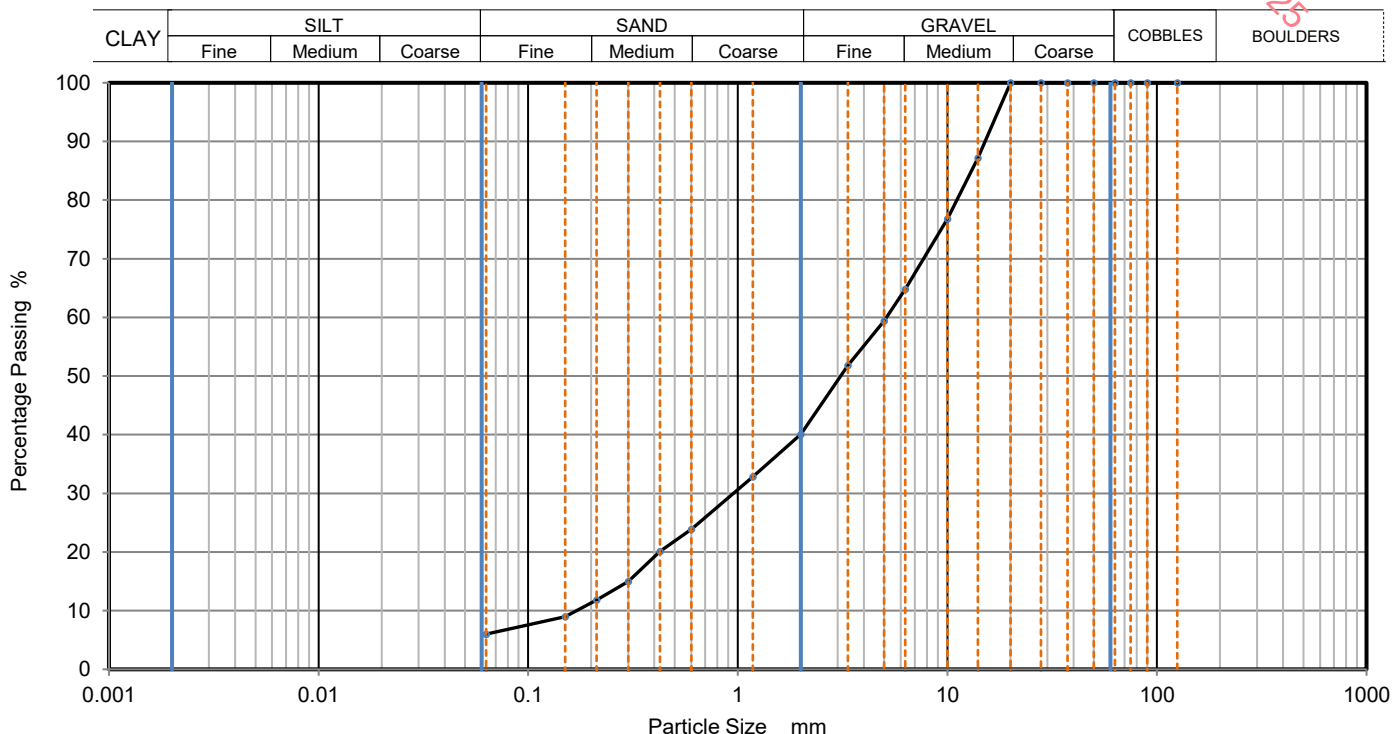
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702357



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 87        |                  |           |
| 10               | 77        |                  |           |
| 6.3              | 65        |                  |           |
| 5                | 59        |                  |           |
| 3.35             | 52        |                  |           |
| 2                | 40        |                  |           |
| 1.18             | 33        |                  |           |
| 0.6              | 24        |                  |           |
| 0.425            | 20        |                  |           |
| 0.3              | 15        |                  |           |
| 0.212            | 12        |                  |           |
| 0.15             | 9         |                  |           |
| 0.063            | 6         |                  |           |

Dry Mass of sample, g

402

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 59.9       |
| Sand               | 34.1       |
| Fines <0.063mm     | 6.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 30  |
| Curvature Coefficient  | 1.1 |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

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## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP15

Site Name

Kingston Lands, Galway

Sample No.

9

Specimen Description

Brown slightly gravelly silty fine to coarse SAND.

Sample  
Depth (m)Top  
Base

2.00

Specimen Reference

3

Specimen  
Depth

2

m

Sample Type

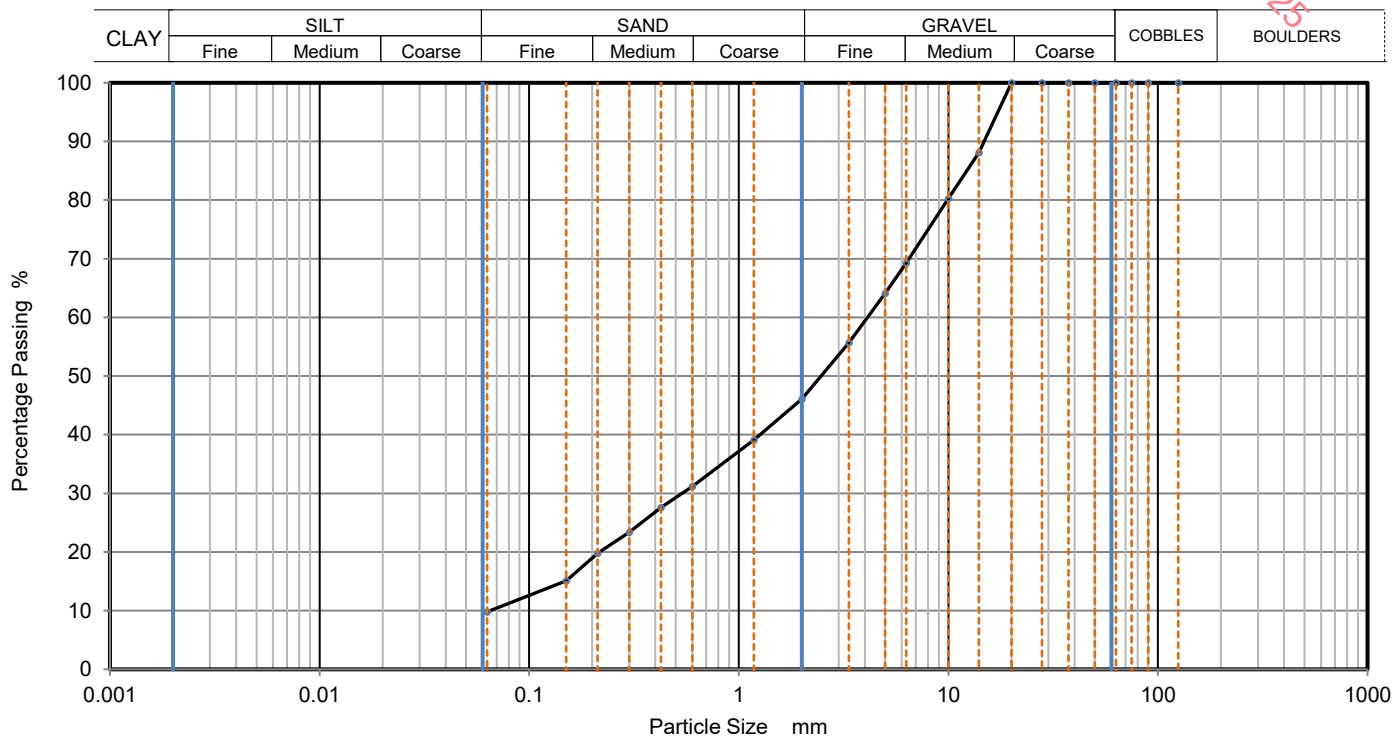
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702366



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 88        |                  |           |
| 10               | 80        |                  |           |
| 6.3              | 69        |                  |           |
| 5                | 64        |                  |           |
| 3.35             | 56        |                  |           |
| 2                | 46        |                  |           |
| 1.18             | 39        |                  |           |
| 0.6              | 31        |                  |           |
| 0.425            | 28        |                  |           |
| 0.3              | 23        |                  |           |
| 0.212            | 20        |                  |           |
| 0.15             | 15        |                  |           |
| 0.063            | 10        |                  |           |

Dry Mass of sample, g

899

**Sample Proportions**

% dry mass

|                |      |
|----------------|------|
| Cobbles        | 0.0  |
| Gravel         | 53.9 |
| Sand           | 36.2 |
| Fines <0.063mm | 10.0 |

**Grading Analysis**

|                        |    |        |
|------------------------|----|--------|
| D100                   | mm |        |
| D60                    | mm | 4.11   |
| D30                    | mm | 0.536  |
| D10                    | mm | 0.0647 |
| Uniformity Coefficient |    | 64     |
| Curvature Coefficient  |    | 1.1    |

**Remarks**

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

LAB 30R - Version 1



10122

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP16

Site Name

Kingston Lands, Galway

Sample No.

3

Specimen Description

Reddish brown slightly gravelly clayey fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

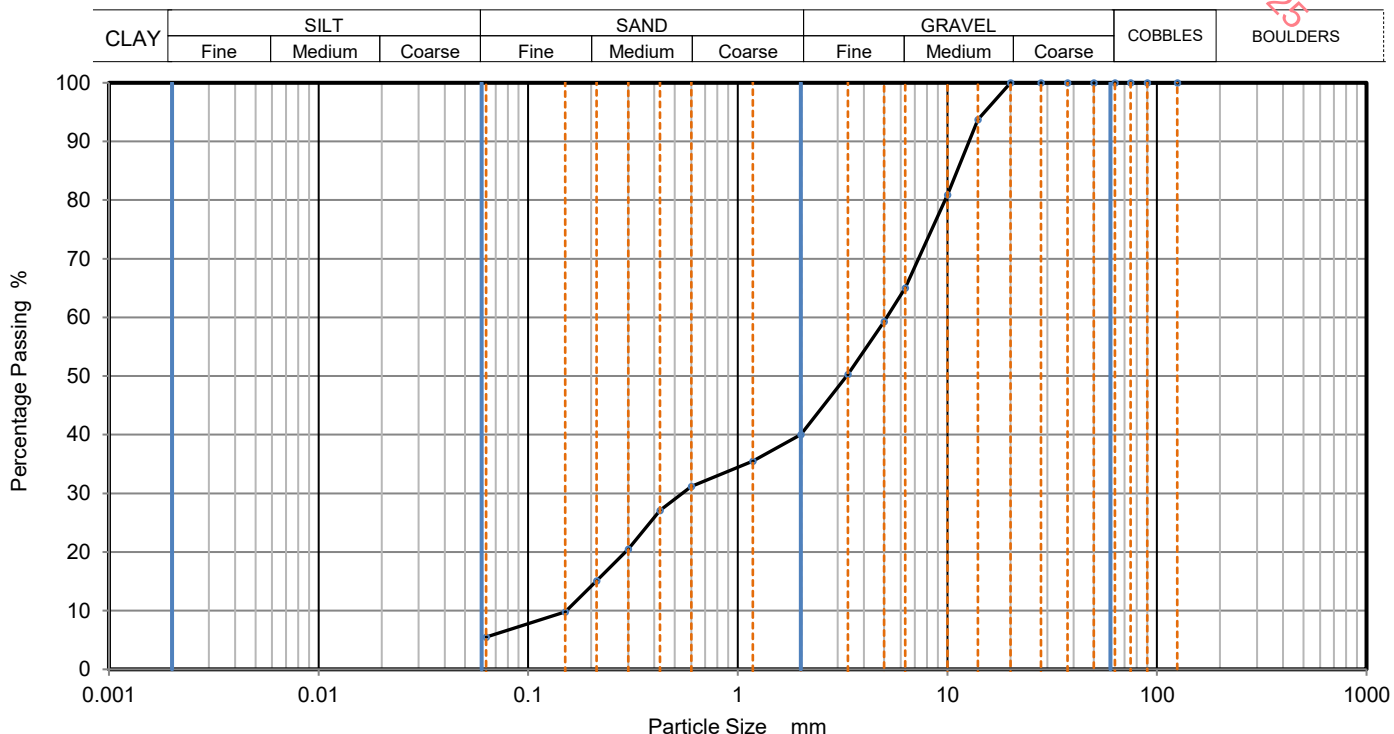
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702370



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 94        |                  |           |
| 10               | 81        |                  |           |
| 6.3              | 65        |                  |           |
| 5                | 59        |                  |           |
| 3.35             | 50        |                  |           |
| 2                | 40        |                  |           |
| 1.18             | 36        |                  |           |
| 0.6              | 31        |                  |           |
| 0.425            | 27        |                  |           |
| 0.3              | 21        |                  |           |
| 0.212            | 15        |                  |           |
| 0.15             | 10        |                  |           |
| 0.063            | 6         |                  |           |

Dry Mass of sample, g

356

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 60.0       |
| Sand               | 34.5       |
| Fines <0.063mm     | 5.0        |

| Grading Analysis       |      |
|------------------------|------|
| D100                   | mm   |
| D60                    | mm   |
| D30                    | mm   |
| D10                    | mm   |
| Uniformity Coefficient | 34   |
| Curvature Coefficient  | 0.38 |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

LAB 30R - Version 1

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP17

Site Name

Kingston Lands, Galway

Sample No.

4

Specimen Description

Dark reddish brown slightly gravelly clayey fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

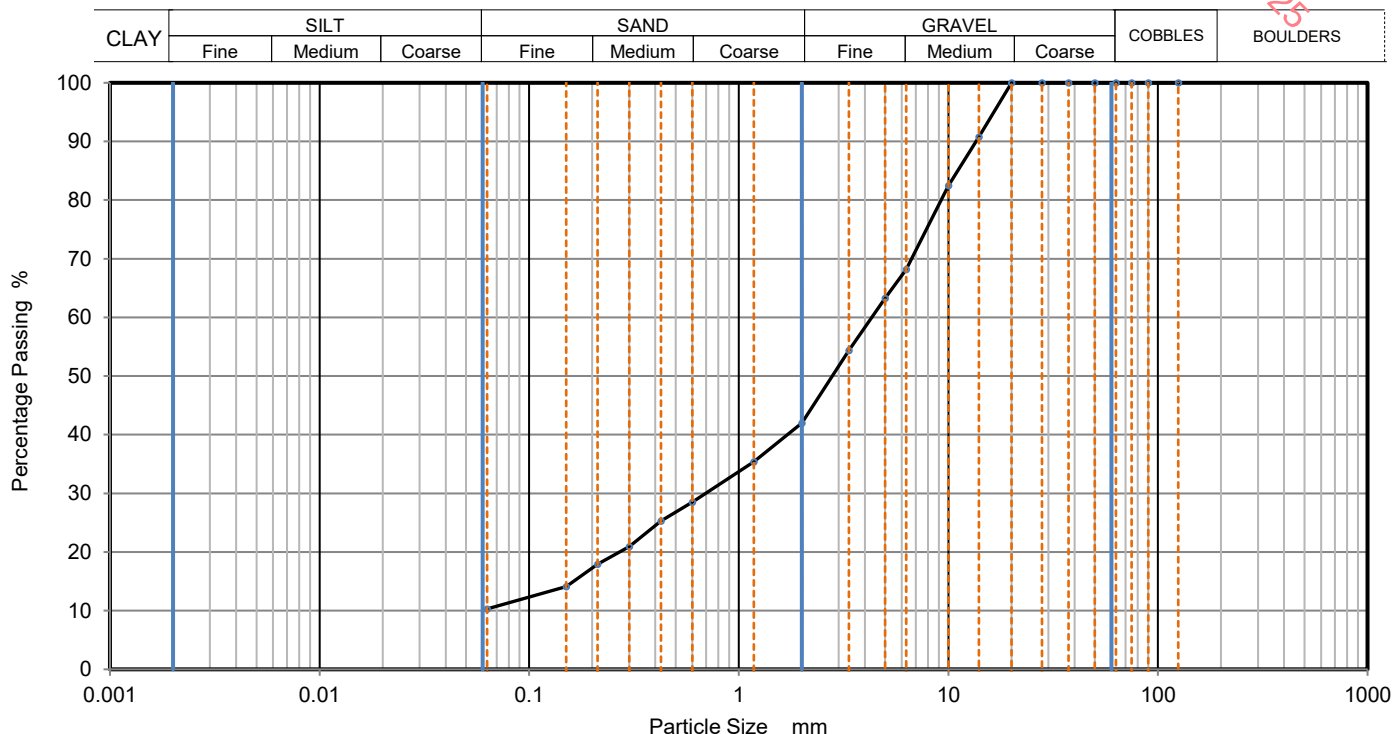
B

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702374



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 91        |                  |           |
| 10               | 83        |                  |           |
| 6.3              | 68        |                  |           |
| 5                | 63        |                  |           |
| 3.35             | 54        |                  |           |
| 2                | 42        |                  |           |
| 1.18             | 35        |                  |           |
| 0.6              | 29        |                  |           |
| 0.425            | 25        |                  |           |
| 0.3              | 21        |                  |           |
| 0.212            | 18        |                  |           |
| 0.15             | 14        |                  |           |
| 0.063            | 10        |                  |           |

Dry Mass of sample, g

251

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 58.0       |
| Sand               | 31.7       |
| Fines <0.063mm     | 10.0       |

| Grading Analysis       |    |
|------------------------|----|
| D100                   | mm |
| D60                    | mm |
| D30                    | mm |
| D10                    | mm |
| Uniformity Coefficient |    |
| Curvature Coefficient  |    |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

LAB 30R - Version 1

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP18

Site Name

Kingston Lands, Galway

Sample No.

6

Specimen Description

Light grey slightly gravelly silty fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

2.00

Specimen Reference

3

Specimen  
Depth

2

m

Sample Type

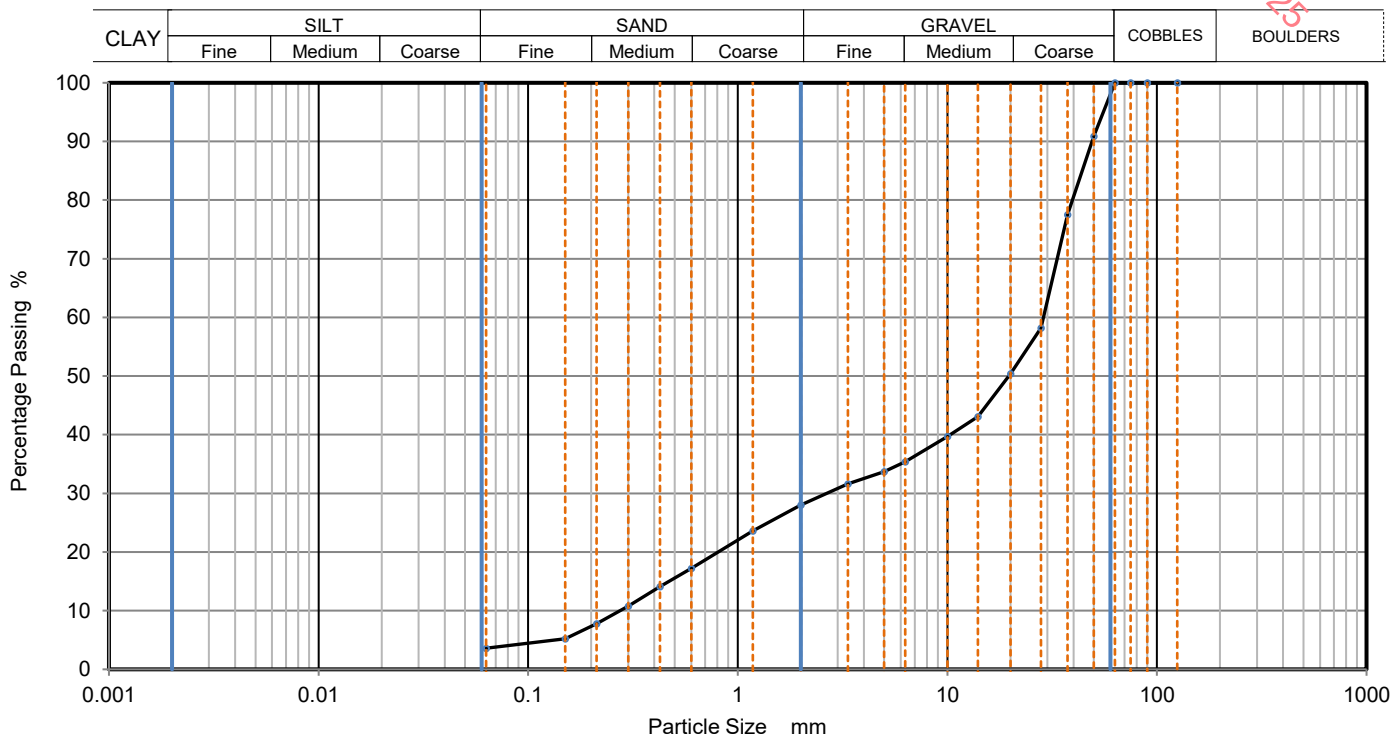
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702379



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 91        |                  |           |
| 37.5             | 78        |                  |           |
| 28               | 58        |                  |           |
| 20               | 50        |                  |           |
| 14               | 43        |                  |           |
| 10               | 40        |                  |           |
| 6.3              | 35        |                  |           |
| 5                | 34        |                  |           |
| 3.35             | 32        |                  |           |
| 2                | 28        |                  |           |
| 1.18             | 24        |                  |           |
| 0.6              | 17        |                  |           |
| 0.425            | 14        |                  |           |
| 0.3              | 11        |                  |           |
| 0.212            | 8         |                  |           |
| 0.15             | 5         |                  |           |
| 0.063            | 4         |                  |           |

Dry Mass of sample, g

4355

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 72.0       |
| Sand               | 24.4       |
| Fines <0.063mm     | 4.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 100 |
| Curvature Coefficient  | 0.9 |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

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## PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP19

Site Name

Kingston Lands, Galway

Sample No.

4

Specimen Description

Light greyish brown slightly gravelly clayey fine to coarse SAND with cobbles.

Sample  
Depth (m)Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

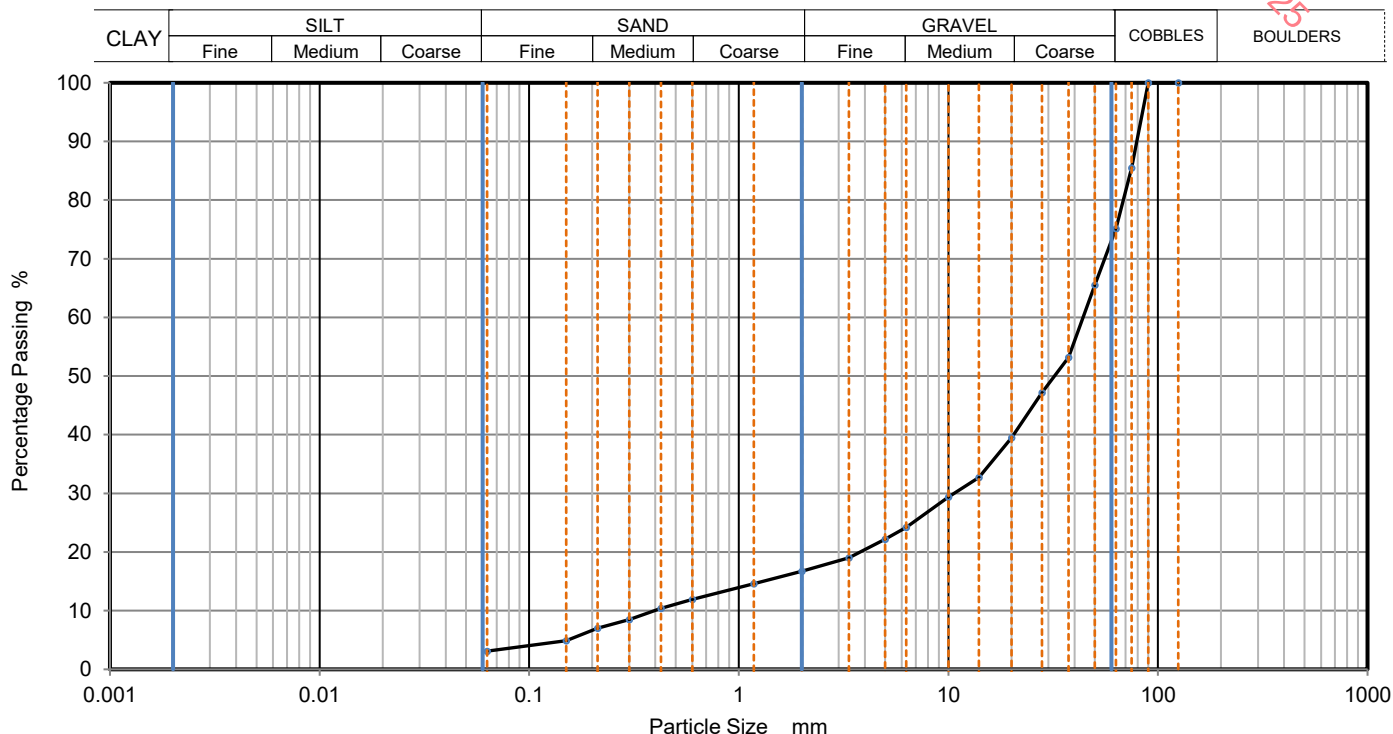
B

Test Method

BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702382



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 86        |                  |           |
| 63               | 75        |                  |           |
| 50               | 66        |                  |           |
| 37.5             | 53        |                  |           |
| 28               | 47        |                  |           |
| 20               | 40        |                  |           |
| 14               | 33        |                  |           |
| 10               | 29        |                  |           |
| 6.3              | 24        |                  |           |
| 5                | 22        |                  |           |
| 3.35             | 19        |                  |           |
| 2                | 17        |                  |           |
| 1.18             | 15        |                  |           |
| 0.6              | 12        |                  |           |
| 0.425            | 10        |                  |           |
| 0.3              | 9         |                  |           |
| 0.212            | 7         |                  |           |
| 0.15             | 5         |                  |           |
| 0.063            | 3         |                  |           |

Dry Mass of sample, g

4954

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 24.9       |
| Gravel             | 58.4       |
| Sand               | 13.6       |
| Fines <0.063mm     | 3.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 110 |
| Curvature Coefficient  | 6.5 |

Remarks

Preparation and testing to BS 1377-2 :2022 CI 10 in accordance with ISO 17892-4:2016

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10122

# PARTICLE SIZE DISTRIBUTION

Job Ref

24-0211

Borehole/Pit No.

TP20

Site Name

Kingston Lands, Galway

Sample No.

4

Specimen Description

Greyish brown slightly gravelly slightly silty fine to coarse SAND.

Sample  
Depth (m)

Top  
Base

1.00

Specimen Reference

3

Specimen  
Depth

1

m

Sample Type

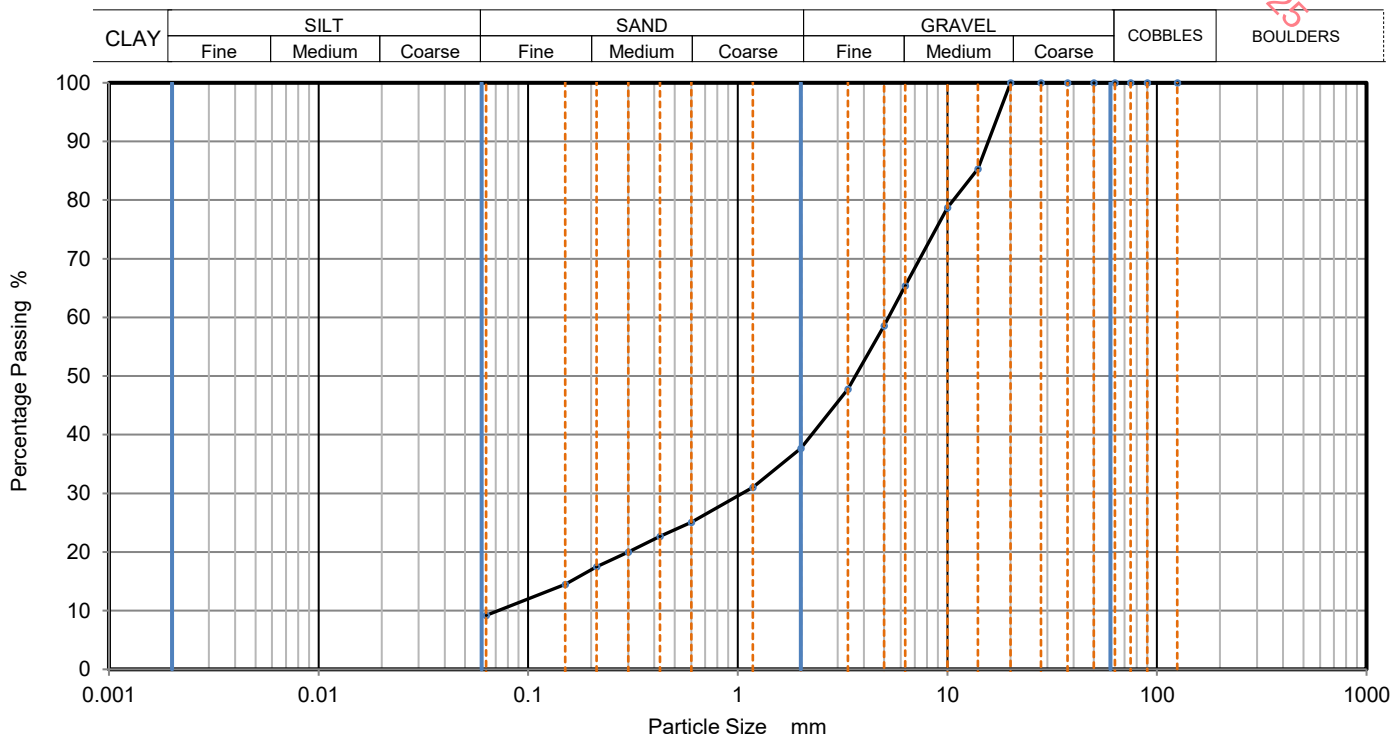
D

Test Method

BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

KeyLAB ID

Caus20250702387



| Sieving          |           | Sedimentation    |           |
|------------------|-----------|------------------|-----------|
| Particle Size mm | % Passing | Particle Size mm | % Passing |
| 125              | 100       |                  |           |
| 90               | 100       |                  |           |
| 75               | 100       |                  |           |
| 63               | 100       |                  |           |
| 50               | 100       |                  |           |
| 37.5             | 100       |                  |           |
| 28               | 100       |                  |           |
| 20               | 100       |                  |           |
| 14               | 85        |                  |           |
| 10               | 79        |                  |           |
| 6.3              | 65        |                  |           |
| 5                | 59        |                  |           |
| 3.35             | 48        |                  |           |
| 2                | 38        |                  |           |
| 1.18             | 31        |                  |           |
| 0.6              | 25        |                  |           |
| 0.425            | 23        |                  |           |
| 0.3              | 20        |                  |           |
| 0.212            | 18        |                  |           |
| 0.15             | 15        |                  |           |
| 0.063            | 9         |                  |           |

Dry Mass of sample, g

833

| Sample Proportions | % dry mass |
|--------------------|------------|
| Cobbles            | 0.0        |
| Gravel             | 62.3       |
| Sand               | 28.5       |
| Fines <0.063mm     | 9.0        |

| Grading Analysis       |     |
|------------------------|-----|
| D100                   | mm  |
| D60                    | mm  |
| D30                    | mm  |
| D10                    | mm  |
| Uniformity Coefficient | 73  |
| Curvature Coefficient  | 2.9 |

Remarks

Preparation and testing to BS 1377-2 :2022 Cl 10 in accordance with ISO 17892-4:2016

Approved

Stephen Watson

LAB 30R - Version 1

# Certificate of Analysis

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**Certificate Number** 25-15592

**Issued:** 21-Jul-25

**Client** Causeway Geotech  
8 Drumahiskey Road  
Ballymoney  
County Antrim  
BT53 7QL

**Our Reference** 25-15592

**Client Reference** ~ 24-0211

**Order No** ~ (not supplied)

**Contract Title** ~ Kingston Lands

**Description** 46 Soil samples.

**Date Received** 09-Jul-25

**Date Started** 09-Jul-25

**Date Completed** 21-Jul-25

**Test Procedures** Identified by prefix DETSn (details on request).

**Notes** Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

**Approved By**



Reyhan Irfan  
Operations Manager



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## Summary of Chemical Analysis

### Soil Samples

Our Ref 25-15592  
 Client Ref ~ 24-0211  
 Contract Title ~ Kingston Lands

| Lab No          | 2535808    | 2535809    | 2535810    | 2535811    | 2535812    | 2535813    | 2535814    | 2535815    | 2535816    | 2535817    | 2535818    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | BH01       | BH02       | BH03       | BH04       | BH05       | BH06       | BH07       | BH07       | BH08       | BH09       | BH10       |
| Depth ~         | 2.50       | 1.20       | 2.50       | 0.00       | 1.20       | 0.00       | 0.00       | 1.70       | 1.00       | 1.20       | 1.00       |
| Other ID ~      | 1          | 5          | 8          | 5          | 5          | 3          | 4          | 5          | 4          | 5          | 4          |
| Sample Type ~   | D          | D          | B          | B          | B          | B          | B          | D          | D          | B          | D          |
| Sampling Date ~ | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method     | LOD  | Units |     |      |     |     |     |      |      |     |     |     |
|---------------------------------------|------------|------|-------|-----|------|-----|-----|-----|------|------|-----|-----|-----|
| <b>Inorganics</b>                     |            |      |       |     |      |     |     |     |      |      |     |     |     |
| Loss on Ignition at 440oC             | DETS 2003# | 0.01 | %     |     |      |     |     |     |      | 71   |     |     |     |
| pH                                    | DETS 2008# |      | pH    | 8.3 | 10.3 | 8.7 | 8.3 | 8.5 | 11.6 |      | 8.5 | 7.4 | 8.8 |
| Organic matter                        | DETS 2002# | 0.1  | %     |     |      |     |     |     |      | > 25 |     |     |     |
| Sulphate Aqueous Extract as SO4 (2:1) | DETS 2076# | 10   | mg/l  | 11  | 53   | 20  | 15  | 29  | 43   |      | 14  | 21  | 15  |

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## Summary of Chemical Analysis Soil Samples

Our Ref 25-15592  
Client Ref ~ 24-0211  
Contract Title ~ Kingston Lands

| Lab No          | 2535819    | 2535820    | 2535821    | 2535822    | 2535823    | 2535824    | 2535825    | 2535826    | 2535827    | 2535828    | 2535829    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | BH11       | BH12       | BH13       | BH14       | BH15       | BH16       | BH17       | BH18       | BH19       | BH20       | BH23       |
| Depth ~         | 1.20       | 0.00       | 0.00       | 1.00       | 1.50       | 0.20       | 1.00       | 2.65       | 0.00       | 0.50       | 2.00       |
| Other ID ~      | 4          | 2          | 1          | 6          | 4          | 2          | 3          | 6          | 1          | 3          | 7          |
| Sample Type ~   | B          | B          | B          | D          | D          | B          | D          | B          | B          | D          | D          |
| Sampling Date ~ | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method      | LOD  | Units |     |     |      |     |     |     |     |      |     |     |     |
|---------------------------------------|-------------|------|-------|-----|-----|------|-----|-----|-----|-----|------|-----|-----|-----|
| <b>Inorganics</b>                     |             |      |       |     |     |      |     |     |     |     |      |     |     |     |
| Loss on Ignition at 440oC             | DETSC 2003# | 0.01 | %     |     |     |      |     |     |     |     |      |     |     |     |
| pH                                    | DETSC 2008# |      | pH    | 8.4 | 8.6 | 11.4 | 8.4 | 9.0 | 6.9 | 8.3 | 7.8  | 6.0 | 9.0 | 7.9 |
| Organic matter                        | DETSC 2002# | 0.1  | %     |     |     |      |     |     |     |     |      |     |     |     |
| Sulphate Aqueous Extract as SO4 (2:1) | DETSC 2076# | 10   | mg/l  | 18  | 15  | 62   | 15  | 14  | 14  | 13  | < 10 | 160 | 13  | 15  |

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## Summary of Chemical Analysis Soil Samples

Our Ref 25-15592  
Client Ref ~ 24-0211  
Contract Title ~ Kingston Lands

| Lab No          | 2535830    | 2535831    | 2535832    | 2535833    | 2535834    | 2535835    | 2535836    | 2535837    | 2535838    | 2535839    | 2535840    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | BH24       | BH25       | BH26       | SL04       | TP01       | TP02       | TP03       | TP04       | TP05       | TP06       | TP07       |
| Depth ~         | 0.50       | 0.50       | 2.00       | 1.40       | 1.00       | 2.00       | 2.00       | 2.00       | 1.00       | 0.45       | 2.00       |
| Other ID ~      | 4          | 1          | 7          | 1          | 3          | 4          | 4          | 6          | 3          | 3          | 6          |
| Sample Type ~   | B          | B          | D          | B          | D          | D          | D          | D          | D          | D          | D          |
| Sampling Date ~ | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method     | LOD  | Units |     |      |     |    |     |     |     |     |     |     |     |
|---------------------------------------|------------|------|-------|-----|------|-----|----|-----|-----|-----|-----|-----|-----|-----|
| <b>Inorganics</b>                     |            |      |       |     |      |     |    |     |     |     |     |     |     |     |
| Loss on Ignition at 440oC             | DETS 2003# | 0.01 | %     |     |      |     |    |     |     |     |     |     |     |     |
| pH                                    | DETS 2008# |      | pH    | 8.3 | 8.3  | 8.4 |    | 8.3 | 8.4 | 7.9 | 8.2 | 7.9 | 8.5 | 7.7 |
| Organic matter                        | DETS 2002# | 0.1  | %     |     |      |     | 25 |     |     |     |     |     |     |     |
| Sulphate Aqueous Extract as SO4 (2:1) | DETS 2076# | 10   | mg/l  | 15  | < 10 | 10  |    | 12  | 56  | 110 | 91  | 15  | 16  | 14  |

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## Summary of Chemical Analysis Soil Samples

Our Ref 25-15592  
Client Ref ~ 24-0211  
Contract Title ~ Kingston Lands

| Lab No          | 2535841    | 2535842    | 2535843    | 2535844    | 2535845    | 2535846    | 2535847    | 2535848    | 2535849    | 2535850    | 2535851    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | TP08       | TP09       | TP10       | TP11       | TP12       | TP13       | TP14       | TP15       | TP16       | TP17       | TP18       |
| Depth ~         | 0.40       | 1.40       | 0.60       | 3.00       | 2.00       | 0.40       | 0.90       | 2.00       | 1.90       | 1.00       | 2.00       |
| Other ID ~      | 3          | 6          | 2          | 4          | 4          | 2          | 1          | 10         | 6          | 3          | 4          |
| Sample Type ~   | D          | D          | D          | D          | D          | D          | D          | D          | D          | D          | D          |
| Sampling Date ~ | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 | 08/07/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method     | LOD  | Units |     |     |     |      |     |     |     |      |      |      |     |
|---------------------------------------|------------|------|-------|-----|-----|-----|------|-----|-----|-----|------|------|------|-----|
| <b>Inorganics</b>                     |            |      |       |     |     |     |      |     |     |     |      |      |      |     |
| Loss on Ignition at 440oC             | DETS 2003# | 0.01 | %     |     |     |     |      |     |     |     |      |      |      |     |
| pH                                    | DETS 2008# |      | pH    | 7.0 | 8.1 | 7.8 | 8.5  | 7.9 | 8.2 | 7.1 | 8.0  | 7.5  | 6.7  | 7.7 |
| Organic matter                        | DETS 2002# | 0.1  | %     |     |     |     |      |     |     |     |      |      |      |     |
| Sulphate Aqueous Extract as SO4 (2:1) | DETS 2076# | 10   | mg/l  | 14  | 52  | 10  | < 10 | 11  | 12  | 13  | < 10 | < 10 | < 10 | 12  |

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## Summary of Chemical Analysis

### Soil Samples

Our Ref 25-15592  
 Client Ref ~ 24-0211  
 Contract Title ~ Kingston Lands

|                 |            |            |
|-----------------|------------|------------|
| Lab No          | 2535852    | 2535853    |
| Sample ID ~     | TP19       | TP20       |
| Depth ~         | 1.55       | 0.70       |
| Other ID ~      | 5          | 3          |
| Sample Type ~   | D          | D          |
| Sampling Date ~ | 08/07/2025 | 08/07/2025 |
| Sampling Time ~ | n/s        | n/s        |

| Test                                  | Method      | LOD  | Units |      |     |
|---------------------------------------|-------------|------|-------|------|-----|
| <b>Inorganics</b>                     |             |      |       |      |     |
| Loss on Ignition at 440oC             | DETSC 2003# | 0.01 | %     |      |     |
| pH                                    | DETSC 2008# |      | pH    | 7.8  | 8.5 |
| Organic matter                        | DETSC 2002# | 0.1  | %     |      |     |
| Sulphate Aqueous Extract as SO4 (2:1) | DETSC 2076# | 10   | mg/l  | < 10 | 11  |

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## Information in Support of the Analytical Results

Our Ref 25-15592  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands

### Containers Received & Deviating Samples

| Lab No  | Sample ID ~    | Date<br>Sampled ~ | Containers Received | Holding time<br>exceeded for tests | Incorrect<br>container for tests |
|---------|----------------|-------------------|---------------------|------------------------------------|----------------------------------|
| 2535808 | BH01 2.50 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535809 | BH02 1.20 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535810 | BH03 2.50 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535811 | BH04 0.00 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535812 | BH05 1.20 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535813 | BH06 0.00 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535814 | BH07 0.00 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535815 | BH07 1.70 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535816 | BH08 1.00 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535817 | BH09 1.20 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535818 | BH10 1.00 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535819 | BH11 1.20 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535820 | BH12 0.00 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535821 | BH13 0.00 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535822 | BH14 1.00 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535823 | BH15 1.50 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535824 | BH16 0.20 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535825 | BH17 1.00 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535826 | BH18 2.65 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535827 | BH19 0.00 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535828 | BH20 0.50 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535829 | BH23 2.00 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535830 | BH24 0.50 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535831 | BH25 0.50 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |
| 2535832 | BH26 2.00 SOIL | 08/07/25          | PT 500ml            |                                    |                                  |

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## Information in Support of the Analytical Results

Our Ref 25-15592  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands

| Lab No  | Sample ID ~    | Date Sampled ~ | Containers Received | Holding time exceeded for tests | Incorrect container for tests |
|---------|----------------|----------------|---------------------|---------------------------------|-------------------------------|
| 2535833 | SL04 1.40 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535834 | TP01 1.00 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535835 | TP02 2.00 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535836 | TP03 2.00 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535837 | TP04 2.00 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535838 | TP05 1.00 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535839 | TP06 0.45 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535840 | TP07 2.00 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535841 | TP08 0.40 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535842 | TP09 1.40 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535843 | TP10 0.60 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535844 | TP11 3.00 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535845 | TP12 2.00 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535846 | TP13 0.40 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535847 | TP14 0.90 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535848 | TP15 2.00 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535849 | TP16 1.90 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535850 | TP17 1.00 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535851 | TP18 2.00 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535852 | TP19 1.55 SOIL | 08/07/25       | PT 500ml            |                                 |                               |
| 2535853 | TP20 0.70 SOIL | 08/07/25       | PT 500ml            |                                 |                               |

Key: P-Plastic T-Tub

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

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## Information in Support of the Analytical Results

Our Ref 25-15592  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve  
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.  
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-  
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

RECEIVED: 16/10/2025

## Information in Support of the Analytical Results

*Our Ref* 25-15592  
*Client Ref* ~ 24-0211  
*Contract* ~ Kingston Lands

### Key:

~ Sample details are provided by the client and can affect the validity of the results  
\* -not accredited.  
# -MCERTS (accreditation only applies if report carries the MCERTS logo).  
\$ -subcontracted.  
n/s -not supplied.  
I/S -insufficient sample.  
U/S -unsuitable sample.  
t/f -to follow.  
nd -not detected.

