Results - 2 Stage WAC

RECEIVED 03/08/2026

Project: 19-0472 Kingston Galway

							Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	19-16652								
Chemtest Sample ID:	827657								
Sample Ref:									
Sample ID:									
Sample Location:	TP01								
Top Depth(m):	0.4								
Bottom Depth(m):									
Sampling Date:	13-May-2019								
Determinand	**SOP**	**Accred.**	**Units**				**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625	U	%			2.0	3	5	6
Loss On Ignition	2610	U	%			2.7	--	--	10
Total BTEX	2760	U	mg/kg			< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	U	mg/kg			< 0.10	1	--	--
TPH Total WAC (Mineral Oil)	2670	U	mg/kg			< 10	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg			< 2.0	100	--	--
pH	2010	U				8.3	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg			0.0050	--	To evaluate	To evaluate
Eluate Analysis			**2:1 mg/l**	**8:1 mg/l**	**2:1 mg/kg**	**Cumulative mg/kg 10:1**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1450	U	< 0.0010	< 0.0010	< 0.050	< 0.050	0.5	2	25
Barium	1450	U	0.011	0.0079	< 0.50	< 0.50	20	100	300
Cadmium	1450	U	< 0.00010	< 0.00010	< 0.010	< 0.010	0.04	1	5
Chromium	1450	U	0.0010	0.0013	< 0.050	< 0.050	0.5	10	70
Copper	1450	U	0.0022	0.0026	< 0.050	< 0.050	2	50	100
Mercury	1450	U	< 0.00050	< 0.00050	< 0.0010	< 0.0050	0.01	0.2	2
Molybdenum	1450	U	0.0082	0.0033	< 0.050	< 0.050	0.5	10	30
Nickel	1450	U	< 0.0010	< 0.0010	< 0.050	< 0.050	0.4	10	40
Lead	1450	U	< 0.0010	0.0042	< 0.010	0.038	0.5	10	50
Antimony	1450	U	< 0.0010	< 0.0010	< 0.010	< 0.010	0.06	0.7	5
Selenium	1450	U	0.0010	< 0.0010	< 0.010	< 0.010	0.1	0.5	7
Zinc	1450	U	< 0.0010	< 0.0010	< 0.50	< 0.50	4	50	200
Chloride	1220	U	4.4	1.7	< 10	20	800	15000	25000
Fluoride	1220	U	0.29	0.28	< 1.0	2.8	10	150	500
Sulphate	1220	U	5.2	< 1.0	10	< 10	1000	20000	50000
Total Dissolved Solids	1020	N	170	98	340	1000	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.030	< 0.30	< 0.50	1	-	-
Dissolved Organic Carbon	1610	U	18	20	< 50	190	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	13

Leachate Test Information	
Leachant volume 1st extract/l	0.323
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.181

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - 2 Stage WAC

RECEIVED 03/08/2026

Project: 19-0472 Kingston Galway

							Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	19-16652								
Chemtest Sample ID:	827658								
Sample Ref:									
Sample ID:									
Sample Location:	TP07								
Top Depth(m):	0.6								
Bottom Depth(m):									
Sampling Date:	13-May-2019								
Determinand	**SOP**	**Accred.**	**Units**				**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625	U	%			0.30	3	5	6
Loss On Ignition	2610	U	%			2.4	--	--	10
Total BTEX	2760	U	mg/kg			< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	U	mg/kg			< 0.10	1	--	--
TPH Total WAC (Mineral Oil)	2670	U	mg/kg			< 10	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg			< 2.0	100	--	--
pH	2010	U				7.9	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg			0.0050	--	To evaluate	To evaluate
Eluate Analysis			**2:1 mg/l**	**8:1 mg/l**	**2:1 mg/kg**	**Cumulative mg/kg 10:1**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1450	U	< 0.0010	< 0.0010	< 0.050	< 0.050	0.5	2	25
Barium	1450	U	0.0047	0.0068	< 0.50	< 0.50	20	100	300
Cadmium	1450	U	< 0.00010	< 0.00010	< 0.010	< 0.010	0.04	1	5
Chromium	1450	U	0.0028	0.0032	< 0.050	< 0.050	0.5	10	70
Copper	1450	U	0.0068	0.0084	< 0.050	< 0.050	2	50	100
Mercury	1450	U	< 0.00050	< 0.00050	< 0.0010	< 0.0050	0.01	0.2	2
Molybdenum	1450	U	0.0018	< 0.0010	< 0.050	< 0.050	0.5	10	30
Nickel	1450	U	< 0.0010	< 0.0010	< 0.050	< 0.050	0.4	10	40
Lead	1450	U	0.012	0.024	0.024	0.23	0.5	10	50
Antimony	1450	U	< 0.0010	< 0.0010	< 0.010	< 0.010	0.06	0.7	5
Selenium	1450	U	0.0010	< 0.0010	< 0.010	< 0.010	0.1	0.5	7
Zinc	1450	U	0.0011	0.0016	< 0.50	< 0.50	4	50	200
Chloride	1220	U	5.9	2.1	12	23	800	15000	25000
Fluoride	1220	U	0.16	0.20	< 1.0	2.0	10	150	500
Sulphate	1220	U	4.7	2.9	< 10	30	1000	20000	50000
Total Dissolved Solids	1020	N	47	29	93	300	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.030	< 0.30	< 0.50	1	-	-
Dissolved Organic Carbon	1610	U	20	27	< 50	260	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	13