**End of Report** Ver 25.03.07

## LABORATORY RESTRICTION REPORT

|                   |                        |          |                            |
|-------------------|------------------------|----------|----------------------------|
| Project Reference | 24-0211                | To       | Matthew Gilbert            |
| Project Name      | Kingston Lands, Galway | Position | Project Manager            |
| TR reference      | 24-0211 /              | From     | Joseph Nicholl             |
|                   |                        | Position | Laboratory Quality Manager |

The following sample(s) and test(s) are restricted as detailed below. Could you please complete the "Required Action" column and return the completed form to the laboratory.

| Hole Number | Sample |           |      | Test Type        | Reason for Restriction                                          | Required Action |
|-------------|--------|-----------|------|------------------|-----------------------------------------------------------------|-----------------|
|             | Number | Depth (m) | Type |                  |                                                                 |                 |
| TP11        | 5      | 1.00      | D    | Atterberg limits | Insufficient material passing 425 $\mu$ sieve to carry out test | Cancel Test     |
| TP07        | 12     | 3.00      | B    | Atterberg limits | GRAVEL - Insufficient fines                                     | Cancel Test     |
|             |        |           |      |                  |                                                                 |                 |
|             |        |           |      |                  |                                                                 |                 |
|             |        |           |      |                  |                                                                 |                 |
|             |        |           |      |                  |                                                                 |                 |
|             |        |           |      |                  |                                                                 |                 |
|             |        |           |      |                  |                                                                 |                 |
|             |        |           |      |                  |                                                                 |                 |
|             |        |           |      |                  |                                                                 |                 |

For electronic reporting a form of electronic signature or printed name is acceptable

|                                        |                                              |
|----------------------------------------|----------------------------------------------|
| Laboratory Signature<br>Joseph Nicholl | Project Manager Signature<br>Matthew Gilbert |
| Date<br>16 July 2025                   | Date<br>16 July 2025                         |



## SOIL AND ROCK SAMPLE ANALYSIS LABORATORY TEST REPORT

22 July 2025

RECEIVED: 16/10/2025

|                |                        |
|----------------|------------------------|
| PROJECT NAME   | Kingston Lands, Galway |
| PROJECT NUMBER | 24-0211                |
| CLIENT         | King Construction      |
| ENGINEER       | TOBIN / MKO            |

We are pleased to attach the results of laboratory testing carried out for the above project. This memo and its attachments constitute a report of the results of tests as detailed in the Contents page(s). This testing was performed between 27/06/2025 and 22/07/2025.

The attached results complete the testing requested and we would therefore wish to confirm that samples will be retained without charge for a period of 28 days from the above date after which they will be appropriately disposed of unless we receive written instructions to the contrary prior to that date.

We trust our report meets with your approval but if you have any queries or require additional information, please do not hesitate to contact the undersigned.

Stephen Watson

Laboratory Manager

Signed for and on behalf of Causeway Geotech Ltd





**PROJECT NAME:** Kingston Lands, Galway

**REPORT REFERENCE:** Rock Schedule 1

The table below details the tests carried out, the specifications used, and the number of tests included in this report. Tests marked with\* in this report are not United Kingdom Accreditation Service (UKAS) accredited and are not included in Causeway Geotech Limited's scope of UKAS Accreditation Schedule of Tests.

The results contained in this report relate to the sample(s) as received. Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This report shall not be reproduced other than in full, without the prior written approval of the laboratory.

| Material tested | Type of test/Properties measured/Range of measurement | Standard specifications                                                                                                                   | No. of results included in the report |
|-----------------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| ROCK            | Point load index                                      | <i>ISRM Commission on Testing Methods. Suggested Method for Determining Point Load Strength 1985</i>                                      | 10                                    |
| ROCK            | Uniaxial Compressive Strength (UCS)                   | <i>The Complete ISRM Suggested Methods – Rock Characterization Testing and Monitoring 1974 – 2006, Editors: R Ulusay &amp; J A Hudson</i> | 3                                     |



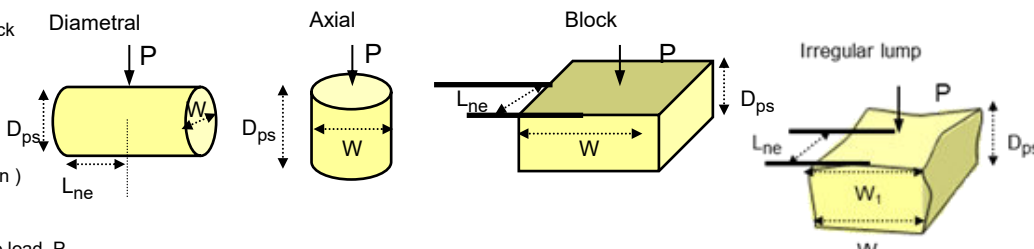
## Point Load Strength Index Tests Summary of Results

| Project No.  |            |      |      | Project Name           |            |           |                      |                          |                     |                       |         |                       |                        |               |                                           |                           |                            |                                                  |
|--------------|------------|------|------|------------------------|------------|-----------|----------------------|--------------------------|---------------------|-----------------------|---------|-----------------------|------------------------|---------------|-------------------------------------------|---------------------------|----------------------------|--------------------------------------------------|
| 24-0211      |            |      |      | Kingston Lands, Galway |            |           |                      |                          |                     |                       |         |                       |                        |               |                                           |                           |                            |                                                  |
| Borehole No. | Sample     |      |      | Specimen               |            | Rock Type | Test Type see ISRM   |                          | Failure Valid (Y/N) | Dimensions            |         |                       |                        | Force P<br>kN | Equivalent diameter, D <sub>e</sub><br>mm | Point Load Strength Index |                            | Remarks<br>(including water content if measured) |
|              | Depth<br>m | Ref. | Type | Ref.                   | Depth<br>m |           | Type<br>(D, A, I, B) | Direction<br>(L, P or U) |                     | L <sub>ne</sub><br>mm | W<br>mm | D <sub>ps</sub><br>mm | D <sub>ps'</sub><br>mm |               |                                           | I <sub>s</sub><br>MPa     | I <sub>s</sub> (50)<br>MPa |                                                  |
| BH01         | 4.20       | 1    | C    | 2                      | 4.20       | GRANITE   | A                    | U                        | YES                 |                       | 101.3   | 72.0                  | 69.0                   | 16.6          | 94.3                                      | 1.9                       | 2.5                        |                                                  |
| BH01         | 5.10       | 3    | C    | 2                      | 5.10       | GRANITE   | A                    | U                        | YES                 |                       | 101.2   | 82.0                  | 79.0                   | 12.3          | 100.9                                     | 1.2                       | 1.7                        |                                                  |
| BH19         | 2.80       | 1    | C    | 2                      | 2.80       | GRANITE   | D                    | U                        | YES                 | 84.8                  | 101.3   | 101.3                 | 99.0                   | 19.7          | 100.1                                     | 2.0                       | 2.7                        |                                                  |
| BH19         | 3.50       | 2    | C    | 2                      | 3.50       | GRANITE   | A                    | U                        | YES                 |                       | 101.4   | 91.0                  | 90.0                   | 27.0          | 107.8                                     | 2.3                       | 3.3                        |                                                  |
| BH19         | 4.00       | 3    | C    | 2                      | 4.00       | GRANITE   | D                    | U                        | NO                  | 59.5                  | 101.5   | 101.5                 | 99.0                   | 55.4          | 100.2                                     | 5.5                       | 7.5                        |                                                  |
| BH25A        | 2.80       | 1    | C    | 2                      | 2.80       | GRANITE   | I                    | U                        | YES                 | 44.8                  | 64.3    | 100.0                 | 98.0                   | 34.9          | 89.5                                      | 4.4                       | 5.7                        |                                                  |
| BH25A        | 3.70       | 2    | C    | 2                      | 3.70       | GRANITE   | A                    | U                        | YES                 |                       | 100.9   | 59.0                  | 56.0                   | 31.4          | 84.8                                      | 4.4                       | 5.5                        |                                                  |
| BH25A        | 4.20       | 3    | C    | 2                      | 4.20       | GRANITE   | D                    | U                        | YES                 | 58.3                  | 100.8   | 1008.0                | 98.0                   | 37.6          | 99.4                                      | 3.8                       | 5.2                        |                                                  |
| BH25A        | 4.90       | 4    | C    | 2                      | 4.90       | GRANITE   | A                    | U                        | YES                 |                       | 100.8   | 85.0                  | 82.0                   | 35.9          | 102.6                                     | 3.4                       | 4.7                        |                                                  |
| BH25A        | 5.80       | 5    | C    | 2                      | 5.80       | GRANITE   | A                    | U                        | YES                 |                       | 100.7   | 94.0                  | 93.0                   | 12.8          | 109.2                                     | 1.1                       | 1.5                        |                                                  |
|              |            |      |      |                        |            |           |                      |                          |                     |                       |         |                       |                        |               |                                           |                           |                            |                                                  |
|              |            |      |      |                        |            |           |                      |                          |                     |                       |         |                       |                        |               |                                           |                           |                            |                                                  |
|              |            |      |      |                        |            |           |                      |                          |                     |                       |         |                       |                        |               |                                           |                           |                            |                                                  |
|              |            |      |      |                        |            |           |                      |                          |                     |                       |         |                       |                        |               |                                           |                           |                            |                                                  |
|              |            |      |      |                        |            |           |                      |                          |                     |                       |         |                       |                        |               |                                           |                           |                            |                                                  |
|              |            |      |      |                        |            |           |                      |                          |                     |                       |         |                       |                        |               |                                           |                           |                            |                                                  |
|              |            |      |      |                        |            |           |                      |                          |                     |                       |         |                       |                        |               |                                           |                           |                            |                                                  |
|              |            |      |      |                        |            |           |                      |                          |                     |                       |         |                       |                        |               |                                           |                           |                            |                                                  |
|              |            |      |      |                        |            |           |                      |                          |                     |                       |         |                       |                        |               |                                           |                           |                            |                                                  |
|              |            |      |      |                        |            |           |                      |                          |                     |                       |         |                       |                        |               |                                           |                           |                            |                                                  |

**Test Type**  
D - Diametral, A - Axial, I - Irregular Lump, B - Block

**Direction**  
L - parallel to planes of weakness  
P - perpendicular to planes of weakness  
U - unknown or random

**Dimensions**  
D<sub>ps</sub> - Distance between platens (platen separation)  
D<sub>ps'</sub> - at failure ( see ISRM note 6)  
L<sub>ne</sub> - Length from platens to nearest free end  
W - Width of shortest dimension perpendicular to load, P



|                                                                                                                                                                                                                                       |  |                                |                                   |                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------|
| Test performed in accordance with ISRM Suggested Methods : 1985, unless noted otherwise<br><br>Detailed legend for test and dimensions, based on ISRM, is shown above.<br><br>Size factor, F = (De/50) <sup>0.45</sup> for all tests. |  | Date Printed<br><br>22/07/2025 | Approved By<br><br>Stephen Watson | <br>10122 |
| LAB 17R - Version 5                                                                                                                                                                                                                   |  |                                |                                   |                                                                                                |



**UNIAXIAL COMPRESSIVE STRENGTH**  
**ISRM Suggested Methods - Rock Characterization Testing and Monitoring 1974 - 2006**

|                    |                                                                                                                                                    |                 |            |                |                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|----------------|----------------|
| Site Name          | Kingston Lands, Galway                                                                                                                             |                 |            | Project number | 24-0211        |
| Sample Description | GRANITE                                                                                                                                            |                 |            | Location ID    | BH01           |
| Sample Type        | C                                                                                                                                                  | Sample number   | 2          | Top Depth      | 4.70           |
| Date of sampling   | NOT KNOWN                                                                                                                                          | Date of receipt | 18/07/2025 | Base Depth     | 4.95           |
| Test Method        | International Society for Rock Mechanics, The complete ISRM suggested methods for Rock Characterization Testing and Monitoring, 2007, p153, part 1 |                 |            | Keylab ID      | Caus2025071163 |

**Specimen Details**

|                          |       |       |
|--------------------------|-------|-------|
| Test number              | 1     |       |
| Diameter                 | 101.2 | mm    |
| Height                   | 178.3 | mm    |
| Water Content            | 0.2   | %     |
| Sample Mass              | 3824  | g     |
| Bulk Density             | 2.67  | Mg/m3 |
| Dry Density              | 2.66  | Mg/m3 |
| Length to Diameter Ratio | 1.8   |       |

**Specimen Remarks**

Specimen did not meet the ISRM length to diameter requirements. Non-standard testing carried out.

**Test Results**

|                                 |                       |       |
|---------------------------------|-----------------------|-------|
| Load Frame                      | LF01                  |       |
| Test Supplier                   | Impact Test Equipment |       |
| Test Machine                    | L101                  |       |
| Test Date                       | 21/07/2025            |       |
| Test Duration                   | 61.0                  | Secs  |
| Orientation of sample           | VERTICAL              |       |
| Rate of Strain                  | 0.76                  | MPa/s |
| Strain at Failure               | 420.6                 | kN    |
| Unconfined Compressive Strength | 52.30                 | MPa   |
| Mode of failure                 | multiple shear        |       |

**Test Remarks**

Approved

Stephen Watson



10122



**UNIAXIAL COMPRESSIVE STRENGTH**  
**ISRM Suggested Methods - Rock Characterization Testing and Monitoring 1974 - 2006**

|                    |                                                                                                                                                    |                 |            |                |                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|----------------|----------------|
| Site Name          | Kingston Lands, Galway                                                                                                                             |                 |            | Project number | 24-0211        |
| Sample Description | GRANITE                                                                                                                                            |                 |            | Location ID    | BH01           |
| Sample Type        | C                                                                                                                                                  | Sample number   | 4          | Top Depth      | 5.90           |
| Date of sampling   | NOT KNOWN                                                                                                                                          | Date of receipt | 21/07/2025 | Base Depth     | 6.20           |
| Test Method        | International Society for Rock Mechanics, The complete ISRM suggested methods for Rock Characterization Testing and Monitoring, 2007, p153, part 1 |                 |            | Keylab ID      | Caus2025071165 |

**Specimen Details**

|                          |       |       |
|--------------------------|-------|-------|
| Test number              | 1     |       |
| Diameter                 | 101.5 | mm    |
| Height                   | 158.7 | mm    |
| Water Content            | 0.3   | %     |
| Sample Mass              | 3270  | g     |
| Bulk Density             | 2.55  | Mg/m3 |
| Dry Density              | 2.54  | Mg/m3 |
| Length to Diameter Ratio | 1.6   |       |

**Specimen Remarks**

Specimen did not meet the ISRM length to diameter requirements. Non-standard testing carried out.

**Test Results**

|                                 |                       |       |
|---------------------------------|-----------------------|-------|
| Load Frame                      | LF01                  |       |
| Test Supplier                   | Impact Test Equipment |       |
| Test Machine                    | L101                  |       |
| Test Date                       | 18/07/2025            |       |
| Test Duration                   | 22.0                  | Secs  |
| Orientation of sample           | VERTICAL              |       |
| Rate of Strain                  | 0.75                  | MPa/s |
| Strain at Failure               | 240.3                 | kN    |
| Unconfined Compressive Strength | 29.70                 | MPa   |
| Mode of failure                 | multiple shear        |       |

**Test Remarks**

Approved

Stephen Watson



10122



**UNIAXIAL COMPRESSIVE STRENGTH**  
**ISRM Suggested Methods - Rock Characterization Testing and Monitoring 1974 - 2006**

|                    |                                                                                                                                                    |                 |            |                |                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|----------------|----------------|
| Site Name          | Kingston Lands, Galway                                                                                                                             |                 |            | Project number | 24-0211        |
| Sample Description | GRANITE                                                                                                                                            |                 |            | Location ID    | BH19           |
| Sample Type        | C                                                                                                                                                  | Sample number   | 4          | Top Depth      | 5.20           |
| Date of sampling   | NOT KNOWN                                                                                                                                          | Date of receipt | 21/07/2025 | Base Depth     | 5.60           |
| Test Method        | International Society for Rock Mechanics, The complete ISRM suggested methods for Rock Characterization Testing and Monitoring, 2007, p153, part 1 |                 |            | Keylab ID      | Caus2025071169 |

**Specimen Details**

|                          |       |       |
|--------------------------|-------|-------|
| Test number              | 1     |       |
| Diameter                 | 101.6 | mm    |
| Height                   | 226.1 | mm    |
| Water Content            | 0.2   | %     |
| Sample Mass              | 4866  | g     |
| Bulk Density             | 2.65  | Mg/m3 |
| Dry Density              | 2.64  | Mg/m3 |
| Length to Diameter Ratio | 2.2   |       |

**Specimen Remarks**

|  |
|--|
|  |
|--|

**Test Results**

|                                 |                       |       |
|---------------------------------|-----------------------|-------|
| Load Frame                      | LF01                  |       |
| Test Supplier                   | Impact Test Equipment |       |
| Test Machine                    | L101                  |       |
| Test Date                       | 18/07/2025            |       |
| Test Duration                   | 266.0                 | Secs  |
| Orientation of sample           | VERTICAL              |       |
| Rate of Strain                  | 0.75                  | MPa/s |
| Strain at Failure               | 932.1                 | kN    |
| Unconfined Compressive Strength | 115.00                | MPa   |
| Mode of failure                 | fragmented            |       |

**Test Remarks**

|  |
|--|
|  |
|--|

Approved

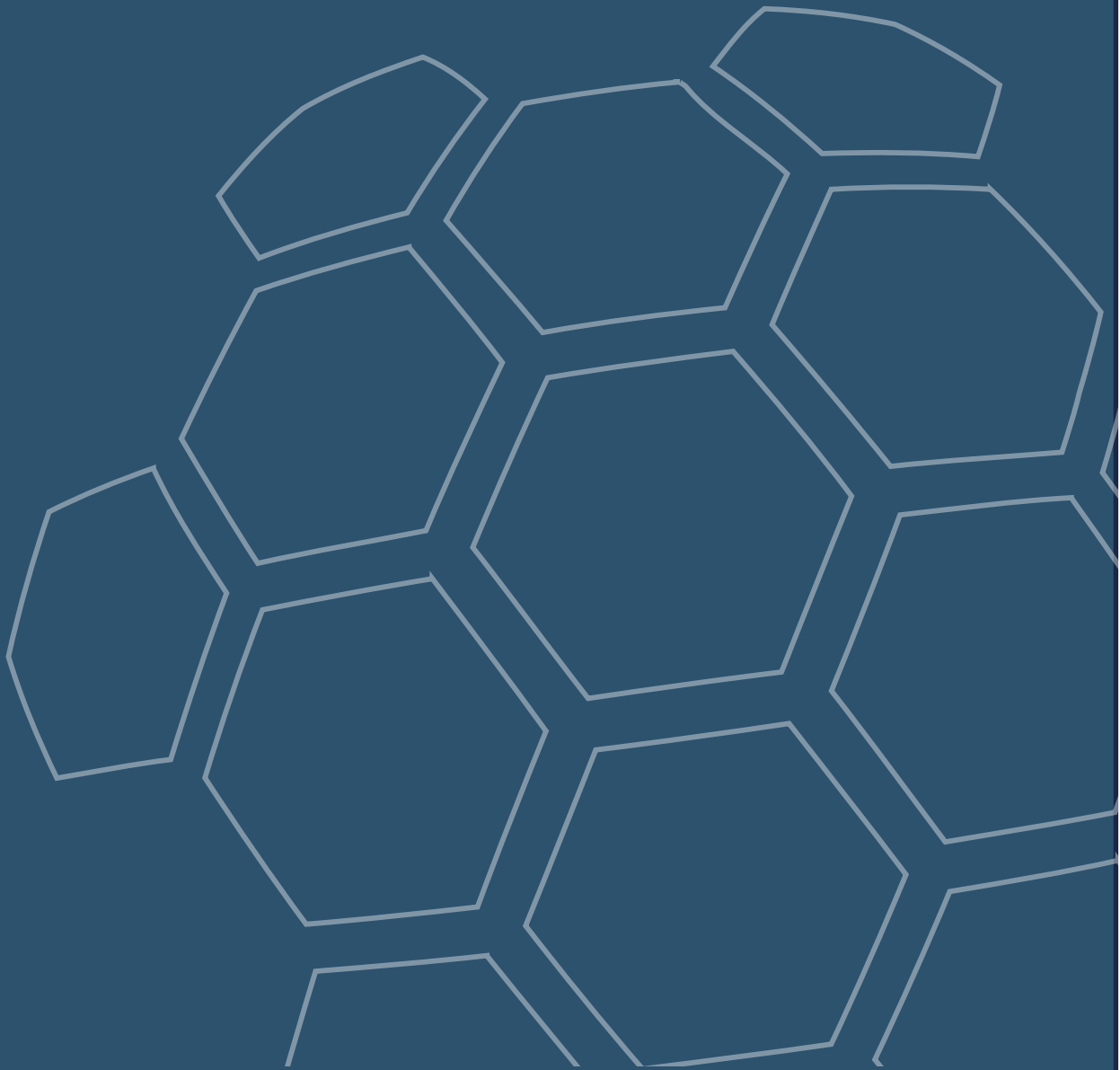
Stephen Watson



10122

# APPENDIX M – ENVIRONMENTAL LABORATORY TEST RESULTS

RECEIVED: 16/10/2025



# Certificate of Analysis

RECEIVED: 16/10/2025

**Certificate Number** 25-12536

**Issued:** 19-Jun-25

**Client** Causeway Geotech  
Unit 1 Fingal House  
Stephenstown Industrial Estate  
Balbriggan  
Co. Dublin  
K32 VR66

**Our Reference** 25-12536

**Client Reference ~** 24-0211

**Order No ~** (not supplied)

**Contract Title ~** Kingston Lands Galway

**Description** 6 Soil samples, 6 Leachate prepared by DETS samples.

**Date Received** 04-Jun-25

**Date Started** 04-Jun-25

**Date Completed** 19-Jun-25

**Test Procedures** Identified by prefix DETSn (details on request).

**Notes** Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

**Approved By**



Adam Geddes  
Laboratory Manager



Sample Deviations present. See Deviation Table Section for details.

Normec DETS Limited

Unit 2, Park Road Industrial Estate South, Consett, Co Durham, DH8 5PY  
Tel: 01207 582333 • email: [info-dets@normecgroup.com](mailto:info-dets@normecgroup.com) • [normecdets.com](http://normecdets.com)

# Summary of Chemical Analysis Soil Samples

Our Ref 25-12536

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

RECEIVED: 16/10/2025

| Lab No          | 2518592    | 2518593    | 2518594    | 2518595    | 2518596    | 2518597    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | ETP04      | ETP06      | TP10a      | TP11       | TP12       | TP13a      |
| Depth ~         | 1.00       | 0.50       | 0.40       | 0.50       | 0.50       | 0.50       |
| Other ID ~      | 3          | 1          | 6          | 1          | 1          | 1          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 23/05/2025 | 23/05/2025 | 23/05/2025 | 23/05/2025 | 23/05/2025 | 23/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                | Method      | LOD  | Units |         |         |         |         |         |         |
|-------------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|
| <b>Preparation</b>                  |             |      |       |         |         |         |         |         |         |
| Moisture Content                    | DETSC 1004  | 0.1  | %     | 37      | 3.6     | 13      | 7.3     | 4.5     | 5.3     |
| <b>Metals</b>                       |             |      |       |         |         |         |         |         |         |
| Antimony                            | DETSC 2301* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Arsenic                             | DETSC 2301# | 0.2  | mg/kg | 3.0     | 1.2     | 3.3     | 1.4     | 1.0     | 1.2     |
| Barium                              | DETSC 2301# | 1.5  | mg/kg | 19      | 12      | 17      | 8.4     | 7.0     | 5.9     |
| Boron, Water Soluble (2.5:1)        | DETSC 2311# | 0.2  | mg/kg | 0.9     | 0.3     | 0.9     | < 0.2   | < 0.2   | < 0.2   |
| Cadmium                             | DETSC 2301# | 0.1  | mg/kg | 0.4     | < 0.1   | 0.2     | 0.1     | < 0.1   | < 0.1   |
| Chromium                            | DETSC 2301# | 0.15 | mg/kg | 4.0     | 2.2     | 2.2     | 4.3     | 3.1     | 3.9     |
| Chromium III                        | DETSC 2301* | 0.15 | mg/kg | 4.0     | 2.2     | 2.2     | 4.3     | 3.1     | 3.9     |
| Chromium, Hexavalent                | DETSC 2204* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Copper                              | DETSC 2301# | 0.2  | mg/kg | 31      | 6.4     | 14      | 13      | 9.7     | 4.7     |
| Lead                                | DETSC 2301# | 0.3  | mg/kg | 18      | 16      | 22      | 20      | 15      | 10      |
| Mercury                             | DETSC 2325# | 0.05 | mg/kg | < 0.05  | < 0.05  | 0.05    | < 0.05  | < 0.05  | < 0.05  |
| Molybdenum                          | DETSC 2301# | 0.4  | mg/kg | 8.7     | 1.0     | 2.0     | 0.5     | 0.5     | < 0.4   |
| Nickel                              | DETSC 2301# | 1    | mg/kg | 3.1     | 1.4     | 2.0     | 3.8     | 3.3     | 2.8     |
| Selenium                            | DETSC 2301# | 0.5  | mg/kg | 0.7     | < 0.5   | < 0.5   | < 0.5   | < 0.5   | < 0.5   |
| Zinc                                | DETSC 2301# | 1    | mg/kg | 58      | 22      | 24      | 42      | 25      | 28      |
| <b>Inorganics</b>                   |             |      |       |         |         |         |         |         |         |
| pH                                  | DETSC 2008# |      | pH    | 7.1     | 8.4     | 8.5     | 8.7     | 6.8     | 6.7     |
| Cyanide, Total                      | DETSC 2130# | 0.1  | mg/kg | 0.4     | 0.1     | 0.6     | < 0.1   | 0.2     | 0.2     |
| Total Organic Carbon                | DETSC 2084# | 0.5  | %     | 13      | 1.1     | 7.6     | 0.7     | 1.1     | 1.3     |
| Sulphide                            | DETSC 2024* | 10   | mg/kg | 60      | < 10    | < 10    | 12      | 20      | < 10    |
| Sulphur (free)                      | DETSC 3049# | 0.75 | mg/kg | 3.2     | 1.1     | 1.4     | 1.1     | 1.1     | 1.1     |
| Sulphate as SO <sub>4</sub> , Total | DETSC 2321# | 0.01 | %     | 0.22    | 0.02    | 0.09    | 0.01    | 0.02    | 0.02    |
| <b>Petroleum Hydrocarbons</b>       |             |      |       |         |         |         |         |         |         |
| Aliphatic C5-C6: HS_1D_AL           | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C6-C8: HS_1D_AL           | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C8-C10: HS_1D_AL          | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic >EC10-EC12: EH_2D_AL      | DETSC 3521# | 1.5  | mg/kg | 2.79    | 2.20    | 2.11    | 2.26    | 2.02    | 2.10    |
| Aliphatic >EC12-EC16: EH_2D_AL      | DETSC 3521# | 1.2  | mg/kg | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  |
| Aliphatic >EC16-EC21: EH_2D_AL      | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC21-EC35: EH_2D_AL      | DETSC 3521# | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC35-EC40: EH_2D_AL      | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC40-EC44: EH_2D_AL      | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic C5-C44: EH_2D+HS_1D_AL    | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Aromatic C5-C7: HS_1D_AR            | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C7-C8: HS_1D_AR            | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C8-C10: HS_1D_AR           | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic >EC10-EC12: EH_2D_AR       | DETSC 3521# | 0.9  | mg/kg | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  |
| Aromatic >EC12-EC16: EH_2D_AR       | DETSC 3521# | 0.5  | mg/kg | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  |
| Aromatic >EC16-EC21: EH_2D_AR       | DETSC 3521# | 0.6  | mg/kg | 1.88    | 0.97    | 1.29    | 0.69    | 0.85    | 0.79    |

# Summary of Chemical Analysis Soil Samples

Our Ref 25-12536

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

RECEIVED: 16/10/2025

| Lab No          | 2518592    | 2518593    | 2518594    | 2518595    | 2518596    | 2518597    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | ETP04      | ETP06      | TP10a      | TP11       | TP12       | TP13a      |
| Depth ~         | 1.00       | 0.50       | 0.40       | 0.50       | 0.50       | 0.50       |
| Other ID ~      | 3          | 1          | 6          | 1          | 1          | 1          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 23/05/2025 | 23/05/2025 | 23/05/2025 | 23/05/2025 | 23/05/2025 | 23/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method      | LOD  | Units |         |         |        |         |         |         |
|---------------------------------------|-------------|------|-------|---------|---------|--------|---------|---------|---------|
| Aromatic >EC21-EC35: EH_2D_AR         | DETSC 3521# | 1.4  | mg/kg | 10.15   | 3.86    | 32.58  | < 1.40  | 6.34    | 16.90   |
| Aromatic >EC35-EC40: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40 | < 1.40  | < 1.40  | < 1.40  |
| Aromatic >EC40-EC44: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40 | < 1.40  | < 1.40  | < 1.40  |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETSC 3521* | 10   | mg/kg | 12.04   | < 10.00 | 33.87  | < 10.00 | < 10.00 | 17.69   |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETSC 3521* | 10   | mg/kg | 12.04   | < 10.00 | 33.87  | < 10.00 | < 10.00 | 17.69   |
| EPH >C24-C40: EH_2D_Total             | DETSC 3521# | 10   | mg/kg | < 10.00 | < 10.00 | 16.29  | < 10.00 | < 10.00 | < 10.00 |
| Benzene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| Ethylbenzene                          | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| Toluene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| Xylene                                | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| MTBE                                  | DETSC 3321  | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| <b>PAHs</b>                           |             |      |       |         |         |        |         |         |         |
| Naphthalene                           | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Acenaphthylene                        | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Acenaphthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Fluorene                              | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Phenanthrene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Anthracene                            | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Fluoranthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Pyrene                                | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Benzo(a)anthracene                    | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Chrysene                              | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Benzo(b)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Benzo(k)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Benzo(a)pyrene                        | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Indeno(1,2,3-c,d)pyrene               | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Dibenzo(a,h)anthracene                | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Benzo(g,h,i)perylene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| Coronene                              | DETSC 3301* | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   |
| PAH 16 Total                          | DETSC 3301  | 1.6  | mg/kg | < 1.6   | < 1.6   | < 1.6  | < 1.6   | < 1.6   | < 1.6   |
| <b>PCBs</b>                           |             |      |       |         |         |        |         |         |         |
| PCB 28 + PCB 31                       | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| PCB 52                                | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| PCB 101                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| PCB 118                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| PCB 153                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| PCB 138                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| PCB 180                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| PCB 7 Total                           | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |
| <b>Phenols</b>                        |             |      |       |         |         |        |         |         |         |
| Phenol - Monohydric                   | DETSC 2130# | 0.3  | mg/kg | 1.6     | < 0.3   | 1.7    | < 0.3   | < 0.3   | 0.4     |

## Summary of Chemical Analysis Leachate Samples

Our Ref 25-12536

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

RECEIVED: 16/10/2025

| Lab No          | 2518598    | 2518599    | 2518600    | 2518601    | 2518602    | 2518603    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | ETP04      | ETP06      | TP10a      | TP11       | TP12       | TP13a      |
| Depth ~         | 1.00       | 0.50       | 0.40       | 0.50       | 0.50       | 0.50       |
| Other ID ~      | 3          | 1          | 6          | 1          | 1          | 1          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 23/05/2025 | 23/05/2025 | 23/05/2025 | 23/05/2025 | 23/05/2025 | 23/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                   | Method      | LOD    | Units |        |        |        |        |        |        |
|----------------------------------------|-------------|--------|-------|--------|--------|--------|--------|--------|--------|
| <b>Preparation</b>                     |             |        |       |        |        |        |        |        |        |
| BS EN 12457-2 10:1                     | DETSC 1009* |        |       | Y      | Y      | Y      | Y      | Y      | Y      |
| <b>Inorganics</b>                      |             |        |       |        |        |        |        |        |        |
| Un-Ionised Ammonia                     | *           | 0.02   | mg/l  | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Ammoniacal Nitrogen as NH <sub>4</sub> | DETSC 2207  | 0.0193 | mg/l  | 0.60   | 0.41   | 1.9    | 0.21   | < 0.02 | 0.26   |

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12536  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP04 3 1.00

Sample Numbers 2518592 2518598  
 Date Analysed 19/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 13.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 37.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 15.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.1    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.4                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 22                  | 0.2                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.045               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.59                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 8.1                 | 0.08                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 36                  | 0.4                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.1                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 4.8                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.64                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1                   | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 17                  | 0.17                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 10000               | 100                  | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 79000               | 790                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 210000              | 2100                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 31000               | 310                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.6   |
| DETSC 2009 Conductivity uS/cm | 301.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.142 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.847 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12536  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP06 1 0.50

Sample Numbers 2518593 2518599  
 Date Analysed 19/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.1    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 1.9    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.4    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 3.4                 | 0.03                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 9.7                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.05                | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.1                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 13                  | 0.13                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.024               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 5                   | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.1                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 6.3                 | 0.06                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 1.1                 | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.8                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 9.6                 | 0.1                  | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 5400                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 6700                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 88000               | 880                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 32000               | 320                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.5   |
| DETSC 2009 Conductivity uS/cm | 125.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.093 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.897 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12536  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP10a 6 0.40

Sample Numbers 2518594 2518600  
 Date Analysed 19/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 7.6    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 17.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 36.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.5    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 2.1                 | 0.02                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 9.6                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.098               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.2                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 18                  | 0.18                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.039               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 5.5                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 2                   | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 4.4                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.31                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 2.7                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 15                  | 0.15                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 5100                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 6300                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 87000               | 870                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 62000               | 620                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.0   |
| DETSC 2009 Conductivity uS/cm | 125.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.104 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.886 |
| Volume of Eluate VE1  | 0.78  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12536  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP11 1 0.50

Sample Numbers 2518595 2518601  
 Date Analysed 19/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 0.7    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 1.2    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.7    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.93                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 7.4                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.051               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.1                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 12                  | 0.12                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 9.2                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.6                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 14                  | 0.14                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.3                 | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.1                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 16                  | 0.16                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2200                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 250                 | 2.5                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 8000                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 78000               | 780                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 26000               | 260                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.3   |
| DETSC 2009 Conductivity uS/cm | 111.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.097 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.893 |
| Volume of Eluate VE1  | 0.79  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12536  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP12 1 0.50

Sample Numbers 2518596 2518602  
 Date Analysed 19/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.1    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 1.8    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.8    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.2                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 4.6                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.047               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 3.1                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 9.6                 | 0.1                  | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 1.4                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.4                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 12                  | 0.12                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.19                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.1                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 8.6                 | 0.09                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 3600                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 4800                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 19000               | 190                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 13000               | 130                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.9  |
| DETSC 2009 Conductivity uS/cm | 26.9 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.094 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.896 |
| Volume of Eluate VE1  | 0.8   |

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12536  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP13a 1 0.50

Sample Numbers 2518597 2518603  
 Date Analysed 19/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.3    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 2.9    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 20.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.7    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 4.2                 | 0.04                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 11                  | 0.1                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.042               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 9.5                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 8                   | 0.08                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | < 1.1               | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 4.8                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 6.5                 | 0.07                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.58                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1                   | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 15                  | 0.15                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1800                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 250                 | 2.5                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 4600                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 37000               | 370                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 25000               | 250                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.6  |
| DETSC 2009 Conductivity uS/cm | 53.0 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.095 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.895 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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## Summary of Asbestos Analysis Soil Samples

Our Ref 25-12536

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

| Lab No  | Sample ID    | Material Type | Result | Comment* | Analyst      |
|---------|--------------|---------------|--------|----------|--------------|
| 2518592 | ETP04 3 1.00 | SOIL          | NAD    | none     | Pierce Booth |
| 2518593 | ETP06 1 0.50 | SOIL          | NAD    | none     | Pierce Booth |
| 2518594 | TP10a 6 0.40 | SOIL          | NAD    | none     | Pierce Booth |
| 2518595 | TP11 1 0.50  | SOIL          | NAD    | none     | Pierce Booth |
| 2518596 | TP12 1 0.50  | SOIL          | NAD    | none     | Pierce Booth |
| 2518597 | TP13a 1 0.50 | SOIL          | NAD    | none     | Pierce Booth |

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: \* -not included in laboratory scope of accreditation.

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## Information in Support of the Analytical Results

Our Ref 25-12536  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands Galway

### Containers Received & Deviating Samples

| Lab No  | Sample ID ~            | Date<br>Sampled ~ | Containers Received         | Holding time exceeded for tests                                                                     | Incorrect<br>container for tests |
|---------|------------------------|-------------------|-----------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------|
| 2518592 | ETP04 1.00<br>SOIL     | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2518593 | ETP06 0.50<br>SOIL     | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2518594 | TP10a 0.40<br>SOIL     | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2518595 | TP11 0.50 SOIL         | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2518596 | TP12 0.50 SOIL         | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2518597 | TP13a 0.50<br>SOIL     | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2518598 | ETP04 1.00<br>LEACHATE | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                                  |
| 2518599 | ETP06 0.50<br>LEACHATE | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                                  |
| 2518600 | TP10a 0.40<br>LEACHATE | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                                  |
| 2518601 | TP11 0.50<br>LEACHATE  | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                                  |
| 2518602 | TP12 0.50<br>LEACHATE  | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                                  |
| 2518603 | TP13a 0.50<br>LEACHATE | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                                  |

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve  
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.  
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-  
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

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## Information in Support of the Analytical Results

List of HWOL Acronyms and Operators

| Acronym | Description                                                         |
|---------|---------------------------------------------------------------------|
| HS      | Headspace analysis                                                  |
| EH      | Extractable Hydrocarbons - i.e. everything extracted by the solvent |
| CU      | Clean-up - e.g. by florisil, silica gel                             |
| 1D      | GC - Single coil gas chromatography                                 |
| 2D      | GC-GC - Double coil gas chromatography                              |
| Total   | Aliphatics & Aromatics                                              |
| AL      | Aliphatics only                                                     |
| AR      | Aromatics only                                                      |
| #1      | EH_2D_Total but with humics mathematically subtracted               |
| #2      | EH_2D_Total but with fatty acids mathematically subtracted          |
| _       | Operator - underscore to separate acronyms (exception for +)        |
| +       | Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total   |

| Det                             | Acronym           |
|---------------------------------|-------------------|
| Aliphatic C5-C6                 | HS_1D_AL          |
| Aliphatic C6-C8                 | HS_1D_AL          |
| Aliphatic C8-C10                | HS_1D_AL          |
| Aliphatic >EC10-EC12            | EH_2D_AL          |
| Aliphatic >EC12-EC16            | EH_2D_AL          |
| Aliphatic >EC16-EC21            | EH_2D_AL          |
| Aliphatic >EC21-EC35            | EH_2D_AL          |
| Aliphatic >EC35-EC40            | EH_2D_AL          |
| Aliphatic >EC40-EC44            | EH_2D_AL          |
| Aliphatic C5-C44                | EH_2D+HS_1D_AL    |
| Aromatic C5-C7                  | HS_1D_AR          |
| Aromatic C7-C8                  | HS_1D_AR          |
| Aromatic C8-C10                 | HS_1D_AR          |
| Aromatic >EC10-EC12             | EH_2D_AR          |
| Aromatic >EC12-EC16             | EH_2D_AR          |
| Aromatic >EC16-EC21             | EH_2D_AR          |
| Aromatic >EC21-EC35             | EH_2D_AR          |
| Aromatic >EC35-EC40             | EH_2D_AR          |
| Aromatic >EC40-EC44             | EH_2D_AR          |
| Aromatic C5-C44                 | EH_2D+HS_1D_AR    |
| TPH Ali/Aro C5-C44              | EH_2D+HS_1D_Total |
| EPH >C24-C40                    | EH_2D_Total       |
| Mineral Oil >C10-C40 + Clean Up | EH_CU_2D_Total    |

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**Key:**

~ Sample details are provided by the client and can affect the validity of the results

\* -not accredited.

# -MCERTS (accreditation only applies if report carries the MCERTS logo).

\$ -subcontracted.

n/s -not supplied.

I/S -insufficient sample.

U/S -unsuitable sample.

t/f -to follow.

nd -not detected.

**End of Report** Ver 25.03.07

# Certificate of Analysis

RECEIVED: 16/10/2025

**Certificate Number** 25-12538

**Issued:** 25-Jun-25

**Client** Causeway Geotech  
Unit 1 Fingal House  
Stephenstown Industrial Estate  
Balbriggan  
Co. Dublin  
K32 VR66

**Our Reference** 25-12538

**Client Reference ~** 24-0211

**Order No ~** (not supplied)

**Contract Title ~** Kingston Lands Galway

**Description** 6 Soil samples, 6 Leachate prepared by DETS samples.

**Date Received** 04-Jun-25

**Date Started** 04-Jun-25

**Date Completed** 25-Jun-25

**Test Procedures** Identified by prefix DETSn (details on request).

**Notes** Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

**Approved By**



Reyhan Irfan  
Operations Manager



Sample Deviations present. See Deviation Table Section for details.

Normec DETS Limited

Unit 2, Park Road Industrial Estate South, Consett, Co Durham, DH8 5PY  
Tel: 01207 582333 • email: [info-dets@normecgroup.com](mailto:info-dets@normecgroup.com) • [normecdets.com](http://normecdets.com)

# Summary of Chemical Analysis Soil Samples

Our Ref 25-12538

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

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| Lab No          | 2518604    | 2518605    | 2518606    | 2518607    | 2518608    | 2518609    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | ETP03      | TP04       | TP05       | TP09       | TP08       | TP14       |
| Depth ~         | 0.50       | 1.00       | 0.50       | 0.50       | 0.50       | 0.50       |
| Other ID ~      | 1          | 2          | 1          | 1          | 1          | 1          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 26/05/2025 | 26/05/2025 | 26/05/2025 | 26/05/2025 | 26/05/2025 | 26/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                             | Method      | LOD  | Units |         |         |         |         |         |         |
|----------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|
| <b>Preparation</b>               |             |      |       |         |         |         |         |         |         |
| Moisture Content                 | DETSC 1004  | 0.1  | %     | 34      | 35      | 10      | 24      | 14      | 14      |
| <b>Metals</b>                    |             |      |       |         |         |         |         |         |         |
| Antimony                         | DETSC 2301* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Arsenic                          | DETSC 2301# | 0.2  | mg/kg | 11      | 1.6     | 2.8     | 4.8     | 1.0     | 0.9     |
| Barium                           | DETSC 2301# | 1.5  | mg/kg | 24      | 12      | 17      | 29      | 8.0     | 4.0     |
| Boron, Water Soluble (2.5:1)     | DETSC 2311# | 0.2  | mg/kg | 1.2     | 0.7     | 0.4     | 1.1     | 0.3     | 0.2     |
| Cadmium                          | DETSC 2301# | 0.1  | mg/kg | 1.8     | 0.4     | 0.3     | 0.5     | < 0.1   | < 0.1   |
| Chromium                         | DETSC 2301# | 0.15 | mg/kg | 16      | 5.8     | 6.7     | 5.1     | 1.5     | 0.83    |
| Chromium III                     | DETSC 2301* | 0.15 | mg/kg | 16      | 5.8     | 6.7     | 5.1     | 1.5     | 0.83    |
| Chromium, Hexavalent             | DETSC 2204* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Copper                           | DETSC 2301# | 0.2  | mg/kg | 160     | 54      | 35      | 59      | 5.8     | 5.9     |
| Lead                             | DETSC 2301# | 0.3  | mg/kg | 31      | 14      | 20      | 36      | 5.6     | 7.1     |
| Mercury                          | DETSC 2325# | 0.05 | mg/kg | 0.15    | 0.09    | < 0.05  | 0.09    | < 0.05  | < 0.05  |
| Molybdenum                       | DETSC 2301# | 0.4  | mg/kg | 11      | 16      | 2.6     | 3.5     | < 0.4   | 1.1     |
| Nickel                           | DETSC 2301# | 1    | mg/kg | 11      | 6.8     | 5.2     | 7.5     | < 1.0   | < 1.0   |
| Selenium                         | DETSC 2301# | 0.5  | mg/kg | 3.8     | 1.1     | < 0.5   | 1.8     | < 0.5   | < 0.5   |
| Zinc                             | DETSC 2301# | 1    | mg/kg | 28      | 28      | 27      | 26      | 5.0     | 13      |
| <b>Inorganics</b>                |             |      |       |         |         |         |         |         |         |
| pH                               | DETSC 2008# |      | pH    | 6.8     | 7.0     | 6.8     | 6.4     | 6.4     | 6.5     |
| Cyanide, Total                   | DETSC 2130# | 0.1  | mg/kg | 0.7     | 0.3     | 0.3     | 0.7     | 0.5     | 0.3     |
| Total Organic Carbon             | DETSC 2084# | 0.5  | %     | 21      | 19      | 3.9     | 21      | 4.5     | 2.9     |
| Sulphide                         | DETSC 2024* | 10   | mg/kg | 40      | 36      | < 10    | 32      | < 10    | < 10    |
| Sulphur (free)                   | DETSC 3049# | 0.75 | mg/kg | < 0.75  | < 0.75  | < 0.75  | < 0.75  | 1.5     | < 0.75  |
| Sulphate as SO4, Total           | DETSC 2321# | 0.01 | %     | 0.29    | 0.25    | 0.04    | 0.22    | 0.03    | 0.03    |
| <b>Petroleum Hydrocarbons</b>    |             |      |       |         |         |         |         |         |         |
| Aliphatic C5-C6: HS_1D_AL        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C6-C8: HS_1D_AL        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C8-C10: HS_1D_AL       | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic >EC10-EC12: EH_2D_AL   | DETSC 3521# | 1.5  | mg/kg | 2.72    | 3.51    | 2.12    | 2.51    | 2.55    | 2.78    |
| Aliphatic >EC12-EC16: EH_2D_AL   | DETSC 3521# | 1.2  | mg/kg | < 1.20  | 2.29    | 1.65    | < 1.20  | 1.71    | 1.75    |
| Aliphatic >EC16-EC21: EH_2D_AL   | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC21-EC35: EH_2D_AL   | DETSC 3521# | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC35-EC40: EH_2D_AL   | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC40-EC44: EH_2D_AL   | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic C5-C44: EH_2D+HS_1D_AL | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Aromatic C5-C7: HS_1D_AR         | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C7-C8: HS_1D_AR         | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C8-C10: HS_1D_AR        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic >EC10-EC12: EH_2D_AR    | DETSC 3521# | 0.9  | mg/kg | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  |
| Aromatic >EC12-EC16: EH_2D_AR    | DETSC 3521# | 0.5  | mg/kg | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  |
| Aromatic >EC16-EC21: EH_2D_AR    | DETSC 3521# | 0.6  | mg/kg | 1.22    | < 0.60  | 0.68    | 1.32    | 0.73    | < 0.60  |

# Summary of Chemical Analysis Soil Samples

Our Ref 25-12538

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

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| Lab No          | 2518604    | 2518605    | 2518606    | 2518607    | 2518608    | 2518609    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | ETP03      | TP04       | TP05       | TP09       | TP08       | TP14       |
| Depth ~         | 0.50       | 1.00       | 0.50       | 0.50       | 0.50       | 0.50       |
| Other ID ~      | 1          | 2          | 1          | 1          | 1          | 1          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 26/05/2025 | 26/05/2025 | 26/05/2025 | 26/05/2025 | 26/05/2025 | 26/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method      | LOD  | Units |         |         |         |         |         |         |
|---------------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|
| Aromatic >EC21-EC35: EH_2D_AR         | DETSC 3521# | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | 6.88    | 7.45    | 3.17    |
| Aromatic >EC35-EC40: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic >EC40-EC44: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| EPH >C24-C40: EH_2D_Total             | DETSC 3521# | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Benzene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Ethylbenzene                          | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Toluene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Xylene                                | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| MTBE                                  | DETSC 3321  | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>PAHs</b>                           |             |      |       |         |         |         |         |         |         |
| Naphthalene                           | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Acenaphthylene                        | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Acenaphthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Fluorene                              | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Phenanthrene                          | DETSC 3301  | 0.1  | mg/kg | 0.1     | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Anthracene                            | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Fluoranthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Pyrene                                | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(a)anthracene                    | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Chrysene                              | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(b)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(k)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(a)pyrene                        | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Indeno(1,2,3-c,d)pyrene               | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Dibenzo(a,h)anthracene                | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(g,h,i)perylene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Coronene                              | DETSC 3301* | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| PAH 16 Total                          | DETSC 3301  | 1.6  | mg/kg | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   |
| <b>PCBs</b>                           |             |      |       |         |         |         |         |         |         |
| PCB 28 + PCB 31                       | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 52                                | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 101                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 118                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 153                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 138                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 180                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 7 Total                           | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>Phenols</b>                        |             |      |       |         |         |         |         |         |         |
| Phenol - Monohydric                   | DETSC 2130# | 0.3  | mg/kg | 2.6     | 3.2     | 1.0     | 2.6     | 1.0     | 0.9     |

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## Summary of Chemical Analysis Leachate Samples

Our Ref 25-12538

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

|                 |            |            |            |            |            |            |
|-----------------|------------|------------|------------|------------|------------|------------|
| Lab No          | 2518610    | 2518611    | 2518612    | 2518613    | 2518614    | 2518615    |
| Sample ID ~     | ETP03      | TP04       | TP05       | TP09       | TP08       | TP14       |
| Depth ~         | 0.50       | 1.00       | 0.50       | 0.50       | 0.50       | 0.50       |
| Other ID ~      | 1          | 2          | 1          | 1          | 1          | 1          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 26/05/2025 | 26/05/2025 | 26/05/2025 | 26/05/2025 | 26/05/2025 | 26/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                   | Method     | LOD    | Units |        |        |        |        |        |        |
|----------------------------------------|------------|--------|-------|--------|--------|--------|--------|--------|--------|
| <b>Inorganics</b>                      |            |        |       |        |        |        |        |        |        |
| Un-Ionised Ammonia                     | *          | 0.02   | mg/l  | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Ammoniacal Nitrogen as NH <sub>4</sub> | DETSC 2207 | 0.0193 | mg/l  | 0.15   | 0.13   | < 0.02 | 0.82   | 0.09   | < 0.02 |

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## Summary of Asbestos Analysis Soil Samples

Our Ref 25-12538

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

| Lab No  | Sample ID    | Material Type | Result | Comment* | Analyst      |
|---------|--------------|---------------|--------|----------|--------------|
| 2518604 | ETP03 1 0.50 | SOIL          | NAD    | none     | Pierce Booth |
| 2518605 | TP04 2 1.00  | SOIL          | NAD    | none     | Pierce Booth |
| 2518606 | TP05 1 0.50  | SOIL          | NAD    | none     | Pierce Booth |
| 2518607 | TP09 1 0.50  | SOIL          | NAD    | none     | Pierce Booth |
| 2518608 | TP08 1 0.50  | SOIL          | NAD    | none     | Pierce Booth |
| 2518609 | TP14 1 0.50  | SOIL          | NAD    | none     | Pierce Booth |

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: \* -not included in laboratory scope of accreditation.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12538  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP03 1 0.50

Sample Numbers 2518604 2518610  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 21.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 67.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.8    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.61                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 7.1                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.031               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | < 0.25              | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 3.4                 | 0.03                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 59                  | 0.6                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.58                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.47                | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.26                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.3                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 4.7                 | 0.05                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 6000                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 18000               | 180                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 77000               | 770                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 18000               | 180                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.1   |
| DETSC 2009 Conductivity uS/cm | 111.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.136 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.854 |
| Volume of Eluate VE1  | 0.8   |

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12538  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP04 2 1.00

Sample Numbers 2518605 2518611  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 19.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 83.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.0    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.89                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 5.8                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.07                | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.81                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 11                  | 0.11                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.013               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 32                  | 0.3                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.99                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2                   | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.27                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1                   | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 8.6                 | 0.09                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 5300                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 110                 | 1.1                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 23000               | 230                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 72000               | 720                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 16000               | 160                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.9   |
| DETSC 2009 Conductivity uS/cm | 103.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.139 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.851 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12538  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP05 1 0.50

Sample Numbers 2518606 2518612  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 3.9    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 9.3    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.8    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.5                 | 0.02                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 8.9                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.058               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 4.5                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 23                  | 0.23                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 4                   | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 2.1                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 15                  | 0.15                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1                   | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 8.9                 | 0.09                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2100                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 3500                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 17000               | 170                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 21000               | 210                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.7  |
| DETSC 2009 Conductivity uS/cm | 24.8 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |      |
|-----------------------|------|
| Volume of Leachant L2 | 0.89 |
| Volume of Eluate VE1  | 0.79 |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12538  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP09 1 0.50

Sample Numbers 2518607 2518613  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                         |          |        | WAC Limit Values |       |                 |
|-----------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference              | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETS 2084# Total Organic Carbon               | %        | 21.0   | 3                | 5     | 6               |
| DETS 2003# Loss On Ignition                   | %        | 50.0   | n/a              | n/a   | 10              |
| DETS 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETS 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETS 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 11.0   | 500              | n/a   | n/a             |
| DETS 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETS 2008# pH                                 | pH Units | 6.4    | n/a              | >6    | n/a             |
| DETS 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETS 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate           |                     |                      | WAC Limit Values               |        |                 |
|------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference   | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                    | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETS 2306 Arsenic as As            | 0.85                | < 0.01               | 0.5                            | 2      | 25              |
| DETS 2306 Barium as Ba             | 7.1                 | < 0.1                | 20                             | 100    | 300             |
| DETS 2306 Cadmium as Cd            | 0.062               | < 0.02               | 0.04                           | 1      | 5               |
| DETS 2306 Chromium as Cr           | 1.2                 | < 0.1                | 0.5                            | 10     | 70              |
| DETS 2306 Copper as Cu             | 18                  | 0.18                 | 2                              | 50     | 100             |
| DETS 2306 Mercury as Hg            | 0.012               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETS 2306 Molybdenum as Mo         | 3.6                 | < 0.1                | 0.5                            | 10     | 30              |
| DETS 2306 Nickel as Ni             | 2.6                 | < 0.1                | 0.4                            | 10     | 40              |
| DETS 2306 Lead as Pb               | 4.5                 | < 0.05               | 0.5                            | 10     | 50              |
| DETS 2306 Antimony as Sb           | 0.24                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETS 2306 Selenium as Se           | 1.7                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETS 2306 Zinc as Zn               | 7.3                 | 0.07                 | 4                              | 50     | 200             |
| DETS 2055 Chloride as Cl           | 2300                | < 100                | 800                            | 15,000 | 25,000          |
| DETS 2055* Fluoride as F           | 150                 | 1.5                  | 10                             | 150    | 500             |
| DETS 2055 Sulphate as SO4          | 4200                | < 100                | 1000                           | 20,000 | 50,000          |
| DETS 2009* Total Dissolved Solids  | 37000               | 370                  | 4000                           | 60,000 | 100,000         |
| DETS 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETS 2085 Dissolved Organic Carbon | 33000               | 330                  | 500                            | 800    | 1000            |

| Additional Information       |      |
|------------------------------|------|
| DETS 2008 pH                 | 6.4  |
| DETS 2009 Conductivity uS/cm | 52.3 |
| * Temperature*               | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.118 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.872 |
| Volume of Eluate VE1  | 0.79  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12538  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP08 1 0.50

Sample Numbers 2518608 2518614  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 4.5    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 8.5    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 12.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.4    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.1                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 6.3                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.038               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 2                   | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 8.5                 | 0.09                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.016               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 1.5                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.5                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 7.7                 | 0.08                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.18                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.4                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 8.4                 | 0.08                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 3300                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 3800                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 25000               | 250                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 44000               | 440                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.2  |
| DETSC 2009 Conductivity uS/cm | 35.7 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.105 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.885 |
| Volume of Eluate VE1  | 0.709 |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12538  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP14 1 0.50

Sample Numbers 2518609 2518615  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 2.9    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 6.4    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.5    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.66                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 4.1                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.12                | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.89                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 8.7                 | 0.09                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 1.3                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1                   | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 4.4                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.29                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.92                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 5.6                 | 0.06                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2900                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 2300                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 32000               | 320                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 36000               | 360                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.0  |
| DETSC 2009 Conductivity uS/cm | 45.6 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.104 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.886 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

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## Information in Support of the Analytical Results

Our Ref 25-12538  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands Galway

### Containers Received & Deviating Samples

| Lab No  | Sample ID ~         | Date Sampled ~ | Containers Received         | Holding time exceeded for tests                     | Incorrect container for tests |
|---------|---------------------|----------------|-----------------------------|-----------------------------------------------------|-------------------------------|
| 2518604 | ETP03 0.50 SOIL     | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days) |                               |
| 2518605 | TP04 1.00 SOIL      | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days) |                               |
| 2518606 | TP05 0.50 SOIL      | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days) |                               |
| 2518607 | TP09 0.50 SOIL      | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days) |                               |
| 2518608 | TP08 0.50 SOIL      | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days) |                               |
| 2518609 | TP14 0.50 SOIL      | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days) |                               |
| 2518610 | ETP03 0.50 LEACHATE | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days)                     |                               |
| 2518611 | TP04 1.00 LEACHATE  | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days)                     |                               |
| 2518612 | TP05 0.50 LEACHATE  | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days)                     |                               |
| 2518613 | TP09 0.50 LEACHATE  | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days)                     |                               |
| 2518614 | TP08 0.50 LEACHATE  | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days)                     |                               |
| 2518615 | TP14 0.50 LEACHATE  | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days)                     |                               |

| Lab No  | Sample ID           | Comments                                          |
|---------|---------------------|---------------------------------------------------|
| 2518610 | ETP03 0.50 LEACHATE | Insufficient sample 942.5g (<2kg) Sample received |
| 2518613 | TP09 0.50 LEACHATE  | Insufficient sample 1686g (<2kg) Sample received  |

Key: G-Glass P-Plastic J-Jar T-Tub

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

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## Information in Support of the Analytical Results

List of HWOL Acronyms and Operators

| Acronym | Description                                                         |
|---------|---------------------------------------------------------------------|
| HS      | Headspace analysis                                                  |
| EH      | Extractable Hydrocarbons - i.e. everything extracted by the solvent |
| CU      | Clean-up - e.g. by florisil, silica gel                             |
| 1D      | GC - Single coil gas chromatography                                 |
| 2D      | GC-GC - Double coil gas chromatography                              |
| Total   | Aliphatics & Aromatics                                              |
| AL      | Aliphatics only                                                     |
| AR      | Aromatics only                                                      |
| #1      | EH_2D_Total but with humics mathematically subtracted               |
| #2      | EH_2D_Total but with fatty acids mathematically subtracted          |
| _       | Operator - underscore to separate acronyms (exception for +)        |
| +       | Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total   |

| Det                             | Acronym           |
|---------------------------------|-------------------|
| Aliphatic C5-C6                 | HS_1D_AL          |
| Aliphatic C6-C8                 | HS_1D_AL          |
| Aliphatic C8-C10                | HS_1D_AL          |
| Aliphatic >EC10-EC12            | EH_2D_AL          |
| Aliphatic >EC12-EC16            | EH_2D_AL          |
| Aliphatic >EC16-EC21            | EH_2D_AL          |
| Aliphatic >EC21-EC35            | EH_2D_AL          |
| Aliphatic >EC35-EC40            | EH_2D_AL          |
| Aliphatic >EC40-EC44            | EH_2D_AL          |
| Aliphatic C5-C44                | EH_2D+HS_1D_AL    |
| Aromatic C5-C7                  | HS_1D_AR          |
| Aromatic C7-C8                  | HS_1D_AR          |
| Aromatic C8-C10                 | HS_1D_AR          |
| Aromatic >EC10-EC12             | EH_2D_AR          |
| Aromatic >EC12-EC16             | EH_2D_AR          |
| Aromatic >EC16-EC21             | EH_2D_AR          |
| Aromatic >EC21-EC35             | EH_2D_AR          |
| Aromatic >EC35-EC40             | EH_2D_AR          |
| Aromatic >EC40-EC44             | EH_2D_AR          |
| Aromatic C5-C44                 | EH_2D+HS_1D_AR    |
| TPH Ali/Aro C5-C44              | EH_2D+HS_1D_Total |
| EPH >C24-C40                    | EH_2D_Total       |
| Mineral Oil >C10-C40 + Clean Up | EH_CU_2D_Total    |

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**Key:**

~ Sample details are provided by the client and can affect the validity of the results

\* -not accredited.

# -MCERTS (accreditation only applies if report carries the MCERTS logo).

\$ -subcontracted.

n/s -not supplied.

I/S -insufficient sample.

U/S -unsuitable sample.

t/f -to follow.

nd -not detected.

**End of Report** Ver 25.03.07

# Certificate of Analysis

RECEIVED: 16/10/2025

**Certificate Number** 25-12718

**Issued:** 25-Jun-25

**Client** Causeway Geotech  
Unit 1 Fingal House  
Stephenstown Industrial Estate  
Balbriggan  
Co. Dublin  
K32 VR66

**Our Reference** 25-12718

**Client Reference ~** 24-0211

**Order No ~** (not supplied)

**Contract Title ~** Kingston Lands Galway

**Description** 18 Soil samples, 18 Leachate prepared by DETS samples.

**Date Received** 06-Jun-25

**Date Started** 06-Jun-25

**Date Completed** 25-Jun-25

**Test Procedures** Identified by prefix DETSn (details on request).

**Notes** Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

**Approved By**



Reyhan Irfan  
Operations Manager



Sample Deviations present. See Deviation Table Section for details.

# Summary of Chemical Analysis Soil Samples

Our Ref 25-12718

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

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| Lab No          | 2519560    | 2519561    | 2519562    | 2519563    | 2519564    | 2519565    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | BH08       | BH08       | BH10       | BH11       | ETP01      | ETP02      |
| Depth ~         | 0.50       | 1.00       | 0.50       | 0.50       | 0.50       | 0.50       |
| Other ID ~      | 1          | 2          | 1          | 1          | 1          | 1          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 28/05/2025 | 28/05/2025 | 26/05/2025 | 26/05/2025 | 27/05/2025 | 27/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                | Method      | LOD  | Units |        |         |         |         |         |        |
|-------------------------------------|-------------|------|-------|--------|---------|---------|---------|---------|--------|
| <b>Preparation</b>                  |             |      |       |        |         |         |         |         |        |
| Moisture Content                    | DETSC 1004  | 0.1  | %     | 29     | 23      | 4.5     | 7.0     | 7.1     | 61     |
| <b>Metals</b>                       |             |      |       |        |         |         |         |         |        |
| Antimony                            | DETSC 2301* | 1    | mg/kg | < 1.0  | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0  |
| Arsenic                             | DETSC 2301# | 0.2  | mg/kg | 2.6    | 1.3     | 1.6     | 1.4     | 2.1     | 2.1    |
| Barium                              | DETSC 2301# | 1.5  | mg/kg | 19     | 13      | 6.6     | 9.2     | 5.9     | 7.8    |
| Boron, Water Soluble (2.5:1)        | DETSC 2311# | 0.2  | mg/kg | 0.3    | 0.2     | 0.3     | < 0.2   | < 0.2   | 0.7    |
| Cadmium                             | DETSC 2301# | 0.1  | mg/kg | 0.3    | 0.1     | < 0.1   | < 0.1   | < 0.1   | 1.7    |
| Chromium                            | DETSC 2301# | 0.15 | mg/kg | 3.3    | 2.8     | 7.0     | 4.2     | 4.4     | 4.4    |
| Chromium III                        | DETSC 2301* | 0.15 | mg/kg | 3.3    | 2.8     | 7.0     | 4.2     | 4.4     | 4.4    |
| Chromium, Hexavalent                | DETSC 2204* | 1    | mg/kg | < 1.0  | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0  |
| Copper                              | DETSC 2301# | 0.2  | mg/kg | 16     | 7.6     | 17      | 9.1     | 10      | 120    |
| Lead                                | DETSC 2301# | 0.3  | mg/kg | 26     | 13      | 18      | 15      | 12      | 9.8    |
| Mercury                             | DETSC 2325# | 0.05 | mg/kg | 0.07   | < 0.05  | < 0.05  | < 0.05  | < 0.05  | 0.06   |
| Molybdenum                          | DETSC 2301# | 0.4  | mg/kg | 1.5    | 0.8     | 2.0     | 2.5     | 1.6     | 52     |
| Nickel                              | DETSC 2301# | 1    | mg/kg | 3.1    | 2.8     | 4.8     | 2.9     | 3.3     | 3.2    |
| Selenium                            | DETSC 2301# | 0.5  | mg/kg | 0.5    | < 0.5   | < 0.5   | < 0.5   | < 0.5   | 2.1    |
| Zinc                                | DETSC 2301# | 1    | mg/kg | 24     | 19      | 35      | 29      | 15      | 48     |
| <b>Inorganics</b>                   |             |      |       |        |         |         |         |         |        |
| pH                                  | DETSC 2008# |      | pH    | 7.4    | 7.6     | 7.4     | 7.8     | 7.5     | 6.2    |
| Cyanide, Total                      | DETSC 2130# | 0.1  | mg/kg | 0.5    | 0.3     | 0.2     | 0.2     | 0.1     | 0.3    |
| Total Organic Carbon                | DETSC 2084# | 0.5  | %     | 8.0    | 3.3     | 2.3     | 1.6     | 1.5     | 45     |
| Sulphide                            | DETSC 2024* | 10   | mg/kg | 23     | 27      | 27      | 42      | 19      | 130    |
| Sulphur (free)                      | DETSC 3049# | 0.75 | mg/kg | 0.81   | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75 |
| Sulphate as SO <sub>4</sub> , Total | DETSC 2321# | 0.01 | %     | 0.12   | 0.15    | < 0.01  | 0.14    | 0.09    | 0.07   |
| <b>Petroleum Hydrocarbons</b>       |             |      |       |        |         |         |         |         |        |
| Aliphatic C5-C6: HS_1D_AL           | DETSC 3321* | 0.01 | mg/kg | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| Aliphatic C6-C8: HS_1D_AL           | DETSC 3321* | 0.01 | mg/kg | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| Aliphatic C8-C10: HS_1D_AL          | DETSC 3321* | 0.01 | mg/kg | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| Aliphatic >EC10-EC12: EH_2D_AL      | DETSC 3521# | 1.5  | mg/kg | 4.25   | 3.86    | 3.27    | 2.99    | 3.26    | 6.25   |
| Aliphatic >EC12-EC16: EH_2D_AL      | DETSC 3521# | 1.2  | mg/kg | 2.35   | 2.36    | 2.05    | 1.53    | 1.88    | 3.96   |
| Aliphatic >EC16-EC21: EH_2D_AL      | DETSC 3521# | 1.5  | mg/kg | < 1.50 | < 1.50  | 1.60    | < 1.50  | < 1.50  | < 1.50 |
| Aliphatic >EC21-EC35: EH_2D_AL      | DETSC 3521# | 3.4  | mg/kg | 12.32  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40 |
| Aliphatic >EC35-EC40: EH_2D_AL      | DETSC 3521* | 3.4  | mg/kg | < 3.40 | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40 |
| Aliphatic >EC40-EC44: EH_2D_AL      | DETSC 3521* | 3.4  | mg/kg | < 3.40 | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40 |
| Aliphatic C5-C44: EH_2D+HS_1D_AL    | DETSC 3521* | 10   | mg/kg | 18.92  | < 10.00 | < 10.00 | < 10.00 | < 10.00 | 10.21  |
| Aromatic C5-C7: HS_1D_AR            | DETSC 3321* | 0.01 | mg/kg | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| Aromatic C7-C8: HS_1D_AR            | DETSC 3321* | 0.01 | mg/kg | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| Aromatic C8-C10: HS_1D_AR           | DETSC 3321* | 0.01 | mg/kg | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| Aromatic >EC10-EC12: EH_2D_AR       | DETSC 3521# | 0.9  | mg/kg | < 0.90 | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90 |
| Aromatic >EC12-EC16: EH_2D_AR       | DETSC 3521# | 0.5  | mg/kg | < 0.50 | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50 |
| Aromatic >EC16-EC21: EH_2D_AR       | DETSC 3521# | 0.6  | mg/kg | 1.07   | 1.22    | < 0.60  | 0.67    | < 0.60  | < 0.60 |

# Summary of Chemical Analysis Soil Samples

Our Ref 25-12718

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

RECEIVED: 16/10/2025

| Lab No          | 2519560    | 2519561    | 2519562    | 2519563    | 2519564    | 2519565    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | BH08       | BH08       | BH10       | BH11       | ETP01      | ETP02      |
| Depth ~         | 0.50       | 1.00       | 0.50       | 0.50       | 0.50       | 0.50       |
| Other ID ~      | 1          | 2          | 1          | 1          | 1          | 1          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 28/05/2025 | 28/05/2025 | 26/05/2025 | 26/05/2025 | 27/05/2025 | 27/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method      | LOD  | Units |         |         |         |         |         |         |
|---------------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|
| Aromatic >EC21-EC35: EH_2D_AR         | DETSC 3521# | 1.4  | mg/kg | 6.81    | 3.42    | 3.80    | 3.09    | 3.41    | 3.65    |
| Aromatic >EC35-EC40: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic >EC40-EC44: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETSC 3521* | 10   | mg/kg | 18.92   | < 10.00 | < 10.00 | < 10.00 | < 10.00 | 10.21   |
| EPH >C24-C40: EH_2D_Total             | DETSC 3521# | 10   | mg/kg | 19.13   | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Benzene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Ethylbenzene                          | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Toluene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Xylene                                | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| MTBE                                  | DETSC 3321  | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>PAHs</b>                           |             |      |       |         |         |         |         |         |         |
| Naphthalene                           | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Acenaphthylene                        | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Acenaphthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Fluorene                              | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Phenanthrene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Anthracene                            | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Fluoranthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Pyrene                                | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(a)anthracene                    | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Chrysene                              | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(b)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(k)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(a)pyrene                        | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Indeno(1,2,3-c,d)pyrene               | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Dibenzo(a,h)anthracene                | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(g,h,i)perylene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Coronene                              | DETSC 3301* | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| PAH 16 Total                          | DETSC 3301  | 1.6  | mg/kg | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   |
| <b>PCBs</b>                           |             |      |       |         |         |         |         |         |         |
| PCB 28 + PCB 31                       | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 52                                | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 101                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 118                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 153                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 138                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 180                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 7 Total                           | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>Phenols</b>                        |             |      |       |         |         |         |         |         |         |
| Phenol - Monohydric                   | DETSC 2130# | 0.3  | mg/kg | 0.8     | 0.4     | < 0.3   | < 0.3   | < 0.3   | 1.8     |

# Summary of Chemical Analysis Soil Samples

Our Ref 25-12718

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

RECEIVED: 16/10/2025

| Lab No          | 2519566    | 2519567    | 2519568    | 2519569    | 2519570    | 2519571    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | ETP02      | ETP08      | TP01       | TP02       | TP02       | TP03       |
| Depth ~         | 1.00       | 0.50       | 0.50       | 0.50       | 1.00       | 0.50       |
| Other ID ~      | 2          | 1          | 1          | 1          | 2          | 1          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 27/05/2025 | 28/05/2025 | 27/05/2025 | 27/05/2025 | 27/05/2025 | 27/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                | Method      | LOD  | Units |         |         |         |         |         |         |
|-------------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|
| <b>Preparation</b>                  |             |      |       |         |         |         |         |         |         |
| Moisture Content                    | DETSC 1004  | 0.1  | %     | 20      | 11      | 6.2     | 64      | 13      | 57      |
| <b>Metals</b>                       |             |      |       |         |         |         |         |         |         |
| Antimony                            | DETSC 2301* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Arsenic                             | DETSC 2301# | 0.2  | mg/kg | 1.3     | 1.0     | 2.2     | 3.3     | 1.0     | 9.4     |
| Barium                              | DETSC 2301# | 1.5  | mg/kg | 15      | 5.2     | 16      | 19      | 22      | 19      |
| Boron, Water Soluble (2.5:1)        | DETSC 2311# | 0.2  | mg/kg | 0.2     | 0.3     | < 0.2   | 1.1     | < 0.2   | 1.3     |
| Cadmium                             | DETSC 2301# | 0.1  | mg/kg | 0.3     | < 0.1   | < 0.1   | 1.2     | 0.3     | 2.6     |
| Chromium                            | DETSC 2301# | 0.15 | mg/kg | 6.7     | 5.4     | 5.5     | 4.9     | 4.1     | 11      |
| Chromium III                        | DETSC 2301* | 0.15 | mg/kg | 6.7     | 5.4     | 5.5     | 4.9     | 4.1     | 11      |
| Chromium, Hexavalent                | DETSC 2204* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Copper                              | DETSC 2301# | 0.2  | mg/kg | 31      | 5.9     | 19      | 120     | 29      | 240     |
| Lead                                | DETSC 2301# | 0.3  | mg/kg | 12      | 8.8     | 8.3     | 18      | 8.1     | 17      |
| Mercury                             | DETSC 2325# | 0.05 | mg/kg | < 0.05  | < 0.05  | < 0.05  | 0.07    | < 0.05  | 0.08    |
| Molybdenum                          | DETSC 2301# | 0.4  | mg/kg | 11      | 0.9     | 0.7     | 18      | 0.8     | 17      |
| Nickel                              | DETSC 2301# | 1    | mg/kg | 5.2     | 1.1     | 4.6     | 3.5     | 3.2     | 5.7     |
| Selenium                            | DETSC 2301# | 0.5  | mg/kg | 0.5     | < 0.5   | < 0.5   | 3.6     | < 0.5   | 6.2     |
| Zinc                                | DETSC 2301# | 1    | mg/kg | 29      | 8.9     | 24      | 14      | 18      | 9.7     |
| <b>Inorganics</b>                   |             |      |       |         |         |         |         |         |         |
| pH                                  | DETSC 2008# |      | pH    | 7.9     | 6.0     | 7.9     | 6.1     | 8.3     | 6.2     |
| Cyanide, Total                      | DETSC 2130# | 0.1  | mg/kg | < 0.1   | 0.5     | < 0.1   | 0.5     | < 0.1   | 0.3     |
| Total Organic Carbon                | DETSC 2084# | 0.5  | %     | 2.1     | 3.1     | 0.6     | 36      | 1.6     | 41      |
| Sulphide                            | DETSC 2024* | 10   | mg/kg | 38      | 31      | < 10    | 45      | 27      | 33      |
| Sulphur (free)                      | DETSC 3049# | 0.75 | mg/kg | 1.7     | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  |
| Sulphate as SO <sub>4</sub> , Total | DETSC 2321# | 0.01 | %     | 0.93    | 0.03    | 0.11    | 0.14    | 0.08    | 0.95    |
| <b>Petroleum Hydrocarbons</b>       |             |      |       |         |         |         |         |         |         |
| Aliphatic C5-C6: HS_1D_AL           | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C6-C8: HS_1D_AL           | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C8-C10: HS_1D_AL          | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic >EC10-EC12: EH_2D_AL      | DETSC 3521# | 1.5  | mg/kg | 2.03    | 2.90    | 2.69    | 6.02    | 2.05    | < 1.50  |
| Aliphatic >EC12-EC16: EH_2D_AL      | DETSC 3521# | 1.2  | mg/kg | < 1.20  | 1.64    | 1.54    | < 1.20  | < 1.20  | < 1.20  |
| Aliphatic >EC16-EC21: EH_2D_AL      | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC21-EC35: EH_2D_AL      | DETSC 3521# | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC35-EC40: EH_2D_AL      | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC40-EC44: EH_2D_AL      | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic C5-C44: EH_2D+HS_1D_AL    | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Aromatic C5-C7: HS_1D_AR            | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C7-C8: HS_1D_AR            | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C8-C10: HS_1D_AR           | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic >EC10-EC12: EH_2D_AR       | DETSC 3521# | 0.9  | mg/kg | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  |
| Aromatic >EC12-EC16: EH_2D_AR       | DETSC 3521# | 0.5  | mg/kg | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  |
| Aromatic >EC16-EC21: EH_2D_AR       | DETSC 3521# | 0.6  | mg/kg | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  |

# Summary of Chemical Analysis Soil Samples

Our Ref 25-12718

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

RECEIVED: 16/10/2025

| Lab No          | 2519566    | 2519567    | 2519568    | 2519569    | 2519570    | 2519571    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | ETP02      | ETP08      | TP01       | TP02       | TP02       | TP03       |
| Depth ~         | 1.00       | 0.50       | 0.50       | 0.50       | 1.00       | 0.50       |
| Other ID ~      | 2          | 1          | 1          | 1          | 2          | 1          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 27/05/2025 | 28/05/2025 | 27/05/2025 | 27/05/2025 | 27/05/2025 | 27/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method      | LOD  | Units |         |        |         |         |         |         |
|---------------------------------------|-------------|------|-------|---------|--------|---------|---------|---------|---------|
| Aromatic >EC21-EC35: EH_2D_AR         | DETSC 3521# | 1.4  | mg/kg | < 1.40  | 12.48  | 2.81    | 6.07    | < 1.40  | < 1.40  |
| Aromatic >EC35-EC40: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40 | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic >EC40-EC44: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40 | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETSC 3521* | 10   | mg/kg | < 10.00 | 12.48  | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETSC 3521* | 10   | mg/kg | < 10.00 | 12.48  | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| EPH >C24-C40: EH_2D_Total             | DETSC 3521# | 10   | mg/kg | < 10.00 | 12.48  | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Benzene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Ethylbenzene                          | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Toluene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Xylene                                | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| MTBE                                  | DETSC 3321  | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>PAHs</b>                           |             |      |       |         |        |         |         |         |         |
| Naphthalene                           | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Acenaphthylene                        | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Acenaphthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Fluorene                              | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Phenanthrene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | 0.5     | < 0.1   | < 0.1   |
| Anthracene                            | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Fluoranthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | 0.2     | 0.2     | < 0.1   |
| Pyrene                                | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | 0.5     | 0.2     | < 0.1   |
| Benzo(a)anthracene                    | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Chrysene                              | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(b)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(k)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(a)pyrene                        | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Indeno(1,2,3-c,d)pyrene               | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Dibenzo(a,h)anthracene                | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(g,h,i)perylene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Coronene                              | DETSC 3301* | 0.1  | mg/kg | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| PAH 16 Total                          | DETSC 3301  | 1.6  | mg/kg | < 1.6   | < 1.6  | < 1.6   | < 1.6   | < 1.6   | < 1.6   |
| <b>PCBs</b>                           |             |      |       |         |        |         |         |         |         |
| PCB 28 + PCB 31                       | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 52                                | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 101                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 118                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 153                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 138                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 180                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 7 Total                           | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>Phenols</b>                        |             |      |       |         |        |         |         |         |         |
| Phenol - Monohydric                   | DETSC 2130# | 0.3  | mg/kg | < 0.3   | 0.7    | < 0.3   | 2.1     | < 0.3   | 2.3     |

# Summary of Chemical Analysis Soil Samples

Our Ref 25-12718

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

RECEIVED: 16/10/2025

| Lab No          | 2519572    | 2519573    | 2519574    | 2519575    | 2519576    | 2519577    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | TP03       | TP06       | TP07       | TP15       | TP16       | TP17       |
| Depth ~         | 1.00       | 0.50       | 0.50       | 0.50       | 0.50       | 0.50       |
| Other ID ~      | 2          | 1          | 1          | 1          | 1          | 1          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 27/05/2025 | 28/05/2025 | 28/05/2025 | 28/05/2025 | 28/05/2025 | 28/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                | Method      | LOD  | Units |         |         |         |         |         |         |
|-------------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|
| <b>Preparation</b>                  |             |      |       |         |         |         |         |         |         |
| Moisture Content                    | DETSC 1004  | 0.1  | %     | 24      | 6.4     | 7.3     | 9.5     | 21      | 12      |
| <b>Metals</b>                       |             |      |       |         |         |         |         |         |         |
| Antimony                            | DETSC 2301* | 1    | mg/kg | < 1.0   | 7.2     | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Arsenic                             | DETSC 2301# | 0.2  | mg/kg | 2.7     | 1.6     | 1.2     | 1.1     | 1.6     | 3.0     |
| Barium                              | DETSC 2301# | 1.5  | mg/kg | 11      | 9.1     | 5.8     | 5.8     | 11      | 6.7     |
| Boron, Water Soluble (2.5:1)        | DETSC 2311# | 0.2  | mg/kg | 0.2     | < 0.2   | < 0.2   | < 0.2   | 0.5     | 0.2     |
| Cadmium                             | DETSC 2301# | 0.1  | mg/kg | 0.3     | < 0.1   | < 0.1   | < 0.1   | 0.1     | < 0.1   |
| Chromium                            | DETSC 2301# | 0.15 | mg/kg | 5.5     | 4.6     | 1.8     | 1.9     | 1.4     | 2.0     |
| Chromium III                        | DETSC 2301* | 0.15 | mg/kg | 5.5     | 4.6     | 1.8     | 1.9     | 1.4     | 2.0     |
| Chromium, Hexavalent                | DETSC 2204* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Copper                              | DETSC 2301# | 0.2  | mg/kg | 31      | 14      | 8.0     | 6.3     | 7.2     | 6.8     |
| Lead                                | DETSC 2301# | 0.3  | mg/kg | 10      | 15      | 17      | 14      | 19      | 63      |
| Mercury                             | DETSC 2325# | 0.05 | mg/kg | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  |
| Molybdenum                          | DETSC 2301# | 0.4  | mg/kg | 2.8     | 1.8     | 1.3     | 0.7     | 0.4     | 1.6     |
| Nickel                              | DETSC 2301# | 1    | mg/kg | 3.3     | 3.4     | 2.0     | 1.4     | 1.5     | 1.4     |
| Selenium                            | DETSC 2301# | 0.5  | mg/kg | 0.7     | < 0.5   | < 0.5   | 0.6     | 0.6     | 1.3     |
| Zinc                                | DETSC 2301# | 1    | mg/kg | 22      | 56      | 9.8     | 9.2     | 5.2     | 37      |
| <b>Inorganics</b>                   |             |      |       |         |         |         |         |         |         |
| pH                                  | DETSC 2008# |      | pH    | 7.6     | 6.4     | 7.1     | 6.5     | 7.0     | 6.0     |
| Cyanide, Total                      | DETSC 2130# | 0.1  | mg/kg | 0.1     | 0.3     | 0.2     | 0.3     | 0.4     | 0.4     |
| Total Organic Carbon                | DETSC 2084# | 0.5  | %     | 1.7     | 1.8     | 1.9     | 3.0     | 8.7     | 4.6     |
| Sulphide                            | DETSC 2024* | 10   | mg/kg | 46      | 23      | 23      | 12      | < 10    | 19      |
| Sulphur (free)                      | DETSC 3049# | 0.75 | mg/kg | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  |
| Sulphate as SO <sub>4</sub> , Total | DETSC 2321# | 0.01 | %     | 0.07    | 0.02    | 0.02    | 0.04    | 0.06    | 0.07    |
| <b>Petroleum Hydrocarbons</b>       |             |      |       |         |         |         |         |         |         |
| Aliphatic C5-C6: HS_1D_AL           | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C6-C8: HS_1D_AL           | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C8-C10: HS_1D_AL          | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic >EC10-EC12: EH_2D_AL      | DETSC 3521# | 1.5  | mg/kg | 3.09    | 2.73    | 2.38    | 2.80    | 2.78    | 3.37    |
| Aliphatic >EC12-EC16: EH_2D_AL      | DETSC 3521# | 1.2  | mg/kg | 1.83    | 1.62    | 1.74    | 1.78    | < 1.20  | 1.84    |
| Aliphatic >EC16-EC21: EH_2D_AL      | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | 2.62    |
| Aliphatic >EC21-EC35: EH_2D_AL      | DETSC 3521# | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC35-EC40: EH_2D_AL      | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC40-EC44: EH_2D_AL      | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic C5-C44: EH_2D+HS_1D_AL    | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Aromatic C5-C7: HS_1D_AR            | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C7-C8: HS_1D_AR            | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C8-C10: HS_1D_AR           | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic >EC10-EC12: EH_2D_AR       | DETSC 3521# | 0.9  | mg/kg | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  |
| Aromatic >EC12-EC16: EH_2D_AR       | DETSC 3521# | 0.5  | mg/kg | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | 0.72    |
| Aromatic >EC16-EC21: EH_2D_AR       | DETSC 3521# | 0.6  | mg/kg | < 0.60  | < 0.60  | 0.69    | < 0.60  | < 0.60  | 28.35   |

# Summary of Chemical Analysis Soil Samples

Our Ref 25-12718

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

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| Lab No          | 2519572    | 2519573    | 2519574    | 2519575    | 2519576    | 2519577    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | TP03       | TP06       | TP07       | TP15       | TP16       | TP17       |
| Depth ~         | 1.00       | 0.50       | 0.50       | 0.50       | 0.50       | 0.50       |
| Other ID ~      | 2          | 1          | 1          | 1          | 1          | 1          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 27/05/2025 | 28/05/2025 | 28/05/2025 | 28/05/2025 | 28/05/2025 | 28/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method      | LOD  | Units |         |         |         |         |         |        |
|---------------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|--------|
| Aromatic >EC21-EC35: EH_2D_AR         | DETSC 3521# | 1.4  | mg/kg | < 1.40  | 5.99    | 4.03    | 4.69    | 3.08    | 43.72  |
| Aromatic >EC35-EC40: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | 9.86   |
| Aromatic >EC40-EC44: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40 |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | 82.64  |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | 82.64  |
| EPH >C24-C40: EH_2D_Total             | DETSC 3521# | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | 51.44  |
| Benzene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| Ethylbenzene                          | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| Toluene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| Xylene                                | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| MTBE                                  | DETSC 3321  | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| <b>PAHs</b>                           |             |      |       |         |         |         |         |         |        |
| Naphthalene                           | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Acenaphthylene                        | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Acenaphthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Fluorene                              | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Phenanthrene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Anthracene                            | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Fluoranthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Pyrene                                | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Benzo(a)anthracene                    | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Chrysene                              | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Benzo(b)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Benzo(k)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Benzo(a)pyrene                        | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Indeno(1,2,3-c,d)pyrene               | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Dibenzo(a,h)anthracene                | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Benzo(g,h,i)perylene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| Coronene                              | DETSC 3301* | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  |
| PAH 16 Total                          | DETSC 3301  | 1.6  | mg/kg | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6  |
| <b>PCBs</b>                           |             |      |       |         |         |         |         |         |        |
| PCB 28 + PCB 31                       | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| PCB 52                                | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| PCB 101                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| PCB 118                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| PCB 153                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| PCB 138                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| PCB 180                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| PCB 7 Total                           | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 |
| <b>Phenols</b>                        |             |      |       |         |         |         |         |         |        |
| Phenol - Monohydric                   | DETSC 2130# | 0.3  | mg/kg | < 0.3   | < 0.3   | < 0.3   | 0.3     | 0.4     | 0.6    |

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## Summary of Chemical Analysis

### Leachate Samples

Our Ref 25-12718  
 Client Ref ~ 24-0211  
 Contract Title ~ Kingston Lands Galway

| Lab No          | 2519578    | 2519579    | 2519580    | 2519581    | 2519582    | 2519583    | 2519584    | 2519585    | 2519586    | 2519587    | 2519588    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | BH08       | BH08       | BH10       | BH11       | ETP01      | ETP02      | ETP02      | ETP08      | TP01       | TP02       | TP02       |
| Depth ~         | 0.50       | 1.00       | 0.50       | 0.50       | 0.50       | 0.50       | 1.00       | 0.50       | 0.50       | 0.50       | 1.00       |
| Other ID ~      | 1          | 2          | 1          | 1          | 1          | 1          | 2          | 1          | 1          | 1          | 2          |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 28/05/2025 | 28/05/2025 | 26/05/2025 | 26/05/2025 | 27/05/2025 | 27/05/2025 | 27/05/2025 | 28/05/2025 | 27/05/2025 | 27/05/2025 | 27/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                   | Method    | LOD    | Units |      |      |     |        |        |        |        |        |        |        |        |
|----------------------------------------|-----------|--------|-------|------|------|-----|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Inorganics</b>                      |           |        |       |      |      |     |        |        |        |        |        |        |        |        |
| Un-Ionised Ammonia                     | *         | 0.02   | mg/l  | 0.06 | 0.04 | 1.3 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Ammoniacal Nitrogen as NH <sub>4</sub> | DETS 2207 | 0.0193 | mg/l  | 1.5  | 0.60 | 19  | 0.71   | 0.10   | 0.08   | 0.49   | 0.14   | < 0.02 | 0.41   | 0.09   |

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## Summary of Chemical Analysis

### Leachate Samples

Our Ref 25-12718  
 Client Ref ~ 24-0211  
 Contract Title ~ Kingston Lands Galway

|                        |            |            |            |            |            |            |            |
|------------------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Lab No</b>          | 2519589    | 2519590    | 2519591    | 2519592    | 2519593    | 2519594    | 2519595    |
| <b>Sample ID ~</b>     | TP03       | TP03       | TP06       | TP07       | TP15       | TP16       | TP17       |
| <b>Depth ~</b>         | 0.50       | 1.00       | 0.50       | 0.50       | 0.50       | 0.50       | 0.50       |
| <b>Other ID ~</b>      | 1          | 2          | 1          | 1          | 1          | 1          | 1          |
| <b>Sample Type ~</b>   | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| <b>Sampling Date ~</b> | 27/05/2025 | 27/05/2025 | 28/05/2025 | 28/05/2025 | 28/05/2025 | 28/05/2025 | 28/05/2025 |
| <b>Sampling Time ~</b> | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                   | Method    | LOD    | Units |        |        |        |        |        |        |        |
|----------------------------------------|-----------|--------|-------|--------|--------|--------|--------|--------|--------|--------|
| <b>Inorganics</b>                      |           |        |       |        |        |        |        |        |        |        |
| Un-Ionised Ammonia                     | *         | 0.02   | mg/l  | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Ammoniacal Nitrogen as NH <sub>4</sub> | DETS 2207 | 0.0193 | mg/l  | 0.21   | 0.41   | < 0.02 | 0.15   | < 0.02 | 1.4    | < 0.02 |

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## Summary of Asbestos Analysis Soil Samples

Our Ref 25-12718

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

| Lab No  | Sample ID    | Material Type | Result | Comment* | Analyst       |
|---------|--------------|---------------|--------|----------|---------------|
| 2519560 | BH08 1 0.50  | SOIL          | NAD    | none     | Vicky Convery |
| 2519561 | BH08 2 1.00  | SOIL          | NAD    | none     | Vicky Convery |
| 2519562 | BH10 1 0.50  | SOIL          | NAD    | none     | Vicky Convery |
| 2519563 | BH11 1 0.50  | SOIL          | NAD    | none     | Vicky Convery |
| 2519564 | ETP01 1 0.50 | SOIL          | NAD    | none     | Vicky Convery |
| 2519565 | ETP02 1 0.50 | SOIL          | NAD    | none     | Vicky Convery |
| 2519566 | ETP02 2 1.00 | SOIL          | NAD    | none     | Vicky Convery |
| 2519567 | ETP08 1 0.50 | SOIL          | NAD    | none     | Vicky Convery |
| 2519568 | TP01 1 0.50  | SOIL          | NAD    | none     | Vicky Convery |
| 2519569 | TP02 1 0.50  | SOIL          | NAD    | none     | Vicky Convery |
| 2519570 | TP02 2 1.00  | SOIL          | NAD    | none     | Vicky Convery |
| 2519571 | TP03 1 0.50  | SOIL          | NAD    | none     | Vicky Convery |
| 2519572 | TP03 2 1.00  | SOIL          | NAD    | none     | Vicky Convery |
| 2519573 | TP06 1 0.50  | SOIL          | NAD    | none     | Vicky Convery |
| 2519574 | TP07 1 0.50  | SOIL          | NAD    | none     | Vicky Convery |
| 2519575 | TP15 1 0.50  | SOIL          | NAD    | none     | Vicky Convery |
| 2519576 | TP16 1 0.50  | SOIL          | NAD    | none     | Vicky Convery |
| 2519577 | TP17 1 0.50  | SOIL          | NAD    | none     | Vicky Convery |

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: \* -not included in laboratory scope of accreditation.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id BH08 1 0.50

Sample Numbers 2519560 2519578  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 8.0    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 15.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 27.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.4    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.3                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 53                  | 0.5                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.5                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 5.8                 | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.015               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 13                  | 0.1                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.2                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.2                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.33                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.2                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 56                  | 0.56                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2400                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 140                 | 1.4                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 4300                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 160000              | 1600                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 21000               | 210                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 8.1   |
| DETSC 2009 Conductivity uS/cm | 226.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.140 |
| Mass of dry Sample Kg | 0.099 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.951 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id BH08 2 1.00

Sample Numbers 2519561 2519579  
 Date Analysed 25/06/2025

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| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 3.3    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 6.6    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 11.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.6    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.1                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 45                  | 0.5                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.032               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.77                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 6.4                 | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.017               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 7.9                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.1                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 4.3                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.26                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1                   | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 57                  | 0.57                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2400                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 170                 | 1.7                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 3800                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 110000              | 1100                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 17000               | 170                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 8.3   |
| DETSC 2009 Conductivity uS/cm | 156.0 |
| * Temperature*                | 19.0  |
| Mass of Sample Kg             | 0.130 |
| Mass of dry Sample Kg         | 0.101 |
| Stage 1                       |       |
| Volume of Leachant L2         | 0.977 |
| Volume of Eluate VE1          | 0.9   |

|                             |
|-----------------------------|
| TBE - To Be Evaluated       |
| SNRHW - Stable Non-Reactive |
| Hazardous Waste             |

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id BH10 1 0.50

Sample Numbers 2519562 2519580  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 2.3    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.4    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 11.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.4    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.1                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 23                  | 0.2                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.3                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 9.3                 | 0.09                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.015               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 3                   | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.1                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.7                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.35                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.2                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 52                  | 0.52                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2900                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 120                 | 1.2                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 2800                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 47000               | 470                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 21000               | 210                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 8.3  |
| DETSC 2009 Conductivity uS/cm | 67.5 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.095 |

Stage 1

|                       |      |
|-----------------------|------|
| Volume of Leachant L2 | 0.95 |
| Volume of Eluate VE1  | 0.83 |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id BH11 1 0.50

Sample Numbers 2519563 2519581  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.6    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.5    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.8    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.83                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 28                  | 0.3                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.03                | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.76                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 6.1                 | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.017               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 14                  | 0.1                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.94                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.7                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.37                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.87                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 31                  | 0.31                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2700                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 120                 | 1.2                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 3600                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 100000              | 1000                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 12000               | 120                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.9   |
| DETSC 2009 Conductivity uS/cm | 149.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.093 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.924 |
| Volume of Eluate VE1  | 0.81  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP01 1 0.50

Sample Numbers 2519564 2519582  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.5    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.5    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.5    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.97                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 57                  | 0.6                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.036               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.4                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 13                  | 0.13                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.017               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 2.6                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 2.1                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 3.2                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.31                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1                   | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 220                 | 2.2                  | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 3100                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 120                 | 1.2                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 3000                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 34000               | 340                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 22000               | 220                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 7.9  |
| DETSC 2009 Conductivity uS/cm | 48.5 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.093 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.922 |
| Volume of Eluate VE1  | 0.81  |

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP02 1 0.50

Sample Numbers 2519565 2519583  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 45.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 82.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 14.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.2    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.33                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 58                  | 0.6                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | < 0.25              | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 2.3                 | 0.02                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 8.8                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.6                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.36                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 68                  | 0.68                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1700                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 37000               | 370                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 71000               | 710                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 6100                | 61                   | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.5   |
| DETSC 2009 Conductivity uS/cm | 102.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.140 |
| Mass of dry Sample Kg | 0.054 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.454 |
| Volume of Eluate VE1  | 0.454 |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP02 2 1.00

Sample Numbers 2519566 2519584  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 2.1    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.7    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.9    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.9                 | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 18                  | 0.2                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.2                 | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.72                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 4.7                 | 0.05                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.027               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 560                 | 5.6                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.59                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.64                | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 1.4                 | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 4.1                 | 0.04                 | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 14                  | 0.14                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1200                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 190                 | 1.9                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 36000               | 360                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 120000              | 1200                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 12000               | 120                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.3   |
| DETSC 2009 Conductivity uS/cm | 176.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.120 |
| Mass of dry Sample Kg | 0.096 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.932 |
| Volume of Eluate VE1  | 0.83  |

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP08 1 0.50

Sample Numbers 2519567 2519585  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 3.1    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 8.9    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 17.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.0    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.4                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 51                  | 0.5                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.031               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.91                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 10                  | 0.1                  | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.02                | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 6.2                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.7                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.5                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.24                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.96                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 160                 | 1.6                  | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1700                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 140                 | 1.4                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1500                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 29000               | 290                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 19000               | 190                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 7.5  |
| DETSC 2009 Conductivity uS/cm | 41.0 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.110 |
| Mass of dry Sample Kg | 0.098 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.968 |
| Volume of Eluate VE1  | 0.84  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP01 1 0.50

Sample Numbers 2519568 2519586  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 0.6    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 1.0    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.9    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.53                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 33                  | 0.3                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.031               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.2                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 8.9                 | 0.09                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 1.8                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.69                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 1                   | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.4                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 110                 | 1.1                  | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 3900                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1100                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 22000               | 220                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 5000                | 50                   | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 7.3  |
| DETSC 2009 Conductivity uS/cm | 30.7 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.094 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.932 |
| Volume of Eluate VE1  | 0.81  |

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP02 1 0.50

Sample Numbers 2519569 2519587  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 36.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 70.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 12.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.1    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.38                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 25                  | 0.3                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.047               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.52                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 12                  | 0.12                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 9                   | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.2                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.84                | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.2                 | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.78                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 55                  | 0.55                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 4300                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 7300                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 47000               | 470                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 17000               | 170                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 7.0  |
| DETSC 2009 Conductivity uS/cm | 67.5 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.140 |
| Mass of dry Sample Kg | 0.050 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.411 |
| Volume of Eluate VE1  | 0.35  |

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP02 2 1.00

Sample Numbers 2519570 2519588  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.6    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 0.98   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.3    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | 6.4    | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.71                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 16                  | 0.2                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.28                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 4.6                 | 0.05                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 23                  | 0.2                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.54                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.31                | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 1.1                 | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.41                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 9.1                 | 0.09                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1200                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 140                 | 1.4                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 9300                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 74000               | 740                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 4500                | < 50                 | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.7   |
| DETSC 2009 Conductivity uS/cm | 106.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.110 |
| Mass of dry Sample Kg | 0.096 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.943 |
| Volume of Eluate VE1  | 0.87  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP03 1 0.50

Sample Numbers 2519571 2519589  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 41.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 79.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.2    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.36                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 12                  | 0.1                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.038               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.36                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 7.8                 | 0.08                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 18                  | 0.2                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.57                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.72                | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.29                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.73                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 23                  | 0.23                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 5100                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 13000               | 130                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 56000               | 560                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 9700                | 97                   | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.6  |
| DETSC 2009 Conductivity uS/cm | 80.0 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.140 |
| Mass of dry Sample Kg | 0.061 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.526 |
| Volume of Eluate VE1  | 0.475 |

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP03 2 1.00

Sample Numbers 2519572 2519590  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.7    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.9    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.6    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | 1.4    | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.2                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 66                  | 0.7                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.066               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.66                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 9.3                 | 0.09                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.019               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 98                  | 1                    | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.7                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.65                | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.83                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.9                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 91                  | 0.91                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2500                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 200                 | 2                    | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 33000               | 330                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 41000               | 410                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 11000               | 110                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.7  |
| DETSC 2009 Conductivity uS/cm | 58.3 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.130 |
| Mass of dry Sample Kg | 0.098 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.95  |
| Volume of Eluate VE1  | 0.825 |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP06 1 0.50

Sample Numbers 2519573 2519591  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.8    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.7    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 10.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.4    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.67                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 20                  | 0.2                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.1                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 7.6                 | 0.08                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.01                | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 9.1                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.88                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 1.9                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.22                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.79                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 72                  | 0.72                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2200                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 2300                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 35000               | 350                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 15000               | 150                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.5  |
| DETSC 2009 Conductivity uS/cm | 49.6 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.094 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.929 |
| Volume of Eluate VE1  | 0.83  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP07 1 0.50

Sample Numbers 2519574 2519592  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.9    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.8    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.1    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1                   | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 20                  | 0.2                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.98                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 8.1                 | 0.08                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.016               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 2.2                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.98                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 3.4                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.28                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.7                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 45                  | 0.45                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1400                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1900                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 38000               | 380                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 16000               | 160                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.6  |
| DETSC 2009 Conductivity uS/cm | 54.2 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.093 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.919 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP15 1 0.50

Sample Numbers 2519575 2519593  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 3.0    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 5.5    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.5    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.52                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 42                  | 0.4                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.89                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 5.7                 | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.011               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 1.5                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.68                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 1.8                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.49                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 170                 | 1.7                  | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2200                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1800                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 27000               | 270                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 16000               | 160                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.6  |
| DETSC 2009 Conductivity uS/cm | 39.2 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.110 |
| Mass of dry Sample Kg | 0.100 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.985 |
| Volume of Eluate VE1  | 0.75  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP16 1 0.50

Sample Numbers 2519576 2519594  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 8.7    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 15.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.0    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1                   | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 72                  | 0.7                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.73                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 6.4                 | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.036               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 1.2                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.2                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.4                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.21                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.92                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 92                  | 0.92                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 5600                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 130                 | 1.3                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 2500                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 75000               | 750                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 18000               | 180                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.8   |
| DETSC 2009 Conductivity uS/cm | 107.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.130 |
| Mass of dry Sample Kg | 0.102 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.997 |
| Volume of Eluate VE1  | 0.81  |

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12718  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP17 1 0.50

Sample Numbers 2519577 2519595  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 4.6    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 9.9    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 91.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.0    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.88                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 15                  | 0.2                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.86                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 13                  | 0.13                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.012               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 2.6                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 1.7                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.19                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.93                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 27                  | 0.27                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 3100                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 3100                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 140000              | 1400                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 24000               | 240                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.1   |
| DETSC 2009 Conductivity uS/cm | 207.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.110 |
| Mass of dry Sample Kg | 0.097 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.957 |
| Volume of Eluate VE1  | 0.81  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

RECEIVED: 16/10/2025

## Information in Support of the Analytical Results

Our Ref 25-12718  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands Galway

### Containers Received & Deviating Samples

| Lab No  | Sample ID ~         | Date<br>Sampled ~ | Containers Received         | Holding time exceeded for tests                                                                     | Incorrect<br>container for tests |
|---------|---------------------|-------------------|-----------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------|
| 2519560 | BH08 0.50 SOIL      | 28/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519561 | BH08 1.00 SOIL      | 28/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519562 | BH10 0.50 SOIL      | 26/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519563 | BH11 0.50 SOIL      | 26/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519564 | ETP01 0.50 SOIL     | 27/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519565 | ETP02 0.50 SOIL     | 27/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519566 | ETP02 1.00 SOIL     | 27/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519567 | ETP08 0.50 SOIL     | 28/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519568 | TP01 0.50 SOIL      | 27/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519569 | TP02 0.50 SOIL      | 27/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519570 | TP02 1.00 SOIL      | 27/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519571 | TP03 0.50 SOIL      | 27/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519572 | TP03 1.00 SOIL      | 27/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519573 | TP06 0.50 SOIL      | 28/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519574 | TP07 0.50 SOIL      | 28/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519575 | TP15 0.50 SOIL      | 28/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519576 | TP16 0.50 SOIL      | 28/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519577 | TP17 0.50 SOIL      | 28/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                 |                                  |
| 2519578 | BH08 0.50 LEACHATE  | 28/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days)                                                                     |                                  |
| 2519579 | BH08 1.00 LEACHATE  | 28/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days)                                                                     |                                  |
| 2519580 | BH10 0.50 LEACHATE  | 26/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                                  |
| 2519581 | BH11 0.50 LEACHATE  | 26/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                                  |
| 2519582 | ETP01 0.50 LEACHATE | 27/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days)                                                                     |                                  |
| 2519583 | ETP02 0.50 LEACHATE | 27/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days)                                                                     |                                  |

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## Information in Support of the Analytical Results

Our Ref 25-12718  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands Galway

| Lab No  | Sample ID ~         | Date Sampled ~ | Containers Received         | Holding time exceeded for tests | Incorrect container for tests |
|---------|---------------------|----------------|-----------------------------|---------------------------------|-------------------------------|
| 2519584 | ETP02 1.00 LEACHATE | 27/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |
| 2519585 | ETP08 0.50 LEACHATE | 28/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |
| 2519586 | TP01 0.50 LEACHATE  | 27/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |
| 2519587 | TP02 0.50 LEACHATE  | 27/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |
| 2519588 | TP02 1.00 LEACHATE  | 27/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |
| 2519589 | TP03 0.50 LEACHATE  | 27/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |
| 2519590 | TP03 1.00 LEACHATE  | 27/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |
| 2519591 | TP06 0.50 LEACHATE  | 28/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |
| 2519592 | TP07 0.50 LEACHATE  | 28/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |
| 2519593 | TP15 0.50 LEACHATE  | 28/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |
| 2519594 | TP16 0.50 LEACHATE  | 28/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |
| 2519595 | TP17 0.50 LEACHATE  | 28/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |

| Lab No  | Sample ID          | Comments                                         |
|---------|--------------------|--------------------------------------------------|
| 2519580 | BH10 0.50 LEACHATE | Insufficient sample 1959g (<2kg) Sample received |
| 2519587 | TP02 0.50 LEACHATE | Insufficient sample 1916g (<2kg) Sample received |
| 2519589 | TP03 0.50 LEACHATE | Insufficient sample 1197g (<2kg) Sample received |
| 2519590 | TP03 1.00 LEACHATE | Insufficient sample 1917g (<2kg) Sample received |

Key: G-Glass P-Plastic J-Jar T-Tub

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve  
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.  
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-  
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

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## Information in Support of the Analytical Results

List of HWOL Acronyms and Operators

| Acronym | Description                                                         |
|---------|---------------------------------------------------------------------|
| HS      | Headspace analysis                                                  |
| EH      | Extractable Hydrocarbons - i.e. everything extracted by the solvent |
| CU      | Clean-up - e.g. by florisil, silica gel                             |
| 1D      | GC - Single coil gas chromatography                                 |
| 2D      | GC-GC - Double coil gas chromatography                              |
| Total   | Aliphatics & Aromatics                                              |
| AL      | Aliphatics only                                                     |
| AR      | Aromatics only                                                      |
| #1      | EH_2D_Total but with humics mathematically subtracted               |
| #2      | EH_2D_Total but with fatty acids mathematically subtracted          |
| _       | Operator - underscore to separate acronyms (exception for +)        |
| +       | Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total   |

| Det                             | Acronym           |
|---------------------------------|-------------------|
| Aliphatic C5-C6                 | HS_1D_AL          |
| Aliphatic C6-C8                 | HS_1D_AL          |
| Aliphatic C8-C10                | HS_1D_AL          |
| Aliphatic >EC10-EC12            | EH_2D_AL          |
| Aliphatic >EC12-EC16            | EH_2D_AL          |
| Aliphatic >EC16-EC21            | EH_2D_AL          |
| Aliphatic >EC21-EC35            | EH_2D_AL          |
| Aliphatic >EC35-EC40            | EH_2D_AL          |
| Aliphatic >EC40-EC44            | EH_2D_AL          |
| Aliphatic C5-C44                | EH_2D+HS_1D_AL    |
| Aromatic C5-C7                  | HS_1D_AR          |
| Aromatic C7-C8                  | HS_1D_AR          |
| Aromatic C8-C10                 | HS_1D_AR          |
| Aromatic >EC10-EC12             | EH_2D_AR          |
| Aromatic >EC12-EC16             | EH_2D_AR          |
| Aromatic >EC16-EC21             | EH_2D_AR          |
| Aromatic >EC21-EC35             | EH_2D_AR          |
| Aromatic >EC35-EC40             | EH_2D_AR          |
| Aromatic >EC40-EC44             | EH_2D_AR          |
| Aromatic C5-C44                 | EH_2D+HS_1D_AR    |
| TPH Ali/Aro C5-C44              | EH_2D+HS_1D_Total |
| EPH >C24-C40                    | EH_2D_Total       |
| Mineral Oil >C10-C40 + Clean Up | EH_CU_2D_Total    |

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**Key:**

~ Sample details are provided by the client and can affect the validity of the results

\* -not accredited.

# -MCERTS (accreditation only applies if report carries the MCERTS logo).

\$ -subcontracted.

n/s -not supplied.

I/S -insufficient sample.

U/S -unsuitable sample.

t/f -to follow.

nd -not detected.

**End of Report** Ver 25.03.07

# Certificate of Analysis

RECEIVED: 16/10/2025

**Certificate Number** 25-12719

**Issued:** 25-Jun-25

**Client** Causeway Geotech  
Unit 1 Fingal House  
Stephenstown Industrial Estate  
Balbriggan  
Co. Dublin  
K32 VR66

**Our Reference** 25-12719

**Client Reference ~** 24-0211

**Order No ~** (not supplied)

**Contract Title ~** Kingston Lands Galway

**Description** 16 Soil samples, 16 Leachate prepared by DETS samples.

**Date Received** 06-Jun-25

**Date Started** 06-Jun-25

**Date Completed** 25-Jun-25

**Test Procedures** Identified by prefix DETSn (details on request).

**Notes** Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

**Approved By**



Reyhan Irfan  
Operations Manager



Sample Deviations present. See Deviation Table Section for details.

Normec DETS Limited

Unit 2, Park Road Industrial Estate South, Consett, Co Durham, DH8 5PY  
Tel: 01207 582333 • email: [info-dets@normecgroup.com](mailto:info-dets@normecgroup.com) • [normecdets.com](http://normecdets.com)

# Summary of Chemical Analysis Soil Samples

Our Ref 25-12719  
Client Ref ~ 24-0211  
Contract Title ~ Kingston Lands Galway

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| Lab No          | 2519596    | 2519597    | 2519598    | 2519599    | 2519600    | 2519601    | 2519602    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | BH03       | BH04       | BH05       | BH07       | BH12       | BH14       | BH17       |
| Depth ~         | 1.00       | 0.50       | 1.00       | 1.00       | 0.50       | 1.00       | 1.00       |
| Other ID ~      |            |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 01/06/2025 | 01/06/2025 | 01/06/2025 | 01/06/2025 | 31/05/2025 | 31/05/2025 | 31/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                | Method     | LOD  | Units |         |         |         |         |         |         |         |
|-------------------------------------|------------|------|-------|---------|---------|---------|---------|---------|---------|---------|
| <b>Preparation</b>                  |            |      |       |         |         |         |         |         |         |         |
| Moisture Content                    | DETS 1004  | 0.1  | %     | 11      | 9.7     | 12      | 67      | 5.8     | 14      | 7.7     |
| <b>Metals</b>                       |            |      |       |         |         |         |         |         |         |         |
| Antimony                            | DETS 2301* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Arsenic                             | DETS 2301# | 0.2  | mg/kg | 1.7     | < 0.2   | 1.7     | 1.0     | 1.8     | 2.8     | 2.1     |
| Barium                              | DETS 2301# | 1.5  | mg/kg | 9.4     | < 1.5   | 10      | 6.2     | 9.0     | 12      | 9.5     |
| Boron, Water Soluble (2.5:1)        | DETS 2311# | 0.2  | mg/kg | < 0.2   | < 0.2   | 0.4     | 1.2     | < 0.2   | 0.3     | 0.2     |
| Cadmium                             | DETS 2301# | 0.1  | mg/kg | < 0.1   | < 0.1   | 0.1     | 0.4     | 0.1     | 0.3     | < 0.1   |
| Chromium                            | DETS 2301# | 0.15 | mg/kg | 3.8     | < 0.15  | 4.7     | 1.6     | 4.5     | 4.1     | 7.5     |
| Chromium III                        | DETS 2301* | 0.15 | mg/kg | 3.8     | < 0.15  | 4.7     | 1.6     | 4.5     | 4.1     | 7.5     |
| Chromium, Hexavalent                | DETS 2204* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Copper                              | DETS 2301# | 0.2  | mg/kg | 19      | < 0.2   | 10      | 39      | 14      | 16      | 26      |
| Lead                                | DETS 2301# | 0.3  | mg/kg | 17      | 0.5     | 11      | 9.0     | 17      | 60      | 15      |
| Mercury                             | DETS 2325# | 0.05 | mg/kg | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  |
| Molybdenum                          | DETS 2301# | 0.4  | mg/kg | 0.8     | < 0.4   | 0.7     | 11      | 0.6     | 3.7     | 2.6     |
| Nickel                              | DETS 2301# | 1    | mg/kg | 3.0     | < 1.0   | 3.9     | 1.7     | 4.1     | 2.5     | 4.5     |
| Selenium                            | DETS 2301# | 0.5  | mg/kg | < 0.5   | < 0.5   | 0.6     | 1.5     | < 0.5   | 0.8     | < 0.5   |
| Zinc                                | DETS 2301# | 1    | mg/kg | 16      | < 1.0   | 22      | 9.2     | 33      | 24      | 26      |
| <b>Inorganics</b>                   |            |      |       |         |         |         |         |         |         |         |
| pH                                  | DETS 2008# |      | pH    | 8.1     | 8.3     | 8.3     | 6.1     | 8.3     | 7.0     | 6.7     |
| Cyanide, Total                      | DETS 2130# | 0.1  | mg/kg | < 0.1   | < 0.1   | 0.2     | 0.5     | < 0.1   | 0.3     | 0.3     |
| Total Organic Carbon                | DETS 2084# | 0.5  | %     | 1.2     | 1.2     | 3.1     | 39      | 1.3     | 2.7     | 1.9     |
| Sulphide                            | DETS 2024* | 10   | mg/kg | < 10    | < 10    | < 10    | 54      | 12      | 23      | 12      |
| Sulphur (free)                      | DETS 3049# | 0.75 | mg/kg | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  |
| Sulphate as SO <sub>4</sub> , Total | DETS 2321# | 0.01 | %     | 0.05    | 0.02    | 0.01    | 0.08    | 0.06    | 0.07    | 0.21    |
| <b>Petroleum Hydrocarbons</b>       |            |      |       |         |         |         |         |         |         |         |
| Aliphatic C5-C6: HS_1D_AL           | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C6-C8: HS_1D_AL           | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C8-C10: HS_1D_AL          | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic >EC10-EC12: EH_2D_AL      | DETS 3521# | 1.5  | mg/kg | 1.79    | < 1.50  | < 1.50  | < 1.50  | 1.66    | < 1.50  | 1.72    |
| Aliphatic >EC12-EC16: EH_2D_AL      | DETS 3521# | 1.2  | mg/kg | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  |
| Aliphatic >EC16-EC21: EH_2D_AL      | DETS 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC21-EC35: EH_2D_AL      | DETS 3521# | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC35-EC40: EH_2D_AL      | DETS 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC40-EC44: EH_2D_AL      | DETS 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic C5-C44: EH_2D+HS_1D_AL    | DETS 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Aromatic C5-C7: HS_1D_AR            | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C7-C8: HS_1D_AR            | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C8-C10: HS_1D_AR           | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic >EC10-EC12: EH_2D_AR       | DETS 3521# | 0.9  | mg/kg | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  |
| Aromatic >EC12-EC16: EH_2D_AR       | DETS 3521# | 0.5  | mg/kg | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  |
| Aromatic >EC16-EC21: EH_2D_AR       | DETS 3521# | 0.6  | mg/kg | < 0.60  | < 0.60  | < 0.60  | < 0.60  | 1.65    | < 0.60  | < 0.60  |

# Summary of Chemical Analysis

## Soil Samples

Our Ref 25-12719

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

RECEIVED: 16/10/2025

| Lab No          | 2519596    | 2519597    | 2519598    | 2519599    | 2519600    | 2519601    | 2519602    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | BH03       | BH04       | BH05       | BH07       | BH12       | BH14       | BH17       |
| Depth ~         | 1.00       | 0.50       | 1.00       | 1.00       | 0.50       | 1.00       | 1.00       |
| Other ID ~      |            |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 01/06/2025 | 01/06/2025 | 01/06/2025 | 01/06/2025 | 31/05/2025 | 31/05/2025 | 31/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method     | LOD  | Units |         |         |         |         |        |         |         |
|---------------------------------------|------------|------|-------|---------|---------|---------|---------|--------|---------|---------|
| Aromatic >EC21-EC35: EH_2D_AR         | DETC 3521# | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | 120.1  | < 1.40  | < 1.40  |
| Aromatic >EC35-EC40: EH_2D_AR         | DETC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | 140.5  | < 1.40  | < 1.40  |
| Aromatic >EC40-EC44: EH_2D_AR         | DETC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | 27.35  | < 1.40  | < 1.40  |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | 289.6  | < 10.00 | < 10.00 |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | 289.6  | < 10.00 | < 10.00 |
| EPH >C24-C40: EH_2D_Total             | DETC 3521# | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | 257.3  | < 10.00 | < 10.00 |
| Benzene                               | DETC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| Ethylbenzene                          | DETC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| Toluene                               | DETC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| Xylene                                | DETC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| MTBE                                  | DETC 3321  | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| <b>PAHs</b>                           |            |      |       |         |         |         |         |        |         |         |
| Naphthalene                           | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| Acenaphthylene                        | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| Acenaphthene                          | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| Fluorene                              | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| Phenanthrene                          | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| Anthracene                            | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| Fluoranthene                          | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | 0.3    | < 0.1   | < 0.1   |
| Pyrene                                | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | 0.3    | < 0.1   | < 0.1   |
| Benzo(a)anthracene                    | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | 0.2    | < 0.1   | < 0.1   |
| Chrysene                              | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | 0.2    | < 0.1   | < 0.1   |
| Benzo(b)fluoranthene                  | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| Benzo(k)fluoranthene                  | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| Benzo(a)pyrene                        | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| Indeno(1,2,3-c,d)pyrene               | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| Dibenzo(a,h)anthracene                | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| Benzo(g,h,i)perylene                  | DETC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| Coronene                              | DETC 3301* | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   |
| PAH 16 Total                          | DETC 3301  | 1.6  | mg/kg | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6  | < 1.6   | < 1.6   |
| <b>PCBs</b>                           |            |      |       |         |         |         |         |        |         |         |
| PCB 28 + PCB 31                       | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 52                                | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 101                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 118                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 153                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 138                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 180                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 7 Total                           | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| <b>Phenols</b>                        |            |      |       |         |         |         |         |        |         |         |
| Phenol - Monohydric                   | DETC 2130# | 0.3  | mg/kg | < 0.3   | < 0.3   | < 0.3   | 3.1     | < 0.3  | 0.5     | 0.3     |

# Summary of Chemical Analysis Soil Samples

Our Ref 25-12719  
Client Ref ~ 24-0211  
Contract Title ~ Kingston Lands Galway

RECEIVED: 16/10/2025

| Lab No          | 2519603    | 2519604    | 2519605    | 2519606    | 2519607    | 2519608    | 2519609    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | ETP05      | ETP07      | ETP07      | ETP09      | ETP10      | ETP11      | TP18       |
| Depth ~         | 0.50       | 0.50       | 1.00       | 0.50       | 1.00       | 0.50       | 0.50       |
| Other ID ~      |            |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 30/05/2025 | 30/05/2025 | 30/05/2025 | 30/05/2025 | 30/05/2025 | 30/05/2025 | 30/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                             | Method      | LOD  | Units |         |         |         |         |         |         |         |
|----------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|---------|
| <b>Preparation</b>               |             |      |       |         |         |         |         |         |         |         |
| Moisture Content                 | DETSC 1004  | 0.1  | %     | 10      | 27      | 35      | 12      | 5.5     | 5.9     | 8.3     |
| <b>Metals</b>                    |             |      |       |         |         |         |         |         |         |         |
| Antimony                         | DETSC 2301* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Arsenic                          | DETSC 2301# | 0.2  | mg/kg | 2.5     | 4.2     | 4.0     | 5.0     | 0.2     | 2.3     | 2.6     |
| Barium                           | DETSC 2301# | 1.5  | mg/kg | 17      | 24      | 23      | 28      | < 1.5   | 16      | 6.5     |
| Boron, Water Soluble (2.5:1)     | DETSC 2311# | 0.2  | mg/kg | < 0.2   | 1.1     | 1.7     | 0.4     | 0.3     | 0.3     | 0.3     |
| Cadmium                          | DETSC 2301# | 0.1  | mg/kg | < 0.1   | 0.5     | 0.5     | 0.6     | < 0.1   | 0.3     | 0.2     |
| Chromium                         | DETSC 2301# | 0.15 | mg/kg | 7.0     | 3.4     | 3.9     | 7.4     | < 0.15  | 3.8     | 5.4     |
| Chromium III                     | DETSC 2301* | 0.15 | mg/kg | 7.0     | 3.4     | 3.9     | 7.4     | < 0.15  | 3.8     | 5.4     |
| Chromium, Hexavalent             | DETSC 2204* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Copper                           | DETSC 2301# | 0.2  | mg/kg | 9.3     | 34      | 32      | 30      | < 0.2   | 15      | 22      |
| Lead                             | DETSC 2301# | 0.3  | mg/kg | 23      | 27      | 25      | 140     | 0.6     | 49      | 59      |
| Mercury                          | DETSC 2325# | 0.05 | mg/kg | < 0.05  | 0.08    | 0.07    | 0.06    | < 0.05  | < 0.05  | < 0.05  |
| Molybdenum                       | DETSC 2301# | 0.4  | mg/kg | 1.4     | 7.1     | 6.4     | 7.2     | < 0.4   | 1.8     | 4.4     |
| Nickel                           | DETSC 2301# | 1    | mg/kg | 6.4     | 2.9     | 2.9     | 5.0     | < 1.0   | 3.6     | 3.0     |
| Selenium                         | DETSC 2301# | 0.5  | mg/kg | < 0.5   | 1.1     | 1.1     | 0.5     | < 0.5   | < 0.5   | < 0.5   |
| Zinc                             | DETSC 2301# | 1    | mg/kg | 36      | 59      | 63      | 46      | < 1.0   | 28      | 18      |
| <b>Inorganics</b>                |             |      |       |         |         |         |         |         |         |         |
| pH                               | DETSC 2008# |      | pH    | 6.4     | 6.9     | 6.8     | 6.3     | 7.0     | 8.0     | 7.3     |
| Cyanide, Total                   | DETSC 2130# | 0.1  | mg/kg | 0.1     | 0.4     | 0.5     | 0.2     | 0.1     | < 0.1   | 0.1     |
| Total Organic Carbon             | DETSC 2084# | 0.5  | %     | 1.3     | 13      | 12      | 2.9     | 1.4     | 1.4     | 1.5     |
| Sulphide                         | DETSC 2024* | 10   | mg/kg | 15      | 35      | 54      | 19      | 19      | 19      | 12      |
| Sulphur (free)                   | DETSC 3049# | 0.75 | mg/kg | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  |
| Sulphate as SO4, Total           | DETSC 2321# | 0.01 | %     | 0.02    | 0.02    | 0.05    | 0.22    | 0.22    | 0.11    | 0.15    |
| <b>Petroleum Hydrocarbons</b>    |             |      |       |         |         |         |         |         |         |         |
| Aliphatic C5-C6: HS_1D_AL        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C6-C8: HS_1D_AL        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | 0.06    | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C8-C10: HS_1D_AL       | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | 0.03    | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic >EC10-EC12: EH_2D_AL   | DETSC 3521# | 1.5  | mg/kg | 1.84    | 2.13    | < 1.50  | < 1.50  | 1.63    | < 1.50  | < 1.50  |
| Aliphatic >EC12-EC16: EH_2D_AL   | DETSC 3521# | 1.2  | mg/kg | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  |
| Aliphatic >EC16-EC21: EH_2D_AL   | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC21-EC35: EH_2D_AL   | DETSC 3521# | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC35-EC40: EH_2D_AL   | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC40-EC44: EH_2D_AL   | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic C5-C44: EH_2D+HS_1D_AL | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Aromatic C5-C7: HS_1D_AR         | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C7-C8: HS_1D_AR         | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C8-C10: HS_1D_AR        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic >EC10-EC12: EH_2D_AR    | DETSC 3521# | 0.9  | mg/kg | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  |
| Aromatic >EC12-EC16: EH_2D_AR    | DETSC 3521# | 0.5  | mg/kg | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  |
| Aromatic >EC16-EC21: EH_2D_AR    | DETSC 3521# | 0.6  | mg/kg | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  | 2.81    |

# Summary of Chemical Analysis

## Soil Samples

Our Ref 25-12719

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

RECEIVED: 16/10/2025

| Lab No          | 2519603    | 2519604    | 2519605    | 2519606    | 2519607    | 2519608    | 2519609    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | ETP05      | ETP07      | ETP07      | ETP09      | ETP10      | ETP11      | TP18       |
| Depth ~         | 0.50       | 0.50       | 1.00       | 0.50       | 1.00       | 0.50       | 0.50       |
| Other ID ~      |            |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 30/05/2025 | 30/05/2025 | 30/05/2025 | 30/05/2025 | 30/05/2025 | 30/05/2025 | 30/05/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method     | LOD  | Units |         |         |        |         |         |         |         |
|---------------------------------------|------------|------|-------|---------|---------|--------|---------|---------|---------|---------|
| Aromatic >EC21-EC35: EH_2D_AR         | DETS 3521# | 1.4  | mg/kg | < 1.40  | 3.25    | 11.67  | < 1.40  | < 1.40  | < 1.40  | 2.42    |
| Aromatic >EC35-EC40: EH_2D_AR         | DETS 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | 21.53  | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic >EC40-EC44: EH_2D_AR         | DETS 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40 | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETS 3521* | 10   | mg/kg | < 10.00 | < 10.00 | 33.20  | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETS 3521* | 10   | mg/kg | < 10.00 | < 10.00 | 33.20  | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| EPH >C24-C40: EH_2D_Total             | DETS 3521# | 10   | mg/kg | < 10.00 | < 10.00 | 33.20  | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Benzene                               | DETS 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Ethylbenzene                          | DETS 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Toluene                               | DETS 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Xylene                                | DETS 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| MTBE                                  | DETS 3321  | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>PAHs</b>                           |            |      |       |         |         |        |         |         |         |         |
| Naphthalene                           | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Acenaphthylene                        | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Acenaphthene                          | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Fluorene                              | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Phenanthrene                          | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Anthracene                            | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Fluoranthene                          | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Pyrene                                | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(a)anthracene                    | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Chrysene                              | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(b)fluoranthene                  | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(k)fluoranthene                  | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(a)pyrene                        | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Indeno(1,2,3-c,d)pyrene               | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Dibenzo(a,h)anthracene                | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Benzo(g,h,i)perylene                  | DETS 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| Coronene                              | DETS 3301* | 0.1  | mg/kg | < 0.1   | < 0.1   | < 0.1  | < 0.1   | < 0.1   | < 0.1   | < 0.1   |
| PAH 16 Total                          | DETS 3301  | 1.6  | mg/kg | < 1.6   | < 1.6   | < 1.6  | < 1.6   | < 1.6   | < 1.6   | < 1.6   |
| <b>PCBs</b>                           |            |      |       |         |         |        |         |         |         |         |
| PCB 28 + PCB 31                       | DETS 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 52                                | DETS 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 101                               | DETS 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 118                               | DETS 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 153                               | DETS 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 138                               | DETS 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 180                               | DETS 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 7 Total                           | DETS 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>Phenols</b>                        |            |      |       |         |         |        |         |         |         |         |
| Phenol - Monohydric                   | DETS 2130# | 0.3  | mg/kg | < 0.3   | 1.1     | 1.4    | 0.7     | < 0.3   | < 0.3   | < 0.3   |

RECEIVED: 16/10/2025

# Summary of Chemical Analysis

## Soil Samples

Our Ref 25-12719

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

|                 |            |            |
|-----------------|------------|------------|
| Lab No          | 2519610    | 2519611    |
| Sample ID ~     | TP19       | TP20       |
| Depth ~         | 0.50       | 0.50       |
| Other ID ~      |            |            |
| Sample Type ~   | ES         | ES         |
| Sampling Date ~ | 30/05/2025 | 28/05/2025 |
| Sampling Time ~ | n/s        | n/s        |

| Test                                | Method     | LOD  | Units |         |         |
|-------------------------------------|------------|------|-------|---------|---------|
| <b>Preparation</b>                  |            |      |       |         |         |
| Moisture Content                    | DETS 1004  | 0.1  | %     | 4.1     | 6.0     |
| <b>Metals</b>                       |            |      |       |         |         |
| Antimony                            | DETS 2301* | 1    | mg/kg | < 1.0   | < 1.0   |
| Arsenic                             | DETS 2301# | 0.2  | mg/kg | 1.2     | 2.6     |
| Barium                              | DETS 2301# | 1.5  | mg/kg | 7.0     | 8.7     |
| Boron, Water Soluble (2.5:1)        | DETS 2311# | 0.2  | mg/kg | < 0.2   | < 0.2   |
| Cadmium                             | DETS 2301# | 0.1  | mg/kg | < 0.1   | 0.2     |
| Chromium                            | DETS 2301# | 0.15 | mg/kg | 2.0     | 3.5     |
| Chromium III                        | DETS 2301* | 0.15 | mg/kg | 2.0     | 3.5     |
| Chromium, Hexavalent                | DETS 2204* | 1    | mg/kg | < 1.0   | < 1.0   |
| Copper                              | DETS 2301# | 0.2  | mg/kg | 8.4     | 31      |
| Lead                                | DETS 2301# | 0.3  | mg/kg | 14      | 110     |
| Mercury                             | DETS 2325# | 0.05 | mg/kg | < 0.05  | < 0.05  |
| Molybdenum                          | DETS 2301# | 0.4  | mg/kg | 1.9     | 3.1     |
| Nickel                              | DETS 2301# | 1    | mg/kg | 1.7     | 2.7     |
| Selenium                            | DETS 2301# | 0.5  | mg/kg | < 0.5   | < 0.5   |
| Zinc                                | DETS 2301# | 1    | mg/kg | 18      | 24      |
| <b>Inorganics</b>                   |            |      |       |         |         |
| pH                                  | DETS 2008# |      | pH    | 7.3     | 6.9     |
| Cyanide, Total                      | DETS 2130# | 0.1  | mg/kg | < 0.1   | 0.1     |
| Total Organic Carbon                | DETS 2084# | 0.5  | %     | 0.9     | 1.3     |
| Sulphide                            | DETS 2024* | 10   | mg/kg | 15      | 12      |
| Sulphur (free)                      | DETS 3049# | 0.75 | mg/kg | < 0.75  | < 0.75  |
| Sulphate as SO <sub>4</sub> , Total | DETS 2321# | 0.01 | %     | 0.03    | 0.05    |
| <b>Petroleum Hydrocarbons</b>       |            |      |       |         |         |
| Aliphatic C5-C6: HS_1D_AL           | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  |
| Aliphatic C6-C8: HS_1D_AL           | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  |
| Aliphatic C8-C10: HS_1D_AL          | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  |
| Aliphatic >EC10-EC12: EH_2D_AL      | DETS 3521# | 1.5  | mg/kg | 1.76    | 1.97    |
| Aliphatic >EC12-EC16: EH_2D_AL      | DETS 3521# | 1.2  | mg/kg | < 1.20  | < 1.20  |
| Aliphatic >EC16-EC21: EH_2D_AL      | DETS 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  |
| Aliphatic >EC21-EC35: EH_2D_AL      | DETS 3521# | 3.4  | mg/kg | < 3.40  | < 3.40  |
| Aliphatic >EC35-EC40: EH_2D_AL      | DETS 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  |
| Aliphatic >EC40-EC44: EH_2D_AL      | DETS 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  |
| Aliphatic C5-C44: EH_2D+HS_1D_AL    | DETS 3521* | 10   | mg/kg | < 10.00 | < 10.00 |
| Aromatic C5-C7: HS_1D_AR            | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  |
| Aromatic C7-C8: HS_1D_AR            | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  |
| Aromatic C8-C10: HS_1D_AR           | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  |
| Aromatic >EC10-EC12: EH_2D_AR       | DETS 3521# | 0.9  | mg/kg | < 0.90  | < 0.90  |
| Aromatic >EC12-EC16: EH_2D_AR       | DETS 3521# | 0.5  | mg/kg | < 0.50  | < 0.50  |
| Aromatic >EC16-EC21: EH_2D_AR       | DETS 3521# | 0.6  | mg/kg | < 0.60  | 1.63    |

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# Summary of Chemical Analysis

## Soil Samples

Our Ref 25-12719

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

|                 |            |            |
|-----------------|------------|------------|
| Lab No          | 2519610    | 2519611    |
| Sample ID ~     | TP19       | TP20       |
| Depth ~         | 0.50       | 0.50       |
| Other ID ~      |            |            |
| Sample Type ~   | ES         | ES         |
| Sampling Date ~ | 30/05/2025 | 28/05/2025 |
| Sampling Time ~ | n/s        | n/s        |

| Test                                  | Method      | LOD  | Units |         |         |
|---------------------------------------|-------------|------|-------|---------|---------|
| Aromatic >EC21-EC35: EH_2D_AR         | DETSC 3521# | 1.4  | mg/kg | < 1.40  | 3.74    |
| Aromatic >EC35-EC40: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  |
| Aromatic >EC40-EC44: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 |
| EPH >C24-C40: EH_2D_Total             | DETSC 3521# | 10   | mg/kg | < 10.00 | < 10.00 |
| Benzene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  |
| Ethylbenzene                          | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  |
| Toluene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  |
| Xylene                                | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  |
| MTBE                                  | DETSC 3321  | 0.01 | mg/kg | < 0.01  | < 0.01  |
| <b>PAHs</b>                           |             |      |       |         |         |
| Naphthalene                           | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Acenaphthylene                        | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Acenaphthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Fluorene                              | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Phenanthrene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Anthracene                            | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Fluoranthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Pyrene                                | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Benzo(a)anthracene                    | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Chrysene                              | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Benzo(b)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Benzo(k)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Benzo(a)pyrene                        | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Indeno(1,2,3-c,d)pyrene               | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Dibenzo(a,h)anthracene                | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Benzo(g,h,i)perylene                  | DETSC 3301  | 0.1  | mg/kg | < 0.1   | < 0.1   |
| Coronene                              | DETSC 3301* | 0.1  | mg/kg | < 0.1   | < 0.1   |
| PAH 16 Total                          | DETSC 3301  | 1.6  | mg/kg | < 1.6   | < 1.6   |
| <b>PCBs</b>                           |             |      |       |         |         |
| PCB 28 + PCB 31                       | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  |
| PCB 52                                | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  |
| PCB 101                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  |
| PCB 118                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  |
| PCB 153                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  |
| PCB 138                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  |
| PCB 180                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  |
| PCB 7 Total                           | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  |
| <b>Phenols</b>                        |             |      |       |         |         |
| Phenol - Monohydric                   | DETSC 2130# | 0.3  | mg/kg | < 0.3   | < 0.3   |

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## Summary of Chemical Analysis

### Leachate Samples

Our Ref 25-12719  
 Client Ref ~ 24-0211  
 Contract Title ~ Kingston Lands Galway

|                        |            |            |            |            |            |            |            |            |            |            |            |
|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Lab No</b>          | 2519612    | 2519613    | 2519614    | 2519615    | 2519616    | 2519617    | 2519618    | 2519619    | 2519620    | 2519621    | 2519622    |
| <b>Sample ID ~</b>     | BH03       | BH04       | BH05       | BH07       | BH12       | BH14       | BH17       | ETP05      | ETP07      | ETP07      | ETP09      |
| <b>Depth ~</b>         | 1.00       | 0.50       | 1.00       | 1.00       | 0.50       | 1.00       | 1.00       | 0.50       | 0.50       | 1.00       | 0.50       |
| <b>Other ID ~</b>      |            |            |            |            |            |            |            |            |            |            |            |
| <b>Sample Type ~</b>   | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| <b>Sampling Date ~</b> | 01/06/2025 | 01/06/2025 | 01/06/2025 | 01/06/2025 | 31/05/2025 | 31/05/2025 | 31/05/2025 | 30/05/2025 | 30/05/2025 | 30/05/2025 | 30/05/2025 |
| <b>Sampling Time ~</b> | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                       | Method    | LOD    | Units |        |        |        |        |        |        |        |        |        |        |        |
|----------------------------|-----------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Inorganics</b>          |           |        |       |        |        |        |        |        |        |        |        |        |        |        |
| Un-Ionised Ammonia         | *         | 0.02   | mg/l  | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Ammoniacal Nitrogen as NH4 | DETS 2207 | 0.0193 | mg/l  | 0.22   | < 0.02 | 0.94   | 0.60   | < 0.02 | 0.06   | < 0.02 | < 0.02 | 1.6    | 2.0    | 0.05   |

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## Summary of Chemical Analysis

### Leachate Samples

Our Ref 25-12719  
 Client Ref ~ 24-0211  
 Contract Title ~ Kingston Lands Galway

|                        |            |            |            |            |            |
|------------------------|------------|------------|------------|------------|------------|
| <b>Lab No</b>          | 2519623    | 2519624    | 2519625    | 2519626    | 2519627    |
| <b>Sample ID ~</b>     | ETP10      | ETP11      | TP18       | TP19       | TP20       |
| <b>Depth ~</b>         | 1.00       | 0.50       | 0.50       | 0.50       | 0.50       |
| <b>Other ID ~</b>      |            |            |            |            |            |
| <b>Sample Type ~</b>   | ES         | ES         | ES         | ES         | ES         |
| <b>Sampling Date ~</b> | 30/05/2025 | 30/05/2025 | 30/05/2025 | 30/05/2025 | 28/05/2025 |
| <b>Sampling Time ~</b> | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                       | Method    | LOD    | Units |        |        |        |        |        |
|----------------------------|-----------|--------|-------|--------|--------|--------|--------|--------|
| <b>Inorganics</b>          |           |        |       |        |        |        |        |        |
| Un-Ionised Ammonia         | *         | 0.02   | mg/l  | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Ammoniacal Nitrogen as NH4 | DETS 2207 | 0.0193 | mg/l  | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 |

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## Summary of Asbestos Analysis Soil Samples

Our Ref 25-12719

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands Galway

| Lab No  | Sample ID  | Material Type | Result | Comment* | Analyst    |
|---------|------------|---------------|--------|----------|------------|
| 2519596 | BH03 1.00  | SOIL          | NAD    | none     | Ben Barsby |
| 2519597 | BH04 0.50  | SOIL          | NAD    | none     | Ben Barsby |
| 2519598 | BH05 1.00  | SOIL          | NAD    | none     | Ben Barsby |
| 2519599 | BH07 1.00  | SOIL          | NAD    | none     | Ben Barsby |
| 2519600 | BH12 0.50  | SOIL          | NAD    | none     | Ben Barsby |
| 2519601 | BH14 1.00  | SOIL          | NAD    | none     | Ben Barsby |
| 2519602 | BH17 1.00  | SOIL          | NAD    | none     | Ben Barsby |
| 2519603 | ETP05 0.50 | SOIL          | NAD    | none     | Ben Barsby |
| 2519604 | ETP07 0.50 | SOIL          | NAD    | none     | Ben Barsby |
| 2519605 | ETP07 1.00 | SOIL          | NAD    | none     | Ben Barsby |
| 2519606 | ETP09 0.50 | SOIL          | NAD    | none     | Ben Barsby |
| 2519607 | ETP10 1.00 | SOIL          | NAD    | none     | Ben Barsby |
| 2519608 | ETP11 0.50 | SOIL          | NAD    | none     | Ben Barsby |
| 2519609 | TP18 0.50  | SOIL          | NAD    | none     | Ben Barsby |
| 2519610 | TP19 0.50  | SOIL          | NAD    | none     | Ben Barsby |
| 2519611 | TP20 0.50  | SOIL          | NAD    | none     | Ben Barsby |

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: \* -not included in laboratory scope of accreditation.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id BH03 1.00

Sample Numbers 2519596 2519612  
 Date Analysed 25/06/2025

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| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.2    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 2.2    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.1    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.55                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 35                  | 0.4                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.59                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 5.2                 | 0.05                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 9.1                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1                   | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 1.3                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.2                 | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.6                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 42                  | 0.42                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1500                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 300                 | 3                    | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 2800                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 84000               | 840                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 9100                | 91                   | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.8   |
| DETSC 2009 Conductivity uS/cm | 120.0 |
| * Temperature*                | 19.0  |
| Mass of Sample Kg             | 0.110 |
| Mass of dry Sample Kg         | 0.098 |
| Stage 1                       |       |
| Volume of Leachant L2         | 0.97  |
| Volume of Eluate VE1          | 0.83  |

|                             |
|-----------------------------|
| TBE - To Be Evaluated       |
| SNRHW - Stable Non-Reactive |
| Hazardous Waste             |

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id BH04 0.50

Sample Numbers 2519597 2519613  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.2    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 2.1    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.3    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.78                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 55                  | 0.6                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.8                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 5                   | 0.05                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 6.6                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.97                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.92                | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.36                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.92                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 67                  | 0.67                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2700                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 320                 | 3.2                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 4100                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 88000               | 880                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 13000               | 130                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.7   |
| DETSC 2009 Conductivity uS/cm | 126.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.110 |
| Mass of dry Sample Kg | 0.099 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.982 |
| Volume of Eluate VE1  | 0.83  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id BH05 1.00

Sample Numbers 2519598 2519614  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 3.1    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 5.6    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.3    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.4                 | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 20                  | 0.2                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.28                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 2                   | 0.02                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 3.9                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.21                | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | < 0.25              | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 31                  | 0.31                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 4200                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 190                 | 1.9                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 32000               | 320                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 160000              | 1600                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 15000               | 150                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.7   |
| DETSC 2009 Conductivity uS/cm | 232.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.110 |
| Mass of dry Sample Kg | 0.097 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.952 |
| Volume of Eluate VE1  | 0.85  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id BH07 1.00

Sample Numbers 2519599 2519615  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 39.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 72.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.1    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.54                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 47                  | 0.5                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | < 0.25              | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 3.4                 | 0.03                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 4.8                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.42                | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.28                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.76                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 56                  | 0.56                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 4400                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 39000               | 390                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 92000               | 920                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 7100                | 71                   | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.3   |
| DETSC 2009 Conductivity uS/cm | 132.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.140 |
| Mass of dry Sample Kg | 0.046 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.363 |
| Volume of Eluate VE1  | 0.363 |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id BH12 0.50

Sample Numbers 2519600 2519616  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.3    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.6    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 260.0  | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.3    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.1                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 32                  | 0.3                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.13                | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 2.6                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 14                  | 0.14                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.052               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 5.5                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 2                   | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 8                   | 0.08                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.21                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.7                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 80                  | 0.8                  | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2300                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 350                 | 3.5                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 3800                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 83000               | 830                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 6500                | 65                   | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.5   |
| DETSC 2009 Conductivity uS/cm | 118.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.094 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.937 |
| Volume of Eluate VE1  | 0.85  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id BH14 1.00

Sample Numbers 2519601 2519617  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 2.7    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 4.5    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.0    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.61                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 9.9                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.036               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.4                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 11                  | 0.11                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.011               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 2.3                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.3                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 3.7                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.65                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 18                  | 0.18                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 4300                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 27000               | 270                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 78000               | 780                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 16000               | 160                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.1   |
| DETSC 2009 Conductivity uS/cm | 111.0 |
| * Temperature*                | 19.0  |
| Mass of Sample Kg             | 0.110 |
| Mass of dry Sample Kg         | 0.094 |
| Stage 1                       |       |
| Volume of Leachant L2         | 0.927 |
| Volume of Eluate VE1          | 0.71  |

|                             |
|-----------------------------|
| TBE - To Be Evaluated       |
| SNRHW - Stable Non-Reactive |
| Hazardous Waste             |

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id BH17 1.00

Sample Numbers 2519602 2519618  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.9    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.9    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.7    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.63                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 2.9                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.7                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 6.1                 | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | < 1.1               | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1                   | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.3                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.67                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 8.1                 | 0.08                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2400                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 5600                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 33000               | 330                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 14000               | 140                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.9  |
| DETSC 2009 Conductivity uS/cm | 46.7 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.092 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.916 |
| Volume of Eluate VE1  | 0.87  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP05 0.50

Sample Numbers 2519603 2519619  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.3    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 2.5    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.4    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.75                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 3.4                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.031               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 2.3                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 6.2                 | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | < 1.1               | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.3                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 3.3                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.77                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 4.3                 | 0.04                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2100                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 2200                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 21000               | 210                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 10000               | 100                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.4  |
| DETSC 2009 Conductivity uS/cm | 29.9 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.110 |
| Mass of dry Sample Kg | 0.099 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.978 |
| Volume of Eluate VE1  | 0.81  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP07 0.50

Sample Numbers 2519604 2519620  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 13.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 24.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.9    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.1                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 150                 | 1.5                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.055               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.77                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 9.8                 | 0.1                  | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.015               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 30                  | 0.3                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.3                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 6.6                 | 0.07                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.36                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.2                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 290                 | 2.9                  | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 4300                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 9500                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 120000              | 1200                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 17000               | 170                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.4   |
| DETSC 2009 Conductivity uS/cm | 171.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.140 |
| Mass of dry Sample Kg | 0.102 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.977 |
| Volume of Eluate VE1  | 0.75  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP07 1.00

Sample Numbers 2519605 2519621  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 12.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 26.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 33.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.8    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.1                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 44                  | 0.4                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.053               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.62                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 7.4                 | 0.07                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 26                  | 0.3                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1                   | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 4                   | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.43                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.82                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 55                  | 0.55                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 3100                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 40000               | 400                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 170000              | 1700                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 16000               | 160                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.3   |
| DETSC 2009 Conductivity uS/cm | 241.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.140 |
| Mass of dry Sample Kg | 0.092 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.867 |
| Volume of Eluate VE1  | 0.603 |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP09 0.50

Sample Numbers 2519606 2519622  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 2.9    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 5.2    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.3    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.88                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 7.1                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.31                | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 3.9                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 14                  | 0.14                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.018               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 3.8                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.7                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 12                  | 0.12                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1                   | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 30                  | 0.3                  | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 4400                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 7600                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 40000               | 400                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 9100                | 91                   | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.9  |
| DETSC 2009 Conductivity uS/cm | 56.6 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.110 |
| Mass of dry Sample Kg | 0.097 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.954 |
| Volume of Eluate VE1  | 0.87  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP10 1.00

Sample Numbers 2519607 2519623  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.4    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 2.3    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.0    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.6                 | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 3.6                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.17                | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.2                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 9.9                 | 0.1                  | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.015               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 1.6                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.87                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 4.4                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.24                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.62                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 11                  | 0.11                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1900                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 150                 | 1.5                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 2700                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 27000               | 270                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 13000               | 130                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.6  |
| DETSC 2009 Conductivity uS/cm | 37.8 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.094 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.939 |
| Volume of Eluate VE1  | 0.87  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id ETP11 0.50

Sample Numbers 2519608 2519624  
 Date Analysed 25/06/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.4    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 2.6    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.0    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.5                 | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 51                  | 0.5                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.034               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.28                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 7.3                 | 0.07                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.025               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 2.9                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 1.1                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.29                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.84                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 110                 | 1.1                  | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1800                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 230                 | 2.3                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1500                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 69000               | 690                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 12000               | 120                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 7.4  |
| DETSC 2009 Conductivity uS/cm | 99.0 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.094 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.936 |
| Volume of Eluate VE1  | 0.85  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP18 0.50

Sample Numbers 2519609 2519625  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.5    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 2.6    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.3    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.6                 | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 6.3                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.068               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 13                  | 0.1                  | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 14                  | 0.14                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.01                | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 3.1                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.64                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 7.3                 | 0.07                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.19                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.58                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 16                  | 0.16                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1600                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 110                 | 1.1                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 5300                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 33000               | 330                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 7800                | 78                   | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.9  |
| DETSC 2009 Conductivity uS/cm | 46.5 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.110 |
| Mass of dry Sample Kg | 0.101 |

Stage 1

|                       |      |
|-----------------------|------|
| Volume of Leachant L2 | 1    |
| Volume of Eluate VE1  | 0.87 |

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP19 0.50

Sample Numbers 2519610 2519626  
 Date Analysed 25/06/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 0.9    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 1.3    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.3    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.6                 | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 2.2                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.048               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.7                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 7.4                 | 0.07                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | < 1.1               | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.77                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.9                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.5                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 4.7                 | 0.05                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1900                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1500                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 15000               | 150                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 6900                | 69                   | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.4  |
| DETSC 2009 Conductivity uS/cm | 21.3 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.096 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.955 |
| Volume of Eluate VE1  | 0.83  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-12719  
 Client Ref 24-0211  
 Contract Title Kingston Lands Galway  
 Sample Id TP20 0.50

Sample Numbers 2519611 2519627  
 Date Analysed 25/06/2025

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| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.3    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 2.7    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.9    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.78                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 2.2                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.13                | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.6                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 31                  | 0.31                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.011               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 4                   | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.88                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 21                  | 0.21                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.25                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.89                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 5.3                 | 0.05                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1200                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 200                 | 2                    | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1400                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 18000               | 180                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 9800                | 98                   | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 9.0  |
| DETSC 2009 Conductivity uS/cm | 26.3 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.094 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.935 |
| Volume of Eluate VE1  | 0.83  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

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## Information in Support of the Analytical Results

Our Ref 25-12719  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands Galway

### Containers Received & Deviating Samples

| Lab No  | Sample ID ~         | Date<br>Sampled ~ | Containers Received         | Holding time exceeded for tests                     | Incorrect<br>container for tests |
|---------|---------------------|-------------------|-----------------------------|-----------------------------------------------------|----------------------------------|
| 2519596 | BH03 1.00 SOIL      | 01/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519597 | BH04 0.50 SOIL      | 01/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519598 | BH05 1.00 SOIL      | 01/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519599 | BH07 1.00 SOIL      | 01/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519600 | BH12 0.50 SOIL      | 31/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519601 | BH14 1.00 SOIL      | 31/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519602 | BH17 1.00 SOIL      | 31/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519603 | ETP05 0.50 SOIL     | 30/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519604 | ETP07 0.50 SOIL     | 30/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519605 | ETP07 1.00 SOIL     | 30/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519606 | ETP09 0.50 SOIL     | 30/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519607 | ETP10 1.00 SOIL     | 30/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519608 | ETP11 0.50 SOIL     | 30/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519609 | TP18 0.50 SOIL      | 30/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519610 | TP19 0.50 SOIL      | 30/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519611 | TP20 0.50 SOIL      | 28/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days) |                                  |
| 2519612 | BH03 1.00 LEACHATE  | 01/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519613 | BH04 0.50 LEACHATE  | 01/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519614 | BH05 1.00 LEACHATE  | 01/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519615 | BH07 1.00 LEACHATE  | 01/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519616 | BH12 0.50 LEACHATE  | 31/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519617 | BH14 1.00 LEACHATE  | 31/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519618 | BH17 1.00 LEACHATE  | 31/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519619 | ETP05 0.50 LEACHATE | 30/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |
| 2519620 | ETP07 0.50 LEACHATE | 30/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 |                                                     |                                  |

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## Information in Support of the Analytical Results

Our Ref 25-12719  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands Galway

| Lab No  | Sample ID ~         | Date      | Containers Received         | Holding time exceeded for tests | Incorrect container for tests |
|---------|---------------------|-----------|-----------------------------|---------------------------------|-------------------------------|
|         |                     | Sampled ~ |                             |                                 |                               |
| 2519621 | ETP07 1.00 LEACHATE | 30/05/25  | GJ 250ml, GJ 60ml, PT 1L x2 |                                 |                               |
| 2519622 | ETP09 0.50 LEACHATE | 30/05/25  | GJ 250ml, GJ 60ml, PT 1L x2 |                                 |                               |
| 2519623 | ETP10 1.00 LEACHATE | 30/05/25  | GJ 250ml, GJ 60ml, PT 1L x2 |                                 |                               |
| 2519624 | ETP11 0.50 LEACHATE | 30/05/25  | GJ 250ml, GJ 60ml, PT 1L x2 |                                 |                               |
| 2519625 | TP18 0.50 LEACHATE  | 30/05/25  | GJ 250ml, GJ 60ml, PT 1L x2 |                                 |                               |
| 2519626 | TP19 0.50 LEACHATE  | 30/05/25  | GJ 250ml, GJ 60ml, PT 1L x2 |                                 |                               |
| 2519627 | TP20 0.50 LEACHATE  | 28/05/25  | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days) |                               |

| Lab No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Sample ID           | Comments                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------|
| 2519612                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BH03 1.00 LEACHATE  | Insufficient sample 1732g (<2kg) Sample received  |
| 2519615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | BH07 1.00 LEACHATE  | Insufficient sample 976.0g (<2kg) Sample received |
| 2519621                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ETP07 1.00 LEACHATE | Insufficient sample 1869g (<2kg) Sample received  |
| <p>Key: G-Glass P-Plastic J-Jar T-Tub</p> <p>Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.</p> |                     |                                                   |

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve  
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.  
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-  
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

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## Information in Support of the Analytical Results

List of HWOL Acronyms and Operators

| Acronym | Description                                                         |
|---------|---------------------------------------------------------------------|
| HS      | Headspace analysis                                                  |
| EH      | Extractable Hydrocarbons - i.e. everything extracted by the solvent |
| CU      | Clean-up - e.g. by florisil, silica gel                             |
| 1D      | GC - Single coil gas chromatography                                 |
| 2D      | GC-GC - Double coil gas chromatography                              |
| Total   | Aliphatics & Aromatics                                              |
| AL      | Aliphatics only                                                     |
| AR      | Aromatics only                                                      |
| #1      | EH_2D_Total but with humics mathematically subtracted               |
| #2      | EH_2D_Total but with fatty acids mathematically subtracted          |
| _       | Operator - underscore to separate acronyms (exception for +)        |
| +       | Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total   |

| Det                             | Acronym           |
|---------------------------------|-------------------|
| Aliphatic C5-C6                 | HS_1D_AL          |
| Aliphatic C6-C8                 | HS_1D_AL          |
| Aliphatic C8-C10                | HS_1D_AL          |
| Aliphatic >EC10-EC12            | EH_2D_AL          |
| Aliphatic >EC12-EC16            | EH_2D_AL          |
| Aliphatic >EC16-EC21            | EH_2D_AL          |
| Aliphatic >EC21-EC35            | EH_2D_AL          |
| Aliphatic >EC35-EC40            | EH_2D_AL          |
| Aliphatic >EC40-EC44            | EH_2D_AL          |
| Aliphatic C5-C44                | EH_2D+HS_1D_AL    |
| Aromatic C5-C7                  | HS_1D_AR          |
| Aromatic C7-C8                  | HS_1D_AR          |
| Aromatic C8-C10                 | HS_1D_AR          |
| Aromatic >EC10-EC12             | EH_2D_AR          |
| Aromatic >EC12-EC16             | EH_2D_AR          |
| Aromatic >EC16-EC21             | EH_2D_AR          |
| Aromatic >EC21-EC35             | EH_2D_AR          |
| Aromatic >EC35-EC40             | EH_2D_AR          |
| Aromatic >EC40-EC44             | EH_2D_AR          |
| Aromatic C5-C44                 | EH_2D+HS_1D_AR    |
| TPH Ali/Aro C5-C44              | EH_2D+HS_1D_Total |
| EPH >C24-C40                    | EH_2D_Total       |
| Mineral Oil >C10-C40 + Clean Up | EH_CU_2D_Total    |

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**Key:**

~ Sample details are provided by the client and can affect the validity of the results

\* -not accredited.

# -MCERTS (accreditation only applies if report carries the MCERTS logo).

\$ -subcontracted.

n/s -not supplied.

I/S -insufficient sample.

U/S -unsuitable sample.

t/f -to follow.

nd -not detected.

**End of Report** Ver 25.03.07

# Certificate of Analysis

RECEIVED: 16/10/2025

Certificate Number 25-14422

Issued: 07-Jul-25

Client Causeway Geotech  
Unit 1 Fingal House  
Stephenstown Industrial Estate  
Balbriggan  
Co. Dublin  
K32 VR66

Our Reference 25-14422

Client Reference ~ 24-0211

Order No ~ (not supplied)

Contract Title ~ Kingston Lands

Description 26 Soil samples, 26 Leachate prepared by DETS samples.

Date Received 25-Jun-25

Date Started 25-Jun-25

Date Completed 07-Jul-25

Test Procedures Identified by prefix DETSn (details on request).

**Notes** Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By



Reyhan Irfan  
Operations Manager



Sample Deviations present. See Deviation Table Section for details.

# Summary of Chemical Analysis Soil Samples

Our Ref 25-14422  
Client Ref ~ 24-0211  
Contract Title ~ Kingston Lands

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| Lab No          | 2528912    | 2528913    | 2528914    | 2528915    | 2528916    | 2528917    | 2528918    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | BH24       | SL01       | SL02       | SL03       | SL04       | SL05       | SL06       |
| Depth ~         | 1.00       | 0.85       | 1.20       | 1.15       | 1.40       | 1.40       | 0.80       |
| Other ID ~      |            |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 29/05/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                             | Method      | LOD  | Units |         |         |         |         |         |         |         |
|----------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|---------|
| <b>Preparation</b>               |             |      |       |         |         |         |         |         |         |         |
| Moisture Content                 | DETSC 1004  | 0.1  | %     | 8.3     | 17      | 16      | 24      | 76      | 13      | 63      |
| <b>Metals</b>                    |             |      |       |         |         |         |         |         |         |         |
| Antimony                         | DETSC 2301* | 1    | mg/kg | 1.8     | 1.5     | 1.9     | 1.7     | < 1.0   | < 1.0   | 1.1     |
| Arsenic                          | DETSC 2301# | 0.2  | mg/kg | 2.4     | 4.0     | 3.4     | 4.2     | 2.3     | 1.4     | 3.7     |
| Barium                           | DETSC 2301# | 1.5  | mg/kg | 1.7     | 32      | 31      | 20      | 14      | 8.9     | 12      |
| Boron, Water Soluble (2.5:1)     | DETSC 2311# | 0.2  | mg/kg | < 0.2   | 0.2     | 0.5     | 0.7     | < 0.2   | < 0.2   | 0.8     |
| Cadmium                          | DETSC 2301# | 0.1  | mg/kg | 0.8     | 0.8     | 1.0     | 0.9     | 1.0     | 0.1     | 0.8     |
| Chromium                         | DETSC 2301# | 0.15 | mg/kg | 29      | 24      | 36      | 27      | 5.4     | 4.2     | 17      |
| Chromium III                     | DETSC 2301* | 0.15 | mg/kg | 29      | 24      | 36      | 27      | 5.4     | 4.2     | 17      |
| Chromium, Hexavalent             | DETSC 2204* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Copper                           | DETSC 2301# | 0.2  | mg/kg | 35      | 36      | 43      | 48      | 72      | 11      | 93      |
| Lead                             | DETSC 2301# | 0.3  | mg/kg | 46      | 63      | 54      | 57      | 3.8     | 22      | 45      |
| Mercury                          | DETSC 2325# | 0.05 | mg/kg | < 0.05  | 0.07    | < 0.05  | 0.05    | < 0.05  | < 0.05  | 0.09    |
| Molybdenum                       | DETSC 2301# | 0.4  | mg/kg | 2.6     | 1.8     | 2.6     | 2.6     | 1.7     | 0.7     | 4.0     |
| Nickel                           | DETSC 2301# | 1    | mg/kg | 15      | 15      | 18      | 15      | 2.4     | 2.8     | 9.1     |
| Selenium                         | DETSC 2301# | 0.5  | mg/kg | 0.9     | 1.1     | 1.7     | 1.2     | 3.6     | < 0.5   | 3.0     |
| Zinc                             | DETSC 2301# | 1    | mg/kg | 5.8     | 21      | 9.0     | 12      | 2.4     | 25      | 1.1     |
| <b>Inorganics</b>                |             |      |       |         |         |         |         |         |         |         |
| pH                               | DETSC 2008# |      | pH    | 8.2     | 8.0     | 6.3     | 6.2     | 6.9     | 7.9     | 6.9     |
| Cyanide, Total                   | DETSC 2130# | 0.1  | mg/kg | < 0.1   | 0.4     | 0.7     | 0.9     | 0.6     | 0.3     | 0.7     |
| Total Organic Carbon             | DETSC 2084# | 0.5  | %     | 0.7     | 3.6     | 4.4     | 7.1     | 33      | 3.2     | 26      |
| Sulphide                         | DETSC 2024* | 10   | mg/kg | < 10    | < 10    | < 10    | 12      | 32      | < 10    | < 10    |
| Sulphur (free)                   | DETSC 3049# | 0.75 | mg/kg | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  |
| Sulphate as SO4, Total           | DETSC 2321# | 0.01 | %     | 0.01    | 0.05    | 0.05    | 0.08    | 0.24    | 0.03    | 0.15    |
| <b>Petroleum Hydrocarbons</b>    |             |      |       |         |         |         |         |         |         |         |
| Aliphatic C5-C6: HS_1D_AL        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C6-C8: HS_1D_AL        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C8-C10: HS_1D_AL       | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic >EC10-EC12: EH_2D_AL   | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC12-EC16: EH_2D_AL   | DETSC 3521# | 1.2  | mg/kg | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  |
| Aliphatic >EC16-EC21: EH_2D_AL   | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC21-EC35: EH_2D_AL   | DETSC 3521# | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC35-EC40: EH_2D_AL   | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC40-EC44: EH_2D_AL   | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic C5-C44: EH_2D+HS_1D_AL | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Aromatic C5-C7: HS_1D_AR         | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C7-C8: HS_1D_AR         | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C8-C10: HS_1D_AR        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic >EC10-EC12: EH_2D_AR    | DETSC 3521# | 0.9  | mg/kg | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  |
| Aromatic >EC12-EC16: EH_2D_AR    | DETSC 3521# | 0.5  | mg/kg | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  |
| Aromatic >EC16-EC21: EH_2D_AR    | DETSC 3521# | 0.6  | mg/kg | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  |

# Summary of Chemical Analysis

## Soil Samples

Our Ref 25-14422

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands

RECEIVED: 16/10/2025

| Lab No          | 2528912    | 2528913    | 2528914    | 2528915    | 2528916    | 2528917    | 2528918    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | BH24       | SL01       | SL02       | SL03       | SL04       | SL05       | SL06       |
| Depth ~         | 1.00       | 0.85       | 1.20       | 1.15       | 1.40       | 1.40       | 0.80       |
| Other ID ~      |            |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 29/05/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method      | LOD  | Units |         |         |         |         |         |         |         |
|---------------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|---------|
| Aromatic >EC21-EC35: EH_2D_AR         | DETSC 3521# | 1.4  | mg/kg | < 1.40  | < 1.40  | 3.24    | 2.18    | 6.23    | 5.26    | < 1.40  |
| Aromatic >EC35-EC40: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic >EC40-EC44: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| EPH >C24-C40: EH_2D_Total             | DETSC 3521# | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Benzene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Ethylbenzene                          | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Toluene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Xylene                                | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| MTBE                                  | DETSC 3321  | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>PAHs</b>                           |             |      |       |         |         |         |         |         |         |         |
| Naphthalene                           | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Acenaphthylene                        | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Acenaphthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Fluorene                              | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Phenanthrene                          | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Anthracene                            | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | 1.3     | < 0.10  | 0.66    |
| Fluoranthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Pyrene                                | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | 0.53    | < 0.10  | 1.4     | 0.66    | < 0.10  |
| Benzo(a)anthracene                    | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Chrysene                              | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(b)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(k)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(a)pyrene                        | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Indeno(1,2,3-c,d)pyrene               | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Dibenzo(a,h)anthracene                | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(g,h,i)perylene                  | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Coronene                              | DETSC 3301* | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| PAH 16 Total                          | DETSC 3301  | 1.6  | mg/kg | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   |
| <b>PCBs</b>                           |             |      |       |         |         |         |         |         |         |         |
| PCB 28 + PCB 31                       | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 52                                | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 101                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 118                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 153                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 138                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 180                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 7 Total                           | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>Phenols</b>                        |             |      |       |         |         |         |         |         |         |         |
| Phenol - Monohydric                   | DETSC 2130# | 0.3  | mg/kg | < 0.3   | 0.7     | 0.9     | 1.5     | 7.5     | 1.1     | 7.0     |

# Summary of Chemical Analysis Soil Samples

Our Ref 25-14422  
Client Ref ~ 24-0211  
Contract Title ~ Kingston Lands

RECEIVED: 16/10/2025

| Lab No          | 2528919    | 2528920    | 2528921    | 2528922    | 2528923    | 2528924    | 2528925    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | SL06       | SL07       | SL07       | SL08       | SL08       | SL09       | SL09       |
| Depth ~         | 1.60       | 1.00       | 2.00       | 1.00       | 2.00       | 1.00       | 2.00       |
| Other ID ~      |            |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                             | Method      | LOD  | Units |         |         |         |         |         |         |         |
|----------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|---------|
| <b>Preparation</b>               |             |      |       |         |         |         |         |         |         |         |
| Moisture Content                 | DETSC 1004  | 0.1  | %     | 11      | 21      | 17      | 15      | 14      | 53      | 40      |
| <b>Metals</b>                    |             |      |       |         |         |         |         |         |         |         |
| Antimony                         | DETSC 2301* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Arsenic                          | DETSC 2301# | 0.2  | mg/kg | 0.9     | 2.1     | 2.2     | 1.5     | 2.2     | 2.0     | 2.7     |
| Barium                           | DETSC 2301# | 1.5  | mg/kg | 9.9     | 13      | 10      | 8.8     | 4.7     | 19      | 13      |
| Boron, Water Soluble (2.5:1)     | DETSC 2311# | 0.2  | mg/kg | < 0.2   | < 0.2   | < 0.2   | < 0.2   | < 0.2   | < 0.2   | < 0.2   |
| Cadmium                          | DETSC 2301# | 0.1  | mg/kg | 0.2     | 0.2     | 0.2     | < 0.1   | 0.3     | 0.3     | 0.4     |
| Chromium                         | DETSC 2301# | 0.15 | mg/kg | 4.4     | 5.9     | 3.6     | 3.8     | 9.1     | 7.6     | 11      |
| Chromium III                     | DETSC 2301* | 0.15 | mg/kg | 4.4     | 5.9     | 3.6     | 3.8     | 9.1     | 7.6     | 11      |
| Chromium, Hexavalent             | DETSC 2204* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Copper                           | DETSC 2301# | 0.2  | mg/kg | 12      | 16      | 18      | 13      | 29      | 36      | 29      |
| Lead                             | DETSC 2301# | 0.3  | mg/kg | 9.5     | 29      | 30      | 31      | 32      | 20      | 30      |
| Mercury                          | DETSC 2325# | 0.05 | mg/kg | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  |
| Molybdenum                       | DETSC 2301# | 0.4  | mg/kg | 1.0     | 2.3     | 1.0     | 2.0     | 1.7     | 3.4     | 2.6     |
| Nickel                           | DETSC 2301# | 1    | mg/kg | 2.7     | 4.3     | 3.4     | 3.0     | 5.6     | 5.4     | 7.4     |
| Selenium                         | DETSC 2301# | 0.5  | mg/kg | < 0.5   | 0.7     | 0.6     | < 0.5   | 0.9     | 1.0     | 0.9     |
| Zinc                             | DETSC 2301# | 1    | mg/kg | 13      | 21      | 20      | 19      | 1.8     | 37      | 27      |
| <b>Inorganics</b>                |             |      |       |         |         |         |         |         |         |         |
| pH                               | DETSC 2008# |      | pH    | 8.4     | 8.0     | 7.9     | 8.1     | 8.0     | 7.7     | 7.9     |
| Cyanide, Total                   | DETSC 2130# | 0.1  | mg/kg | < 0.1   | 0.3     | 0.3     | 0.2     | 0.3     | 0.3     | 0.3     |
| Total Organic Carbon             | DETSC 2084# | 0.5  | %     | 1.6     | 4.1     | 5.1     | 2.6     | 3.8     | 9.2     | 6.9     |
| Sulphide                         | DETSC 2024* | 10   | mg/kg | 28      | 16      | < 10    | < 10    | < 10    | 32      | 20      |
| Sulphur (free)                   | DETSC 3049# | 0.75 | mg/kg | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  |
| Sulphate as SO4, Total           | DETSC 2321# | 0.01 | %     | 0.01    | 0.03    | 0.06    | 0.02    | 0.04    | 0.09    | 0.06    |
| <b>Petroleum Hydrocarbons</b>    |             |      |       |         |         |         |         |         |         |         |
| Aliphatic C5-C6: HS_1D_AL        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C6-C8: HS_1D_AL        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C8-C10: HS_1D_AL       | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic >EC10-EC12: EH_2D_AL   | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC12-EC16: EH_2D_AL   | DETSC 3521# | 1.2  | mg/kg | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  |
| Aliphatic >EC16-EC21: EH_2D_AL   | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC21-EC35: EH_2D_AL   | DETSC 3521# | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC35-EC40: EH_2D_AL   | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC40-EC44: EH_2D_AL   | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic C5-C44: EH_2D+HS_1D_AL | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Aromatic C5-C7: HS_1D_AR         | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C7-C8: HS_1D_AR         | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C8-C10: HS_1D_AR        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic >EC10-EC12: EH_2D_AR    | DETSC 3521# | 0.9  | mg/kg | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  |
| Aromatic >EC12-EC16: EH_2D_AR    | DETSC 3521# | 0.5  | mg/kg | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  |
| Aromatic >EC16-EC21: EH_2D_AR    | DETSC 3521# | 0.6  | mg/kg | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  |

# Summary of Chemical Analysis

## Soil Samples

Our Ref ~ 25-14422  
 Client Ref ~ 24-0211  
 Contract Title ~ Kingston Lands

RECEIVED: 16/10/2025

| Lab No          | 2528919    | 2528920    | 2528921    | 2528922    | 2528923    | 2528924    | 2528925    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | SL06       | SL07       | SL07       | SL08       | SL08       | SL09       | SL09       |
| Depth ~         | 1.60       | 1.00       | 2.00       | 1.00       | 2.00       | 1.00       | 2.00       |
| Other ID ~      |            |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method      | LOD  | Units |         |         |         |        |         |         |         |  |
|---------------------------------------|-------------|------|-------|---------|---------|---------|--------|---------|---------|---------|--|
| Aromatic >EC21-EC35: EH_2D_AR         | DETSC 3521# | 1.4  | mg/kg | < 1.40  | 1.81    | 2.25    | 30.90  | 4.09    | < 1.40  | < 1.40  |  |
| Aromatic >EC35-EC40: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | 34.99  | < 1.40  | < 1.40  | < 1.40  |  |
| Aromatic >EC40-EC44: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | 1.93   | < 1.40  | < 1.40  | < 1.40  |  |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | 67.82  | < 10.00 | < 10.00 | < 10.00 |  |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | 67.82  | < 10.00 | < 10.00 | < 10.00 |  |
| EPH >C24-C40: EH_2D_Total             | DETSC 3521# | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | 65.89  | < 10.00 | < 10.00 | < 10.00 |  |
| Benzene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| Ethylbenzene                          | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| Toluene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| Xylene                                | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| MTBE                                  | DETSC 3321  | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| <b>PAHs</b>                           |             |      |       |         |         |         |        |         |         |         |  |
| Naphthalene                           | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Acenaphthylene                        | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Acenaphthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Fluorene                              | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Phenanthrene                          | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Anthracene                            | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Fluoranthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Pyrene                                | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Benzo(a)anthracene                    | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Chrysene                              | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Benzo(b)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Benzo(k)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Benzo(a)pyrene                        | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Indeno(1,2,3-c,d)pyrene               | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Dibenzo(a,h)anthracene                | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Benzo(g,h,i)perylene                  | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| Coronene                              | DETSC 3301* | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  | < 0.10  |  |
| PAH 16 Total                          | DETSC 3301  | 1.6  | mg/kg | < 1.6   | < 1.6   | < 1.6   | < 1.6  | < 1.6   | < 1.6   | < 1.6   |  |
| <b>PCBs</b>                           |             |      |       |         |         |         |        |         |         |         |  |
| PCB 28 + PCB 31                       | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| PCB 52                                | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| PCB 101                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| PCB 118                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| PCB 153                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| PCB 138                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| PCB 180                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| PCB 7 Total                           | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  | < 0.01  |  |
| <b>Phenols</b>                        |             |      |       |         |         |         |        |         |         |         |  |
| Phenol - Monohydric                   | DETSC 2130# | 0.3  | mg/kg | < 0.3   | 0.9     | 1.5     | 0.6    | 1.1     | 3.5     | 3.3     |  |

# Summary of Chemical Analysis Soil Samples

Our Ref 25-14422  
Client Ref ~ 24-0211  
Contract Title ~ Kingston Lands

RECEIVED: 16/10/2025

| Lab No          | 2528926    | 2528927    | 2528928    | 2528929    | 2528930    | 2528931    | 2528932    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | SL10       | SL10       | SL11       | SL11       | SL12       | SL12       | SL13       |
| Depth ~         | 1.00       | 2.00       | 1.00       | 2.00       | 1.00       | 2.00       | 0.70       |
| Other ID ~      |            |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                | Method      | LOD  | Units |         |         |         |         |         |         |         |
|-------------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|---------|
| <b>Preparation</b>                  |             |      |       |         |         |         |         |         |         |         |
| Moisture Content                    | DETSC 1004  | 0.1  | %     | 7.7     | 9.1     | 4.6     | 6.9     | 33      | 11      | 5.2     |
| <b>Metals</b>                       |             |      |       |         |         |         |         |         |         |         |
| Antimony                            | DETSC 2301* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | 1.7     | < 1.0   | < 1.0   |
| Arsenic                             | DETSC 2301# | 0.2  | mg/kg | 1.7     | 1.7     | 1.4     | 2.0     | 8.9     | 1.9     | 1.3     |
| Barium                              | DETSC 2301# | 1.5  | mg/kg | 6.5     | 5.9     | 8.9     | 16      | 140     | 11      | 16      |
| Boron, Water Soluble (2.5:1)        | DETSC 2311# | 0.2  | mg/kg | < 0.2   | < 0.2   | < 0.2   | < 0.2   | < 0.2   | < 0.2   | < 0.2   |
| Cadmium                             | DETSC 2301# | 0.1  | mg/kg | 0.2     | 0.2     | 0.1     | 0.1     | 0.6     | 0.2     | < 0.1   |
| Chromium                            | DETSC 2301# | 0.15 | mg/kg | 12      | 10      | 7.8     | 7.0     | 40      | 8.7     | 7.9     |
| Chromium III                        | DETSC 2301* | 0.15 | mg/kg | 12      | 10      | 7.8     | 7.0     | 40      | 8.7     | 7.9     |
| Chromium, Hexavalent                | DETSC 2204* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Copper                              | DETSC 2301# | 0.2  | mg/kg | 17      | 15      | 13      | 19      | 40      | 12      | 9.1     |
| Lead                                | DETSC 2301# | 0.3  | mg/kg | 18      | 18      | 17      | 53      | 33      | 17      | 9.4     |
| Mercury                             | DETSC 2325# | 0.05 | mg/kg | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  |
| Molybdenum                          | DETSC 2301# | 0.4  | mg/kg | 2.7     | 1.3     | 0.5     | 0.8     | 1.9     | 0.9     | 0.5     |
| Nickel                              | DETSC 2301# | 1    | mg/kg | 7.3     | 6.5     | 4.4     | 4.5     | 37      | 5.1     | 5.7     |
| Selenium                            | DETSC 2301# | 0.5  | mg/kg | < 0.5   | 0.5     | < 0.5   | 0.6     | 1.2     | 0.6     | < 0.5   |
| Zinc                                | DETSC 2301# | 1    | mg/kg | 17      | 18      | 50      | 68      | 96      | 32      | 36      |
| <b>Inorganics</b>                   |             |      |       |         |         |         |         |         |         |         |
| pH                                  | DETSC 2008# |      | pH    | 8.5     | 8.2     | 8.1     | 8.2     | 8.1     | 7.8     | 7.8     |
| Cyanide, Total                      | DETSC 2130# | 0.1  | mg/kg | < 0.1   | 0.1     | < 0.1   | < 0.1   | < 0.1   | 0.3     | 0.1     |
| Total Organic Carbon                | DETSC 2084# | 0.5  | %     | 0.9     | 1.6     | 0.8     | 1.4     | 1.6     | 3.3     | 1.1     |
| Sulphide                            | DETSC 2024* | 10   | mg/kg | < 10    | < 10    | < 10    | 16      | 40      | < 10    | < 10    |
| Sulphur (free)                      | DETSC 3049# | 0.75 | mg/kg | < 0.75  | < 0.75  | < 0.75  | 3.4     | < 0.75  | < 0.75  | < 0.75  |
| Sulphate as SO <sub>4</sub> , Total | DETSC 2321# | 0.01 | %     | 0.01    | 0.01    | 0.05    | 0.02    | 0.06    | 0.05    | 0.01    |
| <b>Petroleum Hydrocarbons</b>       |             |      |       |         |         |         |         |         |         |         |
| Aliphatic C5-C6: HS_1D_AL           | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C6-C8: HS_1D_AL           | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C8-C10: HS_1D_AL          | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic >EC10-EC12: EH_2D_AL      | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC12-EC16: EH_2D_AL      | DETSC 3521# | 1.2  | mg/kg | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  |
| Aliphatic >EC16-EC21: EH_2D_AL      | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC21-EC35: EH_2D_AL      | DETSC 3521# | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC35-EC40: EH_2D_AL      | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC40-EC44: EH_2D_AL      | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic C5-C44: EH_2D+HS_1D_AL    | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Aromatic C5-C7: HS_1D_AR            | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C7-C8: HS_1D_AR            | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C8-C10: HS_1D_AR           | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic >EC10-EC12: EH_2D_AR       | DETSC 3521# | 0.9  | mg/kg | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  |
| Aromatic >EC12-EC16: EH_2D_AR       | DETSC 3521# | 0.5  | mg/kg | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | 2.26    |
| Aromatic >EC16-EC21: EH_2D_AR       | DETSC 3521# | 0.6  | mg/kg | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  | 3.10    |

# Summary of Chemical Analysis

## Soil Samples

Our Ref ~ 25-14422  
 Client Ref ~ 24-0211  
 Contract Title ~ Kingston Lands

RECEIVED: 16/10/2025

| Lab No          | 2528926    | 2528927    | 2528928    | 2528929    | 2528930    | 2528931    | 2528932    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | SL10       | SL10       | SL11       | SL11       | SL12       | SL12       | SL13       |
| Depth ~         | 1.00       | 2.00       | 1.00       | 2.00       | 1.00       | 2.00       | 0.70       |
| Other ID ~      |            |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method     | LOD  | Units |         |         |         |         |         |         |         |
|---------------------------------------|------------|------|-------|---------|---------|---------|---------|---------|---------|---------|
| Aromatic >EC21-EC35: EH_2D_AR         | DETC 3521# | 1.4  | mg/kg | < 1.40  | < 1.40  | 2.46    | 6.65    | < 1.40  | < 1.40  | 2.40    |
| Aromatic >EC35-EC40: EH_2D_AR         | DETC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic >EC40-EC44: EH_2D_AR         | DETC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| EPH >C24-C40: EH_2D_Total             | DETC 3521# | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Benzene                               | DETC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Ethylbenzene                          | DETC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Toluene                               | DETC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Xylene                                | DETC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| MTBE                                  | DETC 3321  | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>PAHs</b>                           |            |      |       |         |         |         |         |         |         |         |
| Naphthalene                           | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Acenaphthylene                        | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Acenaphthene                          | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Fluorene                              | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Phenanthrene                          | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Anthracene                            | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Fluoranthene                          | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Pyrene                                | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(a)anthracene                    | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Chrysene                              | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(b)fluoranthene                  | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(k)fluoranthene                  | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(a)pyrene                        | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Indeno(1,2,3-c,d)pyrene               | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Dibenzo(a,h)anthracene                | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(g,h,i)perylene                  | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Coronene                              | DETC 3301* | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| PAH 16 Total                          | DETC 3301  | 1.6  | mg/kg | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   |
| <b>PCBs</b>                           |            |      |       |         |         |         |         |         |         |         |
| PCB 28 + PCB 31                       | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 52                                | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 101                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 118                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 153                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 138                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 180                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 7 Total                           | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>Phenols</b>                        |            |      |       |         |         |         |         |         |         |         |
| Phenol - Monohydric                   | DETC 2130# | 0.3  | mg/kg | 0.6     | 0.4     | < 0.3   | < 0.3   | 0.6     | 0.9     | < 0.3   |

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# Summary of Chemical Analysis

## Soil Samples

Our Ref 25-14422

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands

|                 |            |            |            |            |            |
|-----------------|------------|------------|------------|------------|------------|
| Lab No          | 2528933    | 2528934    | 2528935    | 2528936    | 2528937    |
| Sample ID ~     | SL13       | SL14       | SL14       | SL15       | SL15       |
| Depth ~         | 1.80       | 1.00       | 2.00       | 1.00       | 2.00       |
| Other ID ~      |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                | Method     | LOD  | Units |         |         |         |         |         |
|-------------------------------------|------------|------|-------|---------|---------|---------|---------|---------|
| <b>Preparation</b>                  |            |      |       |         |         |         |         |         |
| Moisture Content                    | DETS 1004  | 0.1  | %     | 65      | 6.1     | 6.3     | 19      | 9.3     |
| <b>Metals</b>                       |            |      |       |         |         |         |         |         |
| Antimony                            | DETS 2301* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Arsenic                             | DETS 2301# | 0.2  | mg/kg | 1.5     | 1.5     | 1.5     | 2.7     | 1.7     |
| Barium                              | DETS 2301# | 1.5  | mg/kg | 9.0     | 8.6     | 11      | 13      | 3.9     |
| Boron, Water Soluble (2.5:1)        | DETS 2311# | 0.2  | mg/kg | 1.3     | < 0.2   | < 0.2   | < 0.2   | < 0.2   |
| Cadmium                             | DETS 2301# | 0.1  | mg/kg | 0.3     | < 0.1   | < 0.1   | 0.3     | 0.2     |
| Chromium                            | DETS 2301# | 0.15 | mg/kg | 5.5     | 3.7     | 4.7     | 9.0     | 6.9     |
| Chromium III                        | DETS 2301* | 0.15 | mg/kg | 5.5     | 3.7     | 4.7     | 9.0     | 6.9     |
| Chromium, Hexavalent                | DETS 2204* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Copper                              | DETS 2301# | 0.2  | mg/kg | 46      | 9.9     | 16      | 18      | 15      |
| Lead                                | DETS 2301# | 0.3  | mg/kg | 6.3     | 19      | 22      | 17      | 15      |
| Mercury                             | DETS 2325# | 0.05 | mg/kg | < 0.05  | 0.06    | < 0.05  | < 0.05  | < 0.05  |
| Molybdenum                          | DETS 2301# | 0.4  | mg/kg | 16      | 0.8     | 2.1     | 1.5     | 1.0     |
| Nickel                              | DETS 2301# | 1    | mg/kg | 3.2     | 3.1     | 3.4     | 5.4     | 4.7     |
| Selenium                            | DETS 2301# | 0.5  | mg/kg | 1.4     | < 0.5   | < 0.5   | 0.7     | 0.5     |
| Zinc                                | DETS 2301# | 1    | mg/kg | 19      | 34      | 28      | 16      | 11      |
| <b>Inorganics</b>                   |            |      |       |         |         |         |         |         |
| pH                                  | DETS 2008# |      | pH    | 6.7     | 8.3     | 7.8     | 7.9     | 7.9     |
| Cyanide, Total                      | DETS 2130# | 0.1  | mg/kg | 0.3     | < 0.1   | 0.1     | 0.4     | 0.2     |
| Total Organic Carbon                | DETS 2084# | 0.5  | %     | 20      | 0.8     | 2.3     | 3.8     | 2.2     |
| Sulphide                            | DETS 2024* | 10   | mg/kg | 12      | < 10    | 16      | 12      | < 10    |
| Sulphur (free)                      | DETS 3049# | 0.75 | mg/kg | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  |
| Sulphate as SO <sub>4</sub> , Total | DETS 2321# | 0.01 | %     | 0.18    | 0.01    | < 0.01  | 0.04    | 0.02    |
| <b>Petroleum Hydrocarbons</b>       |            |      |       |         |         |         |         |         |
| Aliphatic C5-C6: HS_1D_AL           | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C6-C8: HS_1D_AL           | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C8-C10: HS_1D_AL          | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic >EC10-EC12: EH_2D_AL      | DETS 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC12-EC16: EH_2D_AL      | DETS 3521# | 1.2  | mg/kg | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  |
| Aliphatic >EC16-EC21: EH_2D_AL      | DETS 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC21-EC35: EH_2D_AL      | DETS 3521# | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC35-EC40: EH_2D_AL      | DETS 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC40-EC44: EH_2D_AL      | DETS 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic C5-C44: EH_2D+HS_1D_AL    | DETS 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Aromatic C5-C7: HS_1D_AR            | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C7-C8: HS_1D_AR            | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C8-C10: HS_1D_AR           | DETS 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic >EC10-EC12: EH_2D_AR       | DETS 3521# | 0.9  | mg/kg | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  |
| Aromatic >EC12-EC16: EH_2D_AR       | DETS 3521# | 0.5  | mg/kg | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  |
| Aromatic >EC16-EC21: EH_2D_AR       | DETS 3521# | 0.6  | mg/kg | < 0.60  | < 0.60  | 1.24    | 0.90    | < 0.60  |

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# Summary of Chemical Analysis Soil Samples

Our Ref 25-14422

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands

|                 |            |            |            |            |            |
|-----------------|------------|------------|------------|------------|------------|
| Lab No          | 2528933    | 2528934    | 2528935    | 2528936    | 2528937    |
| Sample ID ~     | SL13       | SL14       | SL14       | SL15       | SL15       |
| Depth ~         | 1.80       | 1.00       | 2.00       | 1.00       | 2.00       |
| Other ID ~      |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method     | LOD  | Units |         |         |        |         |         |
|---------------------------------------|------------|------|-------|---------|---------|--------|---------|---------|
| Aromatic >EC21-EC35: EH_2D_AR         | DETC 3521# | 1.4  | mg/kg | < 1.40  | 2.81    | 19.48  | 3.42    | 3.18    |
| Aromatic >EC35-EC40: EH_2D_AR         | DETC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | 19.92  | < 1.40  | < 1.40  |
| Aromatic >EC40-EC44: EH_2D_AR         | DETC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40 | < 1.40  | < 1.40  |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | 40.64  | < 10.00 | < 10.00 |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | 40.64  | < 10.00 | < 10.00 |
| EPH >C24-C40: EH_2D_Total             | DETC 3521# | 10   | mg/kg | < 10.00 | < 10.00 | 39.40  | < 10.00 | < 10.00 |
| Benzene                               | DETC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| Ethylbenzene                          | DETC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| Toluene                               | DETC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| Xylene                                | DETC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| MTBE                                  | DETC 3321  | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| <b>PAHs</b>                           |            |      |       |         |         |        |         |         |
| Naphthalene                           | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Acenaphthylene                        | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Acenaphthene                          | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Fluorene                              | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Phenanthrene                          | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Anthracene                            | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Fluoranthene                          | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Pyrene                                | DETC 3301  | 0.1  | mg/kg | < 0.10  | 0.27    | 0.35   | 0.75    | 0.43    |
| Benzo(a)anthracene                    | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Chrysene                              | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Benzo(b)fluoranthene                  | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Benzo(k)fluoranthene                  | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Benzo(a)pyrene                        | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Indeno(1,2,3-c,d)pyrene               | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Dibenzo(a,h)anthracene                | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Benzo(g,h,i)perylene                  | DETC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| Coronene                              | DETC 3301* | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10 | < 0.10  | < 0.10  |
| PAH 16 Total                          | DETC 3301  | 1.6  | mg/kg | < 1.6   | < 1.6   | < 1.6  | < 1.6   | < 1.6   |
| <b>PCBs</b>                           |            |      |       |         |         |        |         |         |
| PCB 28 + PCB 31                       | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 52                                | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 101                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 118                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 153                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 138                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 180                               | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| PCB 7 Total                           | DETC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01 | < 0.01  | < 0.01  |
| <b>Phenols</b>                        |            |      |       |         |         |        |         |         |
| Phenol - Monohydric                   | DETC 2130# | 0.3  | mg/kg | 6.0     | 1.0     | 0.6    | 1.0     | 0.3     |

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## Summary of Chemical Analysis

### Leachate Samples

Our Ref 25-14422  
Client Ref ~ 24-0211  
Contract Title ~ Kingston Lands

| Lab No          | 2528938    | 2528939    | 2528940    | 2528941    | 2528942    | 2528943    | 2528944    | 2528945    | 2528946    | 2528947    | 2528948    |
|-----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | BH24       | SL01       | SL02       | SL03       | SL04       | SL05       | SL06       | SL06       | SL07       | SL07       | SL08       |
| Depth ~         | 1.00       | 0.85       | 1.20       | 1.15       | 1.40       | 1.40       | 0.80       | 1.60       | 1.00       | 2.00       | 1.00       |
| Other ID ~      |            |            |            |            |            |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 29/05/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                       | Method    | LOD    | Units |      |      |        |        |        |        |        |        |        |        |        |
|----------------------------|-----------|--------|-------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Inorganics</b>          |           |        |       |      |      |        |        |        |        |        |        |        |        |        |
| Un-Ionised Ammonia         | *         | 0.02   | mg/l  | 0.06 | 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Ammoniacal Nitrogen as NH4 | DETS 2207 | 0.0193 | mg/l  | 1.1  | 1.0  | 0.87   | 0.88   | 2.6    | 1.4    | 0.61   | 0.27   | 0.92   | 0.81   | 0.55   |

RECEIVED: 16/10/2025

## Summary of Chemical Analysis

### Leachate Samples

Our Ref 25-14422  
Client Ref ~ 24-0211  
Contract Title ~ Kingston Lands

|                        |            |            |            |            |            |            |            |            |            |            |            |
|------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>Lab No</b>          | 2528949    | 2528950    | 2528951    | 2528952    | 2528953    | 2528954    | 2528955    | 2528956    | 2528957    | 2528958    | 2528959    |
| <b>Sample ID ~</b>     | SL08       | SL09       | SL09       | SL10       | SL10       | SL11       | SL11       | SL12       | SL12       | SL13       | SL13       |
| <b>Depth ~</b>         | 2.00       | 1.00       | 2.00       | 1.00       | 2.00       | 1.00       | 2.00       | 1.00       | 2.00       | 0.70       | 1.80       |
| <b>Other ID ~</b>      |            |            |            |            |            |            |            |            |            |            |            |
| <b>Sample Type ~</b>   | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         | ES         |
| <b>Sampling Date ~</b> | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 |
| <b>Sampling Time ~</b> | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                       | Method    | LOD    | Units |        |        |        |        |        |        |        |        |        |        |        |
|----------------------------|-----------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Inorganics</b>          |           |        |       |        |        |        |        |        |        |        |        |        |        |        |
| Un-Ionised Ammonia         | *         | 0.02   | mg/l  | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Ammoniacal Nitrogen as NH4 | DETS 2207 | 0.0193 | mg/l  | 0.80   | 0.46   | 0.12   | 0.11   | 0.07   | 0.09   | 0.10   | 0.25   | 1.2    | 0.39   | 0.32   |

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## Summary of Chemical Analysis

### Leachate Samples

Our Ref 25-14422

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands

|                        |            |            |            |            |
|------------------------|------------|------------|------------|------------|
| <b>Lab No</b>          | 2528960    | 2528961    | 2528962    | 2528963    |
| <b>Sample ID ~</b>     | SL14       | SL14       | SL15       | SL15       |
| <b>Depth ~</b>         | 1.00       | 2.00       | 1.00       | 2.00       |
| <b>Other ID ~</b>      |            |            |            |            |
| <b>Sample Type ~</b>   | ES         | ES         | ES         | ES         |
| <b>Sampling Date ~</b> | 11/06/2025 | 11/06/2025 | 11/06/2025 | 11/06/2025 |
| <b>Sampling Time ~</b> | n/s        | n/s        | n/s        | n/s        |

| Test                                   | Method    | LOD    | Units |        |        |        |        |
|----------------------------------------|-----------|--------|-------|--------|--------|--------|--------|
| <b>Inorganics</b>                      |           |        |       |        |        |        |        |
| Un-Ionised Ammonia                     | *         | 0.02   | mg/l  | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Ammoniacal Nitrogen as NH <sub>4</sub> | DETS 2207 | 0.0193 | mg/l  | 0.12   | 0.48   | 0.45   | 0.61   |

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## Summary of Asbestos Analysis Soil Samples

Our Ref 25-14422

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands

| Lab No  | Sample ID | Material Type | Result | Comment* | Analyst   |
|---------|-----------|---------------|--------|----------|-----------|
| 2528912 | BH24 1.00 | SOIL          | NAD    | none     | Josh Best |
| 2528913 | SL01 0.85 | SOIL          | NAD    | none     | Josh Best |
| 2528914 | SL02 1.20 | SOIL          | NAD    | none     | Josh Best |
| 2528915 | SL03 1.15 | SOIL          | NAD    | none     | Josh Best |
| 2528916 | SL04 1.40 | SOIL          | NAD    | none     | Josh Best |
| 2528917 | SL05 1.40 | SOIL          | NAD    | none     | Josh Best |
| 2528918 | SL06 0.80 | SOIL          | NAD    | none     | Josh Best |
| 2528919 | SL06 1.60 | SOIL          | NAD    | none     | Josh Best |
| 2528920 | SL07 1.00 | SOIL          | NAD    | none     | Josh Best |
| 2528921 | SL07 2.00 | SOIL          | NAD    | none     | Josh Best |
| 2528922 | SL08 1.00 | SOIL          | NAD    | none     | Josh Best |
| 2528923 | SL08 2.00 | SOIL          | NAD    | none     | Josh Best |
| 2528924 | SL09 1.00 | SOIL          | NAD    | none     | Josh Best |
| 2528925 | SL09 2.00 | SOIL          | NAD    | none     | Josh Best |
| 2528926 | SL10 1.00 | SOIL          | NAD    | none     | Josh Best |
| 2528927 | SL10 2.00 | SOIL          | NAD    | none     | Josh Best |
| 2528928 | SL11 1.00 | SOIL          | NAD    | none     | Josh Best |
| 2528929 | SL11 2.00 | SOIL          | NAD    | none     | Josh Best |
| 2528930 | SL12 1.00 | SOIL          | NAD    | none     | Josh Best |
| 2528931 | SL12 2.00 | SOIL          | NAD    | none     | Josh Best |
| 2528932 | SL13 0.70 | SOIL          | NAD    | none     | Josh Best |
| 2528933 | SL13 1.80 | SOIL          | NAD    | none     | Josh Best |
| 2528934 | SL14 1.00 | SOIL          | NAD    | none     | Josh Best |
| 2528935 | SL14 2.00 | SOIL          | NAD    | none     | Josh Best |
| 2528936 | SL15 1.00 | SOIL          | NAD    | none     | Josh Best |
| 2528937 | SL15 2.00 | SOIL          | NAD    | none     | Josh Best |

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: \* -not included in laboratory scope of accreditation.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id BH24 1.00

Sample Numbers 2528912 2528938  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 0.7    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 1.4    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.2    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.44                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 2.4                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.42                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 4.3                 | 0.04                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.026               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 1.6                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.64                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.2                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.19                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.38                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 3.4                 | 0.03                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 580                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 220                 | 2.2                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1500                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 110000              | 1100                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 7800                | 78                   | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 8.1   |
| DETSC 2009 Conductivity uS/cm | 152.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.098 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.892 |
| Volume of Eluate VE1  | 0.79  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL01 0.85

Sample Numbers 2528913 2528939  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 3.6    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 6.5    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.0    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.58                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 4.6                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.036               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.38                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 5.1                 | 0.05                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.02                | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 6.2                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.89                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 1.5                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.27                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.4                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 3.7                 | 0.04                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2400                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 180                 | 1.8                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1900                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 170000              | 1700                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 16000               | 160                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.7   |
| DETSC 2009 Conductivity uS/cm | 244.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.108 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.882 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL02 1.20

Sample Numbers 2528914 2528940  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 4.4    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 8.9    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.3    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.5                 | 0.02                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 9                   | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.08                | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.7                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 11                  | 0.11                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.023               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 1.6                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 2                   | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 9.9                 | 0.1                  | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.29                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.1                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 20                  | 0.2                  | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1600                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 2700                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 50000               | 500                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 29000               | 290                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.9  |
| DETSC 2009 Conductivity uS/cm | 70.8 |
| * Temperature*                | 20.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.107 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.883 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL03 1.15

Sample Numbers 2528915 2528941  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 7.1    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 14.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.2    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 2                   | 0.02                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 12                  | 0.1                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.12                | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 2.3                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 25                  | 0.25                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.026               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 1.5                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 3.1                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 12                  | 0.12                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.38                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.7                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 15                  | 0.15                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 610                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1700                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 42000               | 420                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 38000               | 380                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.4  |
| DETSC 2009 Conductivity uS/cm | 59.3 |
| * Temperature*                | 20.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.119 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.871 |
| Volume of Eluate VE1  | 0.79  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL04 1.40

Sample Numbers 2528916 2528942  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 33.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 86.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.9    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.2                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 6                   | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.061               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.49                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 11                  | 0.11                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.012               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 18                  | 0.2                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.93                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.69                | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.52                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 6.1                 | 0.06                 | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 5.5                 | 0.06                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1000                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 100                 | 1                    | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 9400                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 94000               | 940                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 36000               | 360                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.6   |
| DETSC 2009 Conductivity uS/cm | 135.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.380 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |      |
|-----------------------|------|
| Volume of Leachant L2 | 0.61 |
| Volume of Eluate VE1  | 0.8  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL05 1.40

Sample Numbers 2528917 2528943  
 Date Analysed 07/07/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 3.2    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 4.5    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.9    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.57                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 5.3                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.46                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 4.8                 | 0.05                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.011               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 4.1                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.51                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 3.3                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.2                 | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.2                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 2.5                 | 0.03                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 480                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 100                 | 1                    | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1200                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 110000              | 1100                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 16000               | 160                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.3   |
| DETSC 2009 Conductivity uS/cm | 157.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.103 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.887 |
| Volume of Eluate VE1  | 0.79  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL06 0.80

Sample Numbers 2528918 2528944  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 26.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 57.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.9    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.76                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 10                  | 0.1                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.059               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.95                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 19                  | 0.19                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.014               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 14                  | 0.1                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.3                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 3.8                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.28                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.4                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 5.9                 | 0.06                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2800                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 5400                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 150000              | 1500                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 18000               | 180                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.0   |
| DETSC 2009 Conductivity uS/cm | 214.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.246 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.744 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL06 1.60

Sample Numbers 2528919 2528945  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.6    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 1.4    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.4    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | 4.0    | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.49                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 4.2                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.39                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 6.3                 | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.014               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 8.1                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 1.2                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.74                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.85                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | < 1.3               | < 0.01               | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 350                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 110                 | 1.1                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 6100                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 75000               | 750                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 5400                | 54                   | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.3   |
| DETSC 2009 Conductivity uS/cm | 107.0 |
| * Temperature*                | 20.0  |
| Mass of Sample Kg             | 0.101 |
| Mass of dry Sample Kg         | 0.090 |
| Stage 1                       |       |
| Volume of Leachant L2         | 0.889 |
| Volume of Eluate VE1          | 0.8   |

|                             |
|-----------------------------|
| TBE - To Be Evaluated       |
| SNRHW - Stable Non-Reactive |
| Hazardous Waste             |

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL07 1.00

Sample Numbers 2528920 2528946  
 Date Analysed 07/07/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 4.1    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 8.1    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.0    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.3                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 7.2                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.091               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.97                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 10                  | 0.1                  | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.018               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 16                  | 0.2                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.3                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 9.3                 | 0.09                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.83                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.6                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 2.7                 | 0.03                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 390                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 160                 | 1.6                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 2800                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 110000              | 1100                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 27000               | 270                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.4   |
| DETSC 2009 Conductivity uS/cm | 162.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.113 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.877 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL07 2.00

Sample Numbers 2528921 2528947  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 5.1    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 11.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.9    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.94                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 4.8                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.036               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.71                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 7.4                 | 0.07                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.014               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 5.8                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.97                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 6.2                 | 0.06                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.35                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.1                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 2.1                 | 0.02                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 340                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 140                 | 1.4                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1700                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 85000               | 850                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 17000               | 170                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.6   |
| DETSC 2009 Conductivity uS/cm | 121.0 |
| * Temperature*                | 20.0  |
| Mass of Sample Kg             | 0.108 |
| Mass of dry Sample Kg         | 0.090 |
| Stage 1                       |       |
| Volume of Leachant L2         | 0.882 |
| Volume of Eluate VE1          | 0.8   |

|                             |
|-----------------------------|
| TBE - To Be Evaluated       |
| SNRHW - Stable Non-Reactive |
| Hazardous Waste             |

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL08 1.00

Sample Numbers 2528922 2528948  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 2.6    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 4.7    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 66.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.1    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.92                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 4.6                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.036               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.59                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 6.2                 | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.011               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 7.7                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.79                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 5.5                 | 0.06                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.36                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.93                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 4.1                 | 0.04                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 260                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 190                 | 1.9                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 2100                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 84000               | 840                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 13000               | 130                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.6   |
| DETSC 2009 Conductivity uS/cm | 120.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.106 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.884 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL08 2.00

Sample Numbers 2528923 2528949  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 3.8    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 8.1    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.0    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.88                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 5.6                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.049               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.73                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 8.5                 | 0.09                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.014               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 7.1                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.96                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 6.1                 | 0.06                 | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.35                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.2                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 3.9                 | 0.04                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 410                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 130                 | 1.3                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1900                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 120000              | 1200                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 20000               | 200                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.6   |
| DETSC 2009 Conductivity uS/cm | 169.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.104 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.886 |
| Volume of Eluate VE1  | 0.79  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL09 1.00

Sample Numbers 2528924 2528950  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 9.2    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 18.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.7    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | 1.5    | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.3                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 6.7                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.041               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.34                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 3.7                 | 0.04                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 37                  | 0.4                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.63                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.2                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.49                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.56                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 4.8                 | 0.05                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1900                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 110                 | 1.1                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 8500                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 130000              | 1300                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 14000               | 140                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.7   |
| DETSC 2009 Conductivity uS/cm | 191.0 |
| * Temperature*                | 20.0  |
| Mass of Sample Kg             | 0.193 |
| Mass of dry Sample Kg         | 0.090 |
| Stage 1                       |       |
| Volume of Leachant L2         | 0.797 |
| Volume of Eluate VE1          | 0.78  |

|                             |
|-----------------------------|
| TBE - To Be Evaluated       |
| SNRHW - Stable Non-Reactive |
| Hazardous Waste             |

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL09 2.00

Sample Numbers 2528925 2528951  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 6.9    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 16.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.9    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | 1.4    | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.4                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 9.2                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.73                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 3.6                 | 0.04                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 36                  | 0.4                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.79                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 3                   | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.56                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.57                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 3.8                 | 0.04                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2000                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 140                 | 1.4                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 12000               | 120                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 130000              | 1300                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 10000               | 100                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.8   |
| DETSC 2009 Conductivity uS/cm | 190.0 |
| * Temperature*                | 20.0  |
| Mass of Sample Kg             | 0.149 |
| Mass of dry Sample Kg         | 0.090 |
| Stage 1                       |       |
| Volume of Leachant L2         | 0.841 |
| Volume of Eluate VE1          | 0.79  |

|                             |
|-----------------------------|
| TBE - To Be Evaluated       |
| SNRHW - Stable Non-Reactive |
| Hazardous Waste             |

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL10 1.00

Sample Numbers 2528926 2528952  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 0.9    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 1.8    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.5    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.42                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 3.6                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.47                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 3.4                 | 0.03                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 3.7                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 1.5                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.41                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 2                   | 0.02                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 220                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 190                 | 1.9                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 780                 | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 65000               | 650                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 6700                | 67                   | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 7.0  |
| DETSC 2009 Conductivity uS/cm | 92.9 |
| * Temperature*                | 20.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.097 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.893 |
| Volume of Eluate VE1  | 0.81  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL10 2.00

Sample Numbers 2528927 2528953  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.6    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.5    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.2    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.38                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 3.9                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.64                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 4.8                 | 0.05                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 2                   | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 1.6                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.17                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.6                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 2.1                 | 0.02                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 340                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 130                 | 1.3                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 970                 | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 92000               | 920                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 15000               | 150                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.0   |
| DETSC 2009 Conductivity uS/cm | 131.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.099 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.891 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL11 1.00

Sample Numbers 2528928 2528954  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 0.8    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 1.4    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.1    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.48                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 8.9                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.29                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 5.4                 | 0.05                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 4.4                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.78                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.24                | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.42                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.69                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 4.1                 | 0.04                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 270                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 170                 | 1.7                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 86000               | 860                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 200000              | 2000                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 8800                | 88                   | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.8   |
| DETSC 2009 Conductivity uS/cm | 284.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.094 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.896 |
| Volume of Eluate VE1  | 0.79  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING v20.25.02.03

Our Ref 25-14422  
Client Ref 24-0211  
Contract Title Kingston Lands  
Sample Id SL11 2.00

Sample Numbers 2528929 2528955  
Date Analysed 07/07/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.4    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.2    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.2    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.56                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 3.8                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.35                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 4.7                 | 0.05                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 4.5                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.8                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.23                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.71                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 2                   | 0.02                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 300                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 170                 | 1.7                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 9800                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 91000               | 910                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 9500                | 95                   | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 7.0   |
| DETSC 2009 Conductivity uS/cm | 130.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.097 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.893 |
| Volume of Eluate VE1  | 0.8   |

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL12 1.00

Sample Numbers 2528930 2528956  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.6    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.6    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.1    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | 2.2    | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1                   | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 6.4                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.71                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 9.6                 | 0.1                  | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 3.4                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 3.6                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.2                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.34                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.7                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 1.7                 | 0.02                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1500                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 250                 | 2.5                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 6300                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 100000              | 1000                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 11000               | 110                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.9   |
| DETSC 2009 Conductivity uS/cm | 143.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.134 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.856 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL12 2.00

Sample Numbers 2528931 2528957  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 3.3    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 5.1    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.8    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.97                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 8.2                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.082               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.56                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 6.5                 | 0.07                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 5.4                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.84                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.8                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.21                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1.2                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 2.3                 | 0.02                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 600                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 7000                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 140000              | 1400                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 22000               | 220                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.9   |
| DETSC 2009 Conductivity uS/cm | 201.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.102 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.888 |
| Volume of Eluate VE1  | 0.78  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL13 0.70

Sample Numbers 2528932 2528958  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.1    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 1.9    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.8    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.44                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 4                   | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.04                | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1                   | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 5.8                 | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 1.7                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.7                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.6                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.67                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 3.5                 | 0.04                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 1600                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1500                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 44000               | 440                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 15000               | 150                  | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 7.1  |
| DETSC 2009 Conductivity uS/cm | 62.8 |
| * Temperature*                | 20.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.095 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.895 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL13 1.80

Sample Numbers 2528933 2528959  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 20.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 61.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.7    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 1.2                 | 0.01                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 8.4                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.071               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.78                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 6                   | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | 0.011               | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 150                 | 1.5                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.76                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.2                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.61                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.9                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 5                   | 0.05                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 2800                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 33000               | 330                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 120000              | 1200                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 19000               | 190                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.7   |
| DETSC 2009 Conductivity uS/cm | 174.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.255 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.735 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL14 1.00

Sample Numbers 2528934 2528960  
 Date Analysed 07/07/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 0.8    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 1.7    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.3    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.36                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 3.2                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.4                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 3.8                 | 0.04                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 11                  | 0.1                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.8                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.5                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 1.4                 | 0.01                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 220                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 810                 | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 52000               | 520                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 6700                | 67                   | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.9  |
| DETSC 2009 Conductivity uS/cm | 74.7 |
| * Temperature*                | 20.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.096 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.894 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL14 2.00

Sample Numbers 2528935 2528961  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 2.3    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 4.8    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | 41.0   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.8    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.43                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 2.9                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.48                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 4.2                 | 0.04                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 2.8                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.1                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.63                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | < 1.3               | < 0.01               | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 350                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 120                 | 1.2                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1300                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 58000               | 580                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 7400                | 74                   | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 6.9  |
| DETSC 2009 Conductivity uS/cm | 82.3 |
| * Temperature*                | 20.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.096 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.894 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL15 1.00

Sample Numbers 2528936 2528962  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 3.8    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 7.9    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.9    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.77                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 5.4                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.55                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 5.5                 | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 7.8                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.78                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 1.8                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.96                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 2.2                 | 0.02                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 630                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 150                 | 1.5                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1700                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 120000              | 1200                 | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 15000               | 150                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.8   |
| DETSC 2009 Conductivity uS/cm | 166.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.112 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.878 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-14422  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id SL15 2.00

Sample Numbers 2528937 2528963  
 Date Analysed 07/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 2.2    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 4.7    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.9    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.55                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 4.2                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.5                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 5.9                 | 0.06                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 4.8                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 1.8                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.7                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 3.4                 | 0.03                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 450                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 100                 | 1                    | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1400                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 95000               | 950                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 14000               | 140                  | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.9   |
| DETSC 2009 Conductivity uS/cm | 136.0 |
| * Temperature*                | 20.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.099 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.891 |
| Volume of Eluate VE1  | 0.78  |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

RECEIVED: 16/10/2025

## Information in Support of the Analytical Results

Our Ref 25-14422  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands

### Containers Received & Deviating Samples

| Lab No  | Sample ID ~    | Date<br>Sampled ~ | Containers Received         | Holding time exceeded for tests                                                                                                                                                       | Incorrect<br>container for tests |
|---------|----------------|-------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 2528912 | BH24 1.00 SOIL | 29/05/25          | GJ 60ml x4, PT 1L x2        | BTEX / C5-C10 (14 days), Sulphur (free) (7 days), EPH/Aliphatic/Aromatic (14 days), Naphthalene (14 days), PAH FID (14 days), pH + Conductivity (7 days), Cyanide/Mono pHoh (14 days) |                                  |
| 2528913 | SL01 0.85 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528914 | SL02 1.20 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528915 | SL03 1.15 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528916 | SL04 1.40 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528917 | SL05 1.40 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528918 | SL06 0.80 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528919 | SL06 1.60 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528920 | SL07 1.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528921 | SL07 2.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528922 | SL08 1.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528923 | SL08 2.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528924 | SL09 1.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528925 | SL09 2.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528926 | SL10 1.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528927 | SL10 2.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528928 | SL11 1.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528929 | SL11 2.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528930 | SL12 1.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528931 | SL12 2.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528932 | SL13 0.70 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528933 | SL13 1.80 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528934 | SL14 1.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |
| 2528935 | SL14 2.00 SOIL | 11/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                                                                                   |                                  |

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## Information in Support of the Analytical Results

Our Ref 25-14422  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands

| Lab No  | Sample ID ~        | Date Sampled ~ | Containers Received         | Holding time exceeded for tests                                                                                                  | Incorrect container for tests |
|---------|--------------------|----------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 2528936 | SL15 1.00 SOIL     | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                              |                               |
| 2528937 | SL15 2.00 SOIL     | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Sulphur (free) (7 days), pH + Conductivity (7 days)                                                                              |                               |
| 2528938 | BH24 1.00 LEACHATE | 29/05/25       | GJ 60ml x2, PT 1L x2        | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days), Cyanide/Mono pHoh (14 days) |                               |
| 2528939 | SL01 0.85 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528940 | SL02 1.20 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528941 | SL03 1.15 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528942 | SL04 1.40 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528943 | SL05 1.40 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528944 | SL06 0.80 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528945 | SL06 1.60 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528946 | SL07 1.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528947 | SL07 2.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528948 | SL08 1.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528949 | SL08 2.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528950 | SL09 1.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528951 | SL09 2.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |
| 2528952 | SL10 1.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days)                              |                               |

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## Information in Support of the Analytical Results

Our Ref 25-14422  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands

| Lab No  | Sample ID ~        | Date Sampled ~ | Containers Received         | Holding time exceeded for tests                                                                     | Incorrect container for tests |
|---------|--------------------|----------------|-----------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------|
| 2528953 | SL10 2.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                               |
| 2528954 | SL11 1.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                               |
| 2528955 | SL11 2.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                               |
| 2528956 | SL12 1.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                               |
| 2528957 | SL12 2.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                               |
| 2528958 | SL13 0.70 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                               |
| 2528959 | SL13 1.80 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                               |
| 2528960 | SL14 1.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                               |
| 2528961 | SL14 2.00 LEACHATE | 11/06/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |                               |

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## Information in Support of the Analytical Results

Our Ref 25-14422  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands

|         |                       |          |                             |                                                                                                     |  |
|---------|-----------------------|----------|-----------------------------|-----------------------------------------------------------------------------------------------------|--|
| 2528962 | SL15 1.00<br>LEACHATE | 11/06/25 | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |  |
| 2528963 | SL15 2.00<br>LEACHATE | 11/06/25 | GJ 250ml, GJ 60ml, PT 1L x2 | Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days) |  |

| Lab No  | Sample ID       | Comments                                         |
|---------|-----------------|--------------------------------------------------|
| 2528942 | SL04 1.40 LEACH | Insufficient sample 1353g (<2kg) Sample received |
| 2528944 | SL06 0.80 LEACH | Insufficient sample 1764g (<2kg) Sample received |
| 2528959 | SL13 1.80 LEACH | Insufficient sample 1281g (<2kg) Sample received |
| 2528963 | SL15 2.00 LEACH | Insufficient sample 1853g (<2kg) Sample received |

Key: G-Glass P-Plastic J-Jar T-Tub

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

## Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

## Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

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## Information in Support of the Analytical Results

List of HWOL Acronyms and Operators

| Acronym | Description                                                         |
|---------|---------------------------------------------------------------------|
| HS      | Headspace analysis                                                  |
| EH      | Extractable Hydrocarbons - i.e. everything extracted by the solvent |
| CU      | Clean-up - e.g. by florisil, silica gel                             |
| 1D      | GC - Single coil gas chromatography                                 |
| 2D      | GC-GC - Double coil gas chromatography                              |
| Total   | Aliphatics & Aromatics                                              |
| AL      | Aliphatics only                                                     |
| AR      | Aromatics only                                                      |
| #1      | EH_2D_Total but with humics mathematically subtracted               |
| #2      | EH_2D_Total but with fatty acids mathematically subtracted          |
| _       | Operator - underscore to separate acronyms (exception for +)        |
| +       | Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total   |

| Det                             | Acronym           |
|---------------------------------|-------------------|
| Aliphatic C5-C6                 | HS_1D_AL          |
| Aliphatic C6-C8                 | HS_1D_AL          |
| Aliphatic C8-C10                | HS_1D_AL          |
| Aliphatic >EC10-EC12            | EH_2D_AL          |
| Aliphatic >EC12-EC16            | EH_2D_AL          |
| Aliphatic >EC16-EC21            | EH_2D_AL          |
| Aliphatic >EC21-EC35            | EH_2D_AL          |
| Aliphatic >EC35-EC40            | EH_2D_AL          |
| Aliphatic >EC40-EC44            | EH_2D_AL          |
| Aliphatic C5-C44                | EH_2D+HS_1D_AL    |
| Aromatic C5-C7                  | HS_1D_AR          |
| Aromatic C7-C8                  | HS_1D_AR          |
| Aromatic C8-C10                 | HS_1D_AR          |
| Aromatic >EC10-EC12             | EH_2D_AR          |
| Aromatic >EC12-EC16             | EH_2D_AR          |
| Aromatic >EC16-EC21             | EH_2D_AR          |
| Aromatic >EC21-EC35             | EH_2D_AR          |
| Aromatic >EC35-EC40             | EH_2D_AR          |
| Aromatic >EC40-EC44             | EH_2D_AR          |
| Aromatic C5-C44                 | EH_2D+HS_1D_AR    |
| TPH Ali/Aro C5-C44              | EH_2D+HS_1D_Total |
| EPH >C24-C40                    | EH_2D_Total       |
| Mineral Oil >C10-C40 + Clean Up | EH_CU_2D_Total    |

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**Key:**

~ Sample details are provided by the client and can affect the validity of the results

\* -not accredited.

# -MCERTS (accreditation only applies if report carries the MCERTS logo).

\$ -subcontracted.

n/s -not supplied.

I/S -insufficient sample.

U/S -unsuitable sample.

t/f -to follow.

nd -not detected.

**End of Report** Ver 25.03.07

# Certificate of Analysis

RECEIVED: 16/10/2025

**Certificate Number** 25-15299

**Issued:** 16-Jul-25

**Client** Causeway Geotech  
Unit 1 Fingal House  
Stephenstown Industrial Estate  
Balbriggan  
Co. Dublin  
K32 VR66

**Our Reference** 25-15299

**Client Reference ~** 24-0211

**Order No ~** (not supplied)

**Contract Title ~** Kingston Lands

**Description** 6 Soil samples, 6 Leachate prepared by DETS samples.

**Date Received** 07-Jul-25

**Date Started** 07-Jul-25

**Date Completed** 16-Jul-25

**Test Procedures** Identified by prefix DETSn (details on request).

**Notes** Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

**Approved By**



Reyhan Irfan  
Operations Manager



Sample Deviations present. See Deviation Table Section for details.

Normec DETS Limited

Unit 2, Park Road Industrial Estate South, Consett, Co Durham, DH8 5PY  
Tel: 01207 582333 • email: [info-dets@normecgroup.com](mailto:info-dets@normecgroup.com) • [normecdets.com](http://normecdets.com)

# Summary of Chemical Analysis Soil Samples

Our Ref 25-15299  
Client Ref ~ 24-0211  
Contract Title ~ Kingston Lands

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| Lab No          | 2533912    | 2533913    | 2533914    | 2533915    | 2533916    | 2533917    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | ETP04      | ETP03      | TP04       | TP09       | TP16       | BH07       |
| Depth ~         | 2.00       | 1.00       | 0.50       | 1.00       | 1.00       | 0.50       |
| Other ID ~      |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 23/05/2025 | 26/05/2025 | 26/05/2025 | 26/05/2025 | 28/05/2025 | 01/06/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                             | Method      | LOD  | Units |         |         |         |         |         |         |
|----------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|
| <b>Preparation</b>               |             |      |       |         |         |         |         |         |         |
| Moisture Content                 | DETSC 1004  | 0.1  | %     | 8.9     | 10      | 75      | 8.5     | 7.9     | 6.0     |
| <b>Metals</b>                    |             |      |       |         |         |         |         |         |         |
| Antimony                         | DETSC 2301* | 1    | mg/kg | 1.2     | 1.0     | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Arsenic                          | DETSC 2301# | 0.2  | mg/kg | 2.0     | 2.1     | 2.6     | 1.9     | 1.2     | 2.1     |
| Barium                           | DETSC 2301# | 1.5  | mg/kg | 17      | 22      | 27      | 16      | 5.7     | 13      |
| Boron, Water Soluble (2.5:1)     | DETSC 2311# | 0.2  | mg/kg | 0.2     | < 0.2   | 0.8     | < 0.2   | 0.3     | < 0.2   |
| Cadmium                          | DETSC 2301# | 0.1  | mg/kg | 1.4     | 1.8     | < 0.1   | 1.8     | 0.5     | 1.6     |
| Chromium                         | DETSC 2301# | 0.15 | mg/kg | 16      | 15      | 10      | 10      | 3.8     | 6.2     |
| Chromium III                     | DETSC 2301* | 0.15 | mg/kg | 16      | 15      | 10      | 10      | 3.8     | 6.2     |
| Chromium, Hexavalent             | DETSC 2204* | 1    | mg/kg | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   | < 1.0   |
| Copper                           | DETSC 2301# | 0.2  | mg/kg | 23      | 27      | 60      | 20      | 14      | 15      |
| Lead                             | DETSC 2301# | 0.3  | mg/kg | 23      | 27      | 22      | 16      | 16      | 29      |
| Mercury                          | DETSC 2325# | 0.05 | mg/kg | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  | < 0.05  |
| Molybdenum                       | DETSC 2301# | 0.4  | mg/kg | 2.8     | 1.8     | 9.9     | 1.6     | 2.2     | 0.5     |
| Nickel                           | DETSC 2301# | 1    | mg/kg | 12      | 10      | 8.0     | 7.4     | 2.7     | 4.7     |
| Selenium                         | DETSC 2301# | 0.5  | mg/kg | 0.7     | < 0.5   | 1.7     | < 0.5   | 0.6     | < 0.5   |
| Zinc                             | DETSC 2301# | 1    | mg/kg | 31      | 32      | 22      | 34      | 20      | 46      |
| <b>Inorganics</b>                |             |      |       |         |         |         |         |         |         |
| pH                               | DETSC 2008# |      | pH    | 8.0     | 7.2     | 6.7     | 8.2     | 7.0     | 8.4     |
| Cyanide, Total                   | DETSC 2130# | 0.1  | mg/kg | < 0.1   | 0.1     | 0.4     | < 0.1   | 0.2     | < 0.1   |
| Total Organic Carbon             | DETSC 2084# | 0.5  | %     | 1.0     | 2.0     | 25      | 0.5     | 2.2     | 0.9     |
| Sulphide                         | DETSC 2024* | 10   | mg/kg | < 10    | 24      | 16      | 12      | 16      | 28      |
| Sulphur (free)                   | DETSC 3049# | 0.75 | mg/kg | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  | < 0.75  |
| Sulphate as SO4, Total           | DETSC 2321# | 0.01 | %     | 0.01    | < 0.01  | 0.24    | 0.01    | 0.03    | 0.02    |
| <b>Petroleum Hydrocarbons</b>    |             |      |       |         |         |         |         |         |         |
| Aliphatic C5-C6: HS_1D_AL        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aliphatic C6-C8: HS_1D_AL        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | 0.01    | < 0.01  | < 0.01  |
| Aliphatic C8-C10: HS_1D_AL       | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | 0.02    | < 0.01  | < 0.01  |
| Aliphatic >EC10-EC12: EH_2D_AL   | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC12-EC16: EH_2D_AL   | DETSC 3521# | 1.2  | mg/kg | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  | < 1.20  |
| Aliphatic >EC16-EC21: EH_2D_AL   | DETSC 3521# | 1.5  | mg/kg | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  | < 1.50  |
| Aliphatic >EC21-EC35: EH_2D_AL   | DETSC 3521# | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC35-EC40: EH_2D_AL   | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic >EC40-EC44: EH_2D_AL   | DETSC 3521* | 3.4  | mg/kg | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  | < 3.40  |
| Aliphatic C5-C44: EH_2D+HS_1D_AL | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Aromatic C5-C7: HS_1D_AR         | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C7-C8: HS_1D_AR         | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic C8-C10: HS_1D_AR        | DETSC 3321* | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Aromatic >EC10-EC12: EH_2D_AR    | DETSC 3521# | 0.9  | mg/kg | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  | < 0.90  |
| Aromatic >EC12-EC16: EH_2D_AR    | DETSC 3521# | 0.5  | mg/kg | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  | < 0.50  |
| Aromatic >EC16-EC21: EH_2D_AR    | DETSC 3521# | 0.6  | mg/kg | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  | < 0.60  |

# Summary of Chemical Analysis Soil Samples

Our Ref 25-15299  
Client Ref ~ 24-0211  
Contract Title ~ Kingston Lands

RECEIVED: 16/10/2025

| Lab No          | 2533912    | 2533913    | 2533914    | 2533915    | 2533916    | 2533917    |
|-----------------|------------|------------|------------|------------|------------|------------|
| Sample ID ~     | ETP04      | ETP03      | TP04       | TP09       | TP16       | BH07       |
| Depth ~         | 2.00       | 1.00       | 0.50       | 1.00       | 1.00       | 0.50       |
| Other ID ~      |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 23/05/2025 | 26/05/2025 | 26/05/2025 | 26/05/2025 | 28/05/2025 | 01/06/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                  | Method      | LOD  | Units |         |         |         |         |         |         |
|---------------------------------------|-------------|------|-------|---------|---------|---------|---------|---------|---------|
| Aromatic >EC21-EC35: EH_2D_AR         | DETSC 3521# | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | 2.27    |
| Aromatic >EC35-EC40: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic >EC40-EC44: EH_2D_AR         | DETSC 3521* | 1.4  | mg/kg | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  | < 1.40  |
| Aromatic C5-C44: EH_2D+HS_1D_AR       | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| TPH Ali/Aro C5-C44: EH_2D+HS_1D_Total | DETSC 3521* | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| EPH >C24-C40: EH_2D_Total             | DETSC 3521# | 10   | mg/kg | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 | < 10.00 |
| Benzene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Ethylbenzene                          | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Toluene                               | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| Xylene                                | DETSC 3321# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| MTBE                                  | DETSC 3321  | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>PAHs</b>                           |             |      |       |         |         |         |         |         |         |
| Naphthalene                           | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Acenaphthylene                        | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Acenaphthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Fluorene                              | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Phenanthrene                          | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Anthracene                            | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Fluoranthene                          | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Pyrene                                | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(a)anthracene                    | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Chrysene                              | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(b)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(k)fluoranthene                  | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(a)pyrene                        | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Indeno(1,2,3-c,d)pyrene               | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Dibenzo(a,h)anthracene                | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Benzo(g,h,i)perylene                  | DETSC 3301  | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| Coronene                              | DETSC 3301* | 0.1  | mg/kg | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  | < 0.10  |
| PAH 16 Total                          | DETSC 3301  | 1.6  | mg/kg | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   | < 1.6   |
| <b>PCBs</b>                           |             |      |       |         |         |         |         |         |         |
| PCB 28 + PCB 31                       | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 52                                | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 101                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 118                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 153                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 138                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 180                               | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| PCB 7 Total                           | DETSC 3401# | 0.01 | mg/kg | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  | < 0.01  |
| <b>Phenols</b>                        |             |      |       |         |         |         |         |         |         |
| Phenol - Monohydric                   | DETSC 2130# | 0.3  | mg/kg | < 0.3   | < 0.3   | 2.7     | < 0.3   | 0.7     | < 0.3   |

RECEIVED: 16/10/2025

## Summary of Chemical Analysis

### Leachate Samples

Our Ref 25-15299

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands

|                 |            |            |            |            |            |            |
|-----------------|------------|------------|------------|------------|------------|------------|
| Lab No          | 2533918    | 2533919    | 2533920    | 2533921    | 2533922    | 2533923    |
| Sample ID ~     | ETP04      | ETP03      | TP04       | TP09       | TP16       | BH07       |
| Depth ~         | 2.00       | 1.00       | 0.50       | 1.00       | 1.00       | 0.50       |
| Other ID ~      |            |            |            |            |            |            |
| Sample Type ~   | ES         | ES         | ES         | ES         | ES         | ES         |
| Sampling Date ~ | 23/05/2025 | 26/05/2025 | 26/05/2025 | 26/05/2025 | 28/05/2025 | 01/06/2025 |
| Sampling Time ~ | n/s        | n/s        | n/s        | n/s        | n/s        | n/s        |

| Test                                   | Method     | LOD    | Units |        |        |        |        |        |        |
|----------------------------------------|------------|--------|-------|--------|--------|--------|--------|--------|--------|
| <b>Inorganics</b>                      |            |        |       |        |        |        |        |        |        |
| Un-Ionised Ammonia                     | *          | 0.02   | mg/l  | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Ammoniacal Nitrogen as NH <sub>4</sub> | DETSC 2207 | 0.0193 | mg/l  | 0.16   | 0.04   | 0.33   | 0.08   | 0.03   | 0.02   |

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## Summary of Asbestos Analysis Soil Samples

Our Ref 25-15299

Client Ref ~ 24-0211

Contract Title ~ Kingston Lands

| Lab No  | Sample ID  | Material Type | Result | Comment* | Analyst   |
|---------|------------|---------------|--------|----------|-----------|
| 2533912 | ETP04 2.00 | SOIL          | NAD    | none     | Josh Best |
| 2533913 | ETP03 1.00 | SOIL          | NAD    | none     | Josh Best |
| 2533914 | TP04 0.50  | SOIL          | NAD    | none     | Josh Best |
| 2533915 | TP09 1.00  | SOIL          | NAD    | none     | Josh Best |
| 2533916 | TP16 1.00  | SOIL          | NAD    | none     | Josh Best |
| 2533917 | BH07 0.50  | SOIL          | NAD    | none     | Josh Best |

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: \* -not included in laboratory scope of accreditation.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-15299  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id ETP04 2.00

Sample Numbers 2533912 2533918  
 Date Analysed 16/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 1.0    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 2.2    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.0    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.54                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 4.5                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.53                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 5.3                 | 0.05                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 8.4                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.76                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.7                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.99                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 7.1                 | 0.07                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 990                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 190                 | 1.9                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1900                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 65000               | 650                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 5700                | 57                   | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 7.6  |
| DETSC 2009 Conductivity uS/cm | 93.2 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.099 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.891 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-15299  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id ETP03 1.00

Sample Numbers 2533913 2533919  
 Date Analysed 16/07/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 2.0    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 3.3    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.2    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.91                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 13                  | 0.1                  | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.05                | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 4.7                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 36                  | 0.36                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 2.5                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 2.8                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 4.6                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.9                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 8.3                 | 0.08                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 810                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 120                 | 1.2                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 1000                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 20000               | 200                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 5400                | 54                   | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 7.1  |
| DETSC 2009 Conductivity uS/cm | 27.9 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.100 |
| Mass of dry Sample Kg | 0.090 |

Stage 1

|                       |      |
|-----------------------|------|
| Volume of Leachant L2 | 0.89 |
| Volume of Eluate VE1  | 0.8  |

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions. Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-15299  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id TP04 0.50

Sample Numbers 2533914 2533920  
 Date Analysed 16/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 25.0   | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 75.0   | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 6.7    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.52                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 6                   | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | < 0.25              | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 2.5                 | 0.03                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 15                  | 0.2                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 0.64                | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 0.32                | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | < 0.25              | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 6.7                 | 0.07                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 3000                | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 34000               | 340                  | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 85000               | 850                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 7000                | 70                   | 500                            | 800    | 1000            |

| Additional Information        |       |
|-------------------------------|-------|
| DETSC 2008 pH                 | 6.5   |
| DETSC 2009 Conductivity uS/cm | 121.0 |
| * Temperature*                | 19.0  |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.090 |
| Mass of dry Sample Kg | 0.022 |

Stage 1

|                       |       |
|-----------------------|-------|
| Volume of Leachant L2 | 0.154 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-15299  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id TP09 1.00

Sample Numbers 2533915 2533921  
 Date Analysed 16/07/2025

RECEIVED: 16/10/2025

| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 0.5    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 1.5    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 8.2    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 2.4                 | 0.02                 | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 5.5                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | 0.047               | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 1.5                 | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 11                  | 0.11                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 21                  | 0.2                  | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | 1.8                 | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 3.1                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 1.3                 | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 1                   | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 3.5                 | 0.04                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 610                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | 190                 | 1.9                  | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 8300                | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 60000               | 600                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 4100                | < 50                 | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 7.5  |
| DETSC 2009 Conductivity uS/cm | 85.3 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.098 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.892 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-15299  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id TP16 1.00

Sample Numbers 2533916 2533922  
 Date Analysed 16/07/2025

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| Test Results On Waste                          |          |        | WAC Limit Values |       |                 |
|------------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference               | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETSC 2084# Total Organic Carbon               | %        | 2.2    | 3                | 5     | 6               |
| DETSC 2003# Loss On Ignition                   | %        | 7.1    | n/a              | n/a   | 10              |
| DETSC 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETSC 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETSC 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETSC 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETSC 2008# pH                                 | pH Units | 7.0    | n/a              | >6    | n/a             |
| DETSC 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETSC 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate            |                     |                      | WAC Limit Values               |        |                 |
|-------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference    | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                     | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETSC 2306 Arsenic as As            | 0.42                | < 0.01               | 0.5                            | 2      | 25              |
| DETSC 2306 Barium as Ba             | 1.6                 | < 0.1                | 20                             | 100    | 300             |
| DETSC 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETSC 2306 Chromium as Cr           | 0.49                | < 0.1                | 0.5                            | 10     | 70              |
| DETSC 2306 Copper as Cu             | 2.5                 | 0.03                 | 2                              | 50     | 100             |
| DETSC 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETSC 2306 Molybdenum as Mo         | 2.4                 | < 0.1                | 0.5                            | 10     | 30              |
| DETSC 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETSC 2306 Lead as Pb               | 2.1                 | < 0.05               | 0.5                            | 10     | 50              |
| DETSC 2306 Antimony as Sb           | 0.18                | < 0.05               | 0.06                           | 0.7    | 5               |
| DETSC 2306 Selenium as Se           | 0.4                 | < 0.03               | 0.1                            | 0.5    | 7               |
| DETSC 2306 Zinc as Zn               | 1.8                 | 0.02                 | 4                              | 50     | 200             |
| DETSC 2055 Chloride as Cl           | 840                 | < 100                | 800                            | 15,000 | 25,000          |
| DETSC 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETSC 2055 Sulphate as SO4          | 880                 | < 100                | 1000                           | 20,000 | 50,000          |
| DETSC 2009* Total Dissolved Solids  | 18000               | 180                  | 4000                           | 60,000 | 100,000         |
| DETSC 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETSC 2085 Dissolved Organic Carbon | 7900                | 79                   | 500                            | 800    | 1000            |

| Additional Information        |      |
|-------------------------------|------|
| DETSC 2008 pH                 | 7.1  |
| DETSC 2009 Conductivity uS/cm | 26.4 |
| * Temperature*                | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.098 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.892 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

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 Values are correct at time of issue.

# WASTE ACCEPTANCE CRITERIA TESTING

## v20.25.02.03

Our Ref 25-15299  
 Client Ref 24-0211  
 Contract Title Kingston Lands  
 Sample Id BH07 0.50

Sample Numbers 2533917 2533923  
 Date Analysed 16/07/2025

| Test Results On Waste                         |          |        | WAC Limit Values |       |                 |
|-----------------------------------------------|----------|--------|------------------|-------|-----------------|
| Determinand and Method Reference              | Units    | Result | Inert Waste      | SNRHW | Hazardous Waste |
| DETS 2084# Total Organic Carbon               | %        | 0.9    | 3                | 5     | 6               |
| DETS 2003# Loss On Ignition                   | %        | 2.2    | n/a              | n/a   | 10              |
| DETS 3321# BTEX                               | mg/kg    | < 0.04 | 6                | n/a   | n/a             |
| DETS 3401# PCBs (7 congeners)                 | mg/kg    | < 0.01 | 1                | n/a   | n/a             |
| DETS 3521* Mineral Oil >C10-C40 + Clean Up    | mg/kg    | < 10   | 500              | n/a   | n/a             |
| DETS 3301 PAHs                                | mg/kg    | < 1.6  | 100              | n/a   | n/a             |
| DETS 2008# pH                                 | pH Units | 8.4    | n/a              | >6    | n/a             |
| DETS 2073* Acid Neutralisation Capacity (pH4) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |
| DETS 2073* Acid Neutralisation Capacity (pH7) | mol/kg   | < 1.0  | n/a              | TBE   | TBE             |

| Test Results On Leachate           |                     |                      | WAC Limit Values               |        |                 |
|------------------------------------|---------------------|----------------------|--------------------------------|--------|-----------------|
| Determinand and Method Reference   | Conc in Eluate ug/l | Amount Leached mg/kg | Limit values for LS10 Leachate |        |                 |
|                                    | 10:1                | LS10                 | Inert Waste                    | SNRHW  | Hazardous Waste |
| DETS 2306 Arsenic as As            | 0.38                | < 0.01               | 0.5                            | 2      | 25              |
| DETS 2306 Barium as Ba             | 3.1                 | < 0.1                | 20                             | 100    | 300             |
| DETS 2306 Cadmium as Cd            | < 0.030             | < 0.02               | 0.04                           | 1      | 5               |
| DETS 2306 Chromium as Cr           | 0.46                | < 0.1                | 0.5                            | 10     | 70              |
| DETS 2306 Copper as Cu             | 3.8                 | 0.04                 | 2                              | 50     | 100             |
| DETS 2306 Mercury as Hg            | < 0.010             | < 0.002              | 0.01                           | 0.2    | 2               |
| DETS 2306 Molybdenum as Mo         | < 1.1               | < 0.1                | 0.5                            | 10     | 30              |
| DETS 2306 Nickel as Ni             | < 0.50              | < 0.1                | 0.4                            | 10     | 40              |
| DETS 2306 Lead as Pb               | 3                   | < 0.05               | 0.5                            | 10     | 50              |
| DETS 2306 Antimony as Sb           | < 0.17              | < 0.05               | 0.06                           | 0.7    | 5               |
| DETS 2306 Selenium as Se           | 0.56                | < 0.03               | 0.1                            | 0.5    | 7               |
| DETS 2306 Zinc as Zn               | 1.3                 | 0.01                 | 4                              | 50     | 200             |
| DETS 2055 Chloride as Cl           | 1100                | < 100                | 800                            | 15,000 | 25,000          |
| DETS 2055* Fluoride as F           | < 100               | < 0.1                | 10                             | 150    | 500             |
| DETS 2055 Sulphate as SO4          | 830                 | < 100                | 1000                           | 20,000 | 50,000          |
| DETS 2009* Total Dissolved Solids  | 51000               | 510                  | 4000                           | 60,000 | 100,000         |
| DETS 2130 Phenol Index             | < 100               | < 1                  | 1                              | n/a    | n/a             |
| DETS 2085 Dissolved Organic Carbon | 5500                | 55                   | 500                            | 800    | 1000            |

| Additional Information       |      |
|------------------------------|------|
| DETS 2008 pH                 | 7.7  |
| DETS 2009 Conductivity uS/cm | 72.6 |
| * Temperature*               | 19.0 |

|                       |       |
|-----------------------|-------|
| Mass of Sample Kg     | 0.096 |
| Mass of dry Sample Kg | 0.090 |

|                       |       |
|-----------------------|-------|
| Stage 1               |       |
| Volume of Leachant L2 | 0.894 |
| Volume of Eluate VE1  | 0.8   |

TBE - To Be Evaluated  
 SNRHW - Stable Non-Reactive  
 Hazardous Waste

Disclaimer: The WAC limit values are provided for guidance only. Normec DETS does not accept responsibility for errors or omissions.  
 Values are correct at time of issue.

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## Information in Support of the Analytical Results

Our Ref 25-15299  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands

### Containers Received & Deviating Samples

| Lab No  | Sample ID ~            | Date<br>Sampled ~ | Containers Received         | Holding time exceeded for tests                                                                                                                                                                                                                                                                                           | Incorrect<br>container for tests |
|---------|------------------------|-------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 2533912 | ETP04 2.00<br>SOIL     | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | BTEX / C5-C10 (14 days), Sulphur (free) (7 days),<br>EPH/Aliphatic/Aromatic (14 days), Mercury (28 days),<br>Total Sulphate ICP (30 days), Kone Cr6 (30 days),<br>Naphthalene (14 days), Organic Matter (Auto) (28 days),<br>PAH FID (14 days), PCB (30 days), pH + Conductivity (7<br>days), Cyanide/Mono pHoh (14 days) |                                  |
| 2533913 | ETP03 1.00<br>SOIL     | 26/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | BTEX / C5-C10 (14 days), Sulphur (free) (7 days),<br>EPH/Aliphatic/Aromatic (14 days), Mercury (28 days),<br>Total Sulphate ICP (30 days), Kone Cr6 (30 days),<br>Naphthalene (14 days), Organic Matter (Auto) (28 days),<br>PAH FID (14 days), PCB (30 days), pH + Conductivity (7<br>days), Cyanide/Mono pHoh (14 days) |                                  |
| 2533914 | TP04 0.50 SOIL         | 26/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | BTEX / C5-C10 (14 days), Sulphur (free) (7 days),<br>EPH/Aliphatic/Aromatic (14 days), Mercury (28 days),<br>Total Sulphate ICP (30 days), Kone Cr6 (30 days),<br>Naphthalene (14 days), Organic Matter (Auto) (28 days),<br>PAH FID (14 days), PCB (30 days), pH + Conductivity (7<br>days), Cyanide/Mono pHoh (14 days) |                                  |
| 2533915 | TP09 1.00 SOIL         | 26/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | BTEX / C5-C10 (14 days), Sulphur (free) (7 days),<br>EPH/Aliphatic/Aromatic (14 days), Mercury (28 days),<br>Total Sulphate ICP (30 days), Kone Cr6 (30 days),<br>Naphthalene (14 days), Organic Matter (Auto) (28 days),<br>PAH FID (14 days), PCB (30 days), pH + Conductivity (7<br>days), Cyanide/Mono pHoh (14 days) |                                  |
| 2533916 | TP16 1.00 SOIL         | 28/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | BTEX / C5-C10 (14 days), Sulphur (free) (7 days),<br>EPH/Aliphatic/Aromatic (14 days), Mercury (28 days),<br>Total Sulphate ICP (30 days), Kone Cr6 (30 days),<br>Naphthalene (14 days), Organic Matter (Auto) (28 days),<br>PAH FID (14 days), PCB (30 days), pH + Conductivity (7<br>days), Cyanide/Mono pHoh (14 days) |                                  |
| 2533917 | BH07 0.50 SOIL         | 01/06/25          | GJ 250ml, GJ 60ml, PT 1L x2 | BTEX / C5-C10 (14 days), Sulphur (free) (7 days),<br>EPH/Aliphatic/Aromatic (14 days), Mercury (28 days),<br>Total Sulphate ICP (30 days), Kone Cr6 (30 days),<br>Naphthalene (14 days), Organic Matter (Auto) (28 days),<br>PAH FID (14 days), PCB (30 days), pH + Conductivity (7<br>days), Cyanide/Mono pHoh (14 days) |                                  |
| 2533918 | ETP04 2.00<br>LEACHATE | 23/05/25          | GJ 250ml, GJ 60ml, PT 1L x2 | Conductivity (non reportable) (28 days), Conductivity<br>uS/cm (25oC) (28 days), Anions (28 days), Kone (4 days),<br>pH/Cond (1 days), Un-Ionised Ammonia (10 days),<br>Ammoniacal Nitrogen as NH4 (10 days), Phenol Index<br>(30 days), Cyanide/Mono pHoh (14 days), Total<br>Dissolved s (28 days), TOC AN (28 days)    |                                  |

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## Information in Support of the Analytical Results

Our Ref 25-15299  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands

| Lab No  | Sample ID ~         | Date Sampled ~ | Containers Received         | Holding time exceeded for tests                                                                                                                                                                                                                                                                         | Incorrect container for tests |
|---------|---------------------|----------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 2533919 | ETP03 1.00 LEACHATE | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Conductivity (non reportable) (28 days), Conductivity uS/cm (25oC) (28 days), Anions (28 days), Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days), Phenol Index (30 days), Cyanide/Mono pHoh (14 days), Total Dissolved s (28 days), TOC AN (28 days) |                               |
| 2533920 | TP04 0.50 LEACHATE  | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Conductivity (non reportable) (28 days), Conductivity uS/cm (25oC) (28 days), Anions (28 days), Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days), Phenol Index (30 days), Cyanide/Mono pHoh (14 days), Total Dissolved s (28 days), TOC AN (28 days) |                               |
| 2533921 | TP09 1.00 LEACHATE  | 26/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Conductivity (non reportable) (28 days), Conductivity uS/cm (25oC) (28 days), Anions (28 days), Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days), Phenol Index (30 days), Cyanide/Mono pHoh (14 days), Total Dissolved s (28 days), TOC AN (28 days) |                               |
| 2533922 | TP16 1.00 LEACHATE  | 28/05/25       | GJ 250ml, GJ 60ml, PT 1L x2 | Conductivity (non reportable) (28 days), Conductivity uS/cm (25oC) (28 days), Anions (28 days), Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days), Phenol Index (30 days), Cyanide/Mono pHoh (14 days), Total Dissolved s (28 days), TOC AN (28 days) |                               |

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## Information in Support of the Analytical Results

Our Ref 25-15299  
Client Ref ~ 24-0211  
Contract ~ Kingston Lands

|         |                    |          |                             |                                                                                                                                                                                                                                                                                                         |  |
|---------|--------------------|----------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 2533923 | BH07 0.50 LEACHATE | 01/06/25 | GJ 250ml, GJ 60ml, PT 1L x2 | Conductivity (non reportable) (28 days), Conductivity uS/cm (25oC) (28 days), Anions (28 days), Kone (4 days), pH/Cond (1 days), Un-Ionised Ammonia (10 days), Ammoniacal Nitrogen as NH4 (10 days), Phenol Index (30 days), Cyanide/Mono pHoh (14 days), Total Dissolved s (28 days), TOC AN (28 days) |  |
|---------|--------------------|----------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|

| Lab No  | Sample ID           | Comments                                          |
|---------|---------------------|---------------------------------------------------|
| 2533918 | ETP04 2.00 LEACHATE | Insufficient sample 1876g (<2kg) Sample received  |
| 2533919 | ETP03 1.00 LEACHATE | Insufficient sample 1866g (<2kg) Sample received  |
| 2533920 | TP04 0.50 LEACHATE  | Insufficient sample 891.9g (<2kg) Sample received |
| 2533921 | TP09 1.00 LEACHATE  | Insufficient sample 1316g (<2kg) Sample received  |
| 2533923 | BH07 0.50 LEACHATE  | Insufficient sample 931.7g (<2kg) Sample received |

Key: G-Glass P-Plastic J-Jar T-Tub

Normec DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

### Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 250µm sieve  
Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.  
The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/-2°C.

### Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-  
Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

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## Information in Support of the Analytical Results

List of HWOL Acronyms and Operators

| Acronym | Description                                                         |
|---------|---------------------------------------------------------------------|
| HS      | Headspace analysis                                                  |
| EH      | Extractable Hydrocarbons - i.e. everything extracted by the solvent |
| CU      | Clean-up - e.g. by florisil, silica gel                             |
| 1D      | GC - Single coil gas chromatography                                 |
| 2D      | GC-GC - Double coil gas chromatography                              |
| Total   | Aliphatics & Aromatics                                              |
| AL      | Aliphatics only                                                     |
| AR      | Aromatics only                                                      |
| #1      | EH_2D_Total but with humics mathematically subtracted               |
| #2      | EH_2D_Total but with fatty acids mathematically subtracted          |
| _       | Operator - underscore to separate acronyms (exception for +)        |
| +       | Operator to indicate cumulative eg. EH+HS_Total or EH_CU+HS_Total   |

| Det                             | Acronym           |
|---------------------------------|-------------------|
| Aliphatic C5-C6                 | HS_1D_AL          |
| Aliphatic C6-C8                 | HS_1D_AL          |
| Aliphatic C8-C10                | HS_1D_AL          |
| Aliphatic >EC10-EC12            | EH_2D_AL          |
| Aliphatic >EC12-EC16            | EH_2D_AL          |
| Aliphatic >EC16-EC21            | EH_2D_AL          |
| Aliphatic >EC21-EC35            | EH_2D_AL          |
| Aliphatic >EC35-EC40            | EH_2D_AL          |
| Aliphatic >EC40-EC44            | EH_2D_AL          |
| Aliphatic C5-C44                | EH_2D+HS_1D_AL    |
| Aromatic C5-C7                  | HS_1D_AR          |
| Aromatic C7-C8                  | HS_1D_AR          |
| Aromatic C8-C10                 | HS_1D_AR          |
| Aromatic >EC10-EC12             | EH_2D_AR          |
| Aromatic >EC12-EC16             | EH_2D_AR          |
| Aromatic >EC16-EC21             | EH_2D_AR          |
| Aromatic >EC21-EC35             | EH_2D_AR          |
| Aromatic >EC35-EC40             | EH_2D_AR          |
| Aromatic >EC40-EC44             | EH_2D_AR          |
| Aromatic C5-C44                 | EH_2D+HS_1D_AR    |
| TPH Ali/Aro C5-C44              | EH_2D+HS_1D_Total |
| EPH >C24-C40                    | EH_2D_Total       |
| Mineral Oil >C10-C40 + Clean Up | EH_CU_2D_Total    |

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**Key:**

~ Sample details are provided by the client and can affect the validity of the results

\* -not accredited.

# -MCERTS (accreditation only applies if report carries the MCERTS logo).

\$ -subcontracted.

n/s -not supplied.

I/S -insufficient sample.

U/S -unsuitable sample.

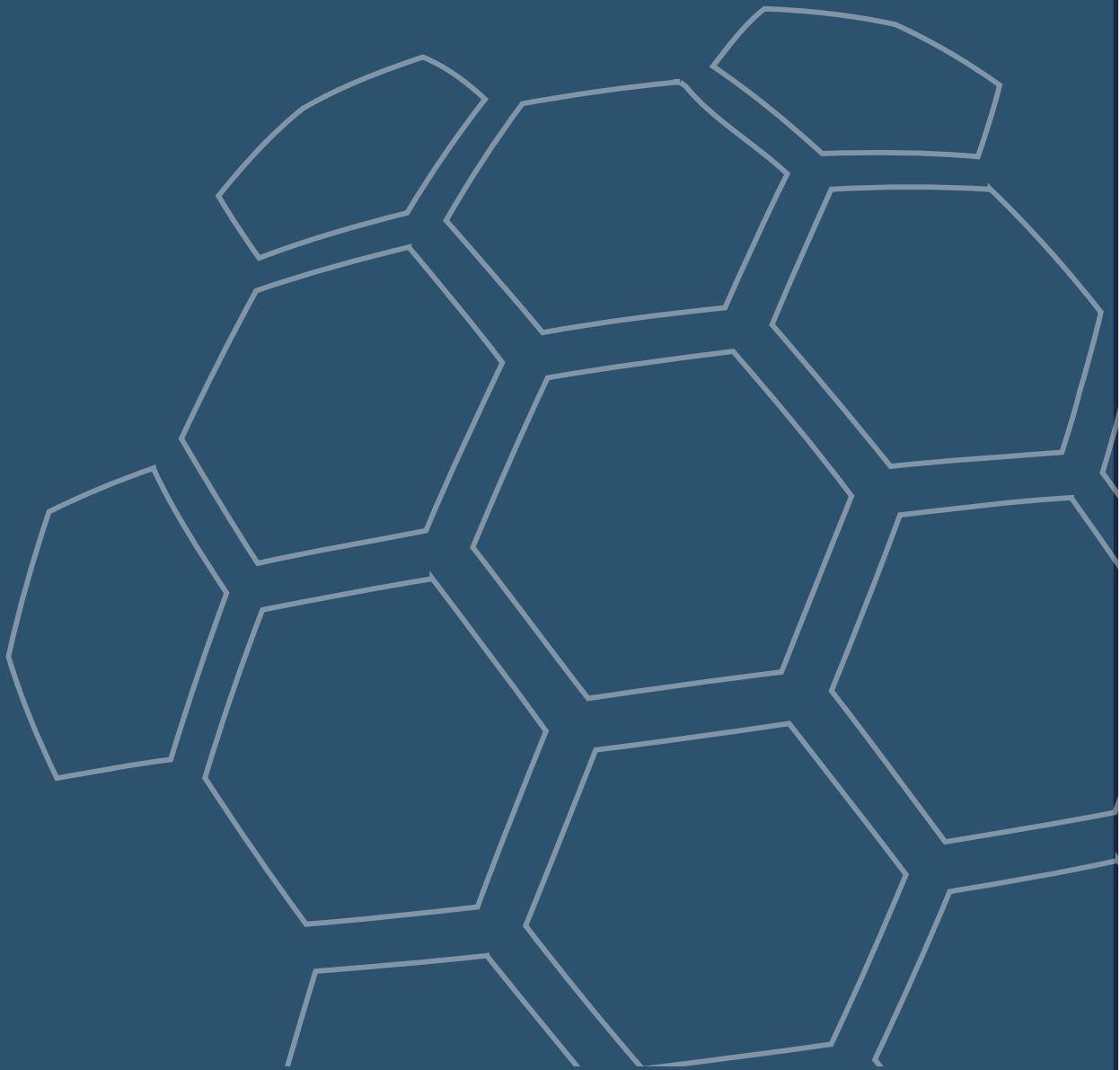
t/f -to follow.

nd -not detected.

**End of Report** Ver 25.03.07

# APPENDIX N – SPT HAMMER ENERGY MEASUREMENT REPORT

RECEIVED: 16/10/2025



**Causeway Geotech LTD**  
**8 Drumahiskey Road**  
**Ballymoney**  
**Co Antrim**  
**BT53 7QL**

SPT Hammer Ref: 1529  
 Test Date: 07/03/2025  
 Report Date:  
 File Name: 1529.spt  
 Test Operator: CD



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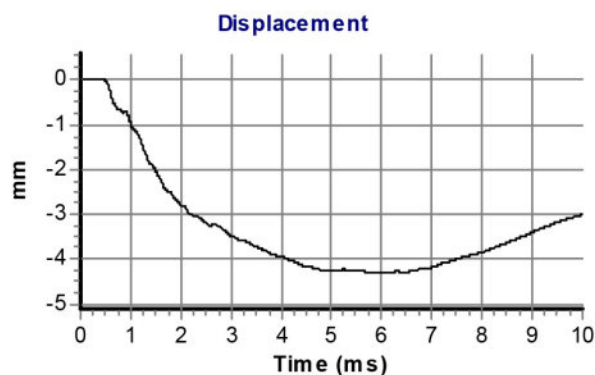
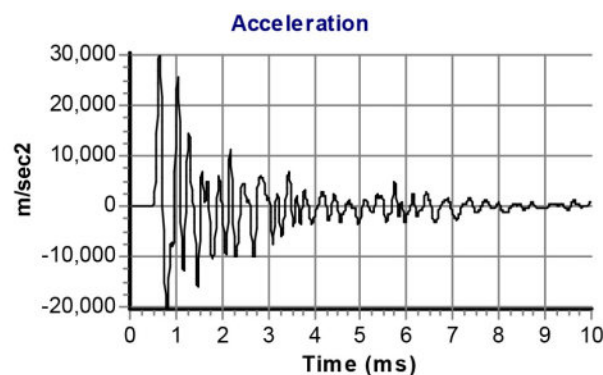
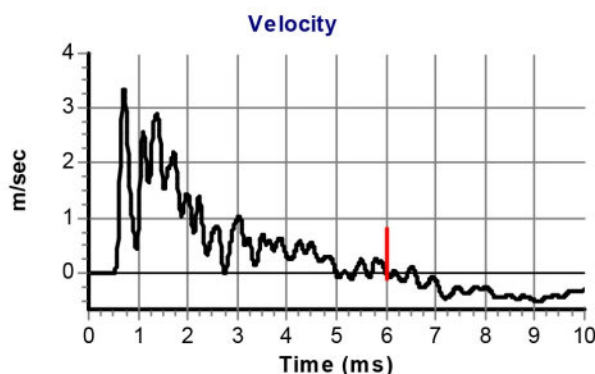
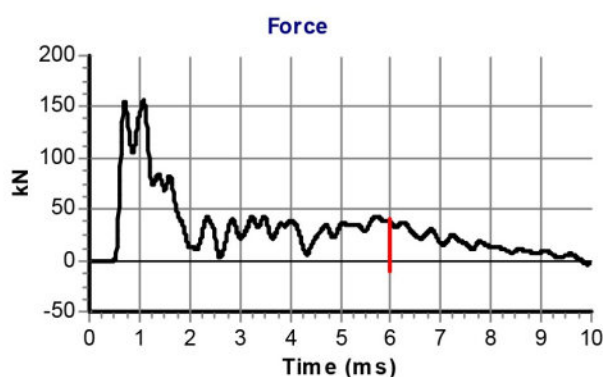
## Instrumented Rod Data

Diameter  $d_r$  (mm): 54  
 Wall Thickness  $t_r$  (mm): 6.4  
 Rod Length  $l_r$  (m): 1.0  
 Assumed Modulus  $E_a$  (GPa): 208  
 Accelerometer No.1: 78855  
 Accelerometer No.2: 78856

## SPT Hammer Information

Hammer Mass  $m$  (kg): 63.5  
 Falling Height  $h$  (mm): 760  
 SPT String Length  $L$  (m): 10.0

## Comments / Location



## Calculations

Area of Rod A ( $\text{mm}^2$ ): 957  
 Theoretical Energy  $E_{\text{theor}}$  (J): 473  
 Measured Energy  $E_{\text{meas}}$  (J): 322

**Energy Ratio  $E_r$  (%):** **68**

Signed: Colin Dunlop  
 Title: Plant Manager

**Causeway Geotech LTD**  
**8 Drumahiskey Road**  
**Ballymoney**  
**Co Antrim**  
**BT53 7QL**

SPT Hammer Ref: 1377  
 Test Date: 24/03/2025  
 Report Date:  
 File Name: 1377.spt  
 Test Operator: CD



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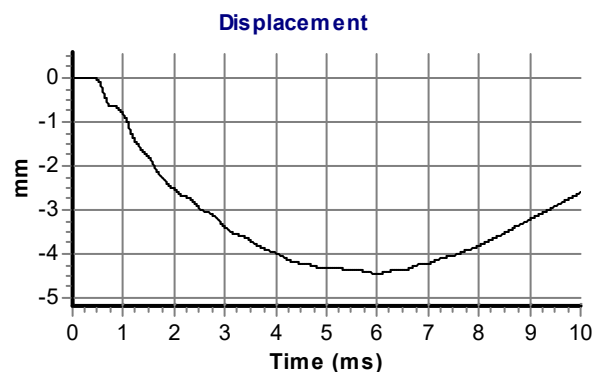
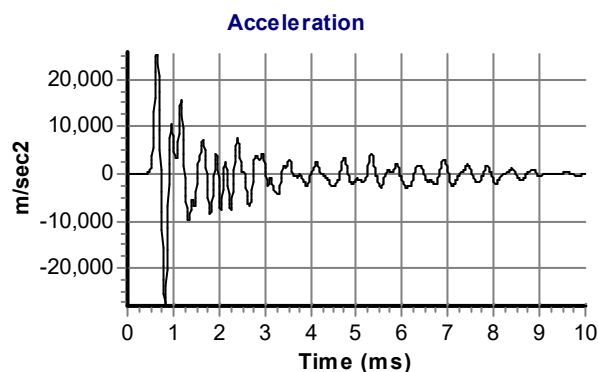
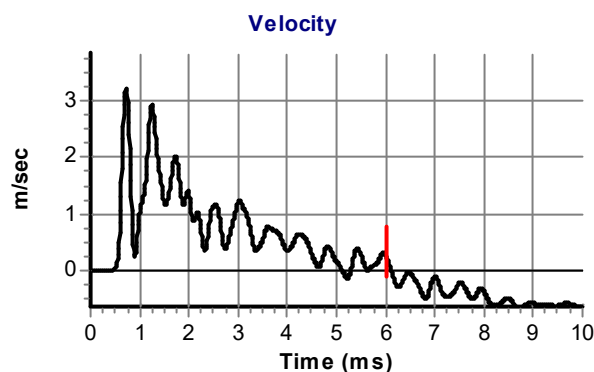
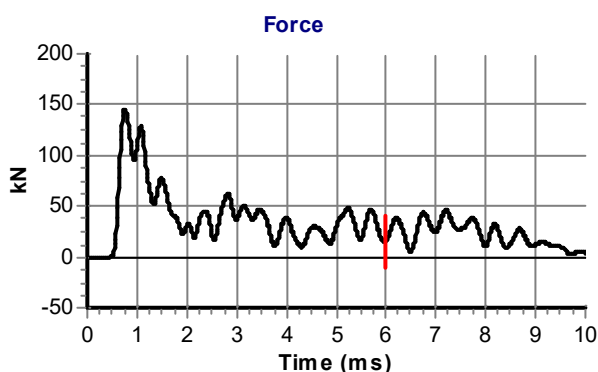
## Instrumented Rod Data

Diameter  $d_r$  (mm): 54  
 Wall Thickness  $t_r$  (mm): 6.4  
 Rod Length  $l_r$  (m): 1.0  
 Assumed Modulus  $E_a$  (GPa): 208  
 Accelerometer No.1: 78855  
 Accelerometer No.2: 78856

## SPT Hammer Information

Hammer Mass  $m$  (kg): 63.5  
 Falling Height  $h$  (mm): 760  
 SPT String Length  $L$  (m): 10.0

## Comments / Location



## Calculations

Area of Rod  $A$  (mm<sup>2</sup>): 957  
 Theoretical Energy  $E_{theor}$  (J): 473  
 Measured Energy  $E_{meas}$  (J): 260

**Energy Ratio  $E_r$  (%):** 55

Signed: Colin Dunlop  
 Title: Plant Manager



**CAUSEWAY**  
GEOTECH

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**Causeway Geotech Limited** has made its commitment to health and safety of people, the environment and the quality of its services an integral part of our strategy.

Whether it be ensuring people's safety or meeting the challenges of operating in an ecologically diverse environment, we aim to act in a sustainable and responsible manner at all times.

#### CERTIFICATIONS /ACCREDITATIONS



#### MEMBERSHIPS



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[www.causewaygeotech.com](http://www.causewaygeotech.com)