Leachate Test Information	
Leachant volume 1st extract/l	0.324
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.117

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Results - 2 Stage WAC

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Project: 19-0472 Kingston Galway

							Landfill Waste Acceptance Criteria Limits		
Chemtest Job No:	19-16652								
Chemtest Sample ID:	827659								
Sample Ref:									
Sample ID:									
Sample Location:	TP12								
Top Depth(m):	0.6								
Bottom Depth(m):									
Sampling Date:	13-May-2019								
Determinand	**SOP**	**Accred.**	**Units**				**Inert Waste Landfill**	**Stable, Non-reactive hazardous waste in non-hazardous Landfill**	**Hazardous Waste Landfill**
Total Organic Carbon	2625	U	%			9.4	3	5	6
Loss On Ignition	2610	U	%			18	--	--	10
Total BTEX	2760	U	mg/kg			< 0.010	6	--	--
Total PCBs (7 Congeners)	2815	U	mg/kg			< 0.10	1	--	--
TPH Total WAC (Mineral Oil)	2670	U	mg/kg			< 10	500	--	--
Total (Of 17) PAH's	2700	N	mg/kg			< 2.0	100	--	--
pH	2010	U				7.6	--	>6	--
Acid Neutralisation Capacity	2015	N	mol/kg			0.0040	--	To evaluate	To evaluate
Eluate Analysis			**2:1 mg/l**	**8:1 mg/l**	**2:1 mg/kg**	**Cumulative mg/kg 10:1**	**Limit values for compliance leaching test using BS EN 12457 at L/S 10 l/kg**		
Arsenic	1450	U	< 0.0010	< 0.0010	< 0.050	< 0.050	0.5	2	25
Barium	1450	U	0.0098	0.0073	< 0.50	< 0.50	20	100	300
Cadmium	1450	U	< 0.00010	< 0.00010	< 0.010	< 0.010	0.04	1	5
Chromium	1450	U	< 0.0010	< 0.0010	< 0.050	< 0.050	0.5	10	70
Copper	1450	U	0.0019	0.0016	< 0.050	< 0.050	2	50	100
Mercury	1450	U	< 0.00050	< 0.00050	< 0.0010	< 0.0050	0.01	0.2	2
Molybdenum	1450	U	0.015	0.0075	< 0.050	0.084	0.5	10	30
Nickel	1450	U	< 0.0010	< 0.0010	< 0.050	< 0.050	0.4	10	40
Lead	1450	U	0.0012	0.0052	< 0.010	0.047	0.5	10	50
Antimony	1450	U	< 0.0010	< 0.0010	< 0.010	< 0.010	0.06	0.7	5
Selenium	1450	U	< 0.0010	< 0.0010	< 0.010	< 0.010	0.1	0.5	7
Zinc	1450	U	0.0034	< 0.0010	< 0.50	< 0.50	4	50	200
Chloride	1220	U	3.1	1.2	< 10	14	800	15000	25000
Fluoride	1220	U	0.17	0.18	< 1.0	1.8	10	150	500
Sulphate	1220	U	8.5	< 1.0	17	10	1000	20000	50000
Total Dissolved Solids	1020	N	160	110	320	1200	4000	60000	100000
Phenol Index	1920	U	< 0.030	< 0.030	< 0.30	< 0.50	1	-	-
Dissolved Organic Carbon	1610	U	29	24	56	250	500	800	1000

Solid Information	
Dry mass of test portion/kg	0.175
Moisture (%)	17

Leachate Test Information	
Leachant volume 1st extract/l	0.315
Leachant volume 2nd extract/l	1.400
Eluant recovered from 1st extract/l	0.215

Waste Acceptance Criteria

Landfill WAC analysis (specifically leaching test results) must not be used for hazardous waste classification purposes. This analysis is only applicable for hazardous waste landfill acceptance and does not give any indication as to whether a waste may be hazardous or non-hazardous.

Report Information

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Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis
The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols
For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at the indicated laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container
E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.com

CAUSEWAY GEOTECH

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APPENDIX I

SPT HAMMER ENERGY MEASUREMENT REPORT



SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

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Neil Burrows
Southern Testing Laboratories
Unit 11
Charlwoods Road
East Grinstead
RH19 2HU

SPT Hammer Ref:	0193
Test Date:	23/02/2019
Report Date:	26/02/2019
File Name:	0193.spt
Test Operator:	NPB

Instrumented Rod Data

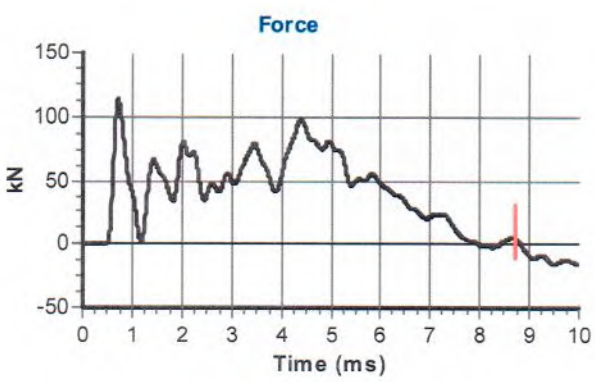
Diameter d_r (mm):	54
Wall Thickness t_r (mm):	6.0
Assumed Modulus E_a (GPa):	200
Accelerometer No.1:	6458
Accelerometer No.2:	9607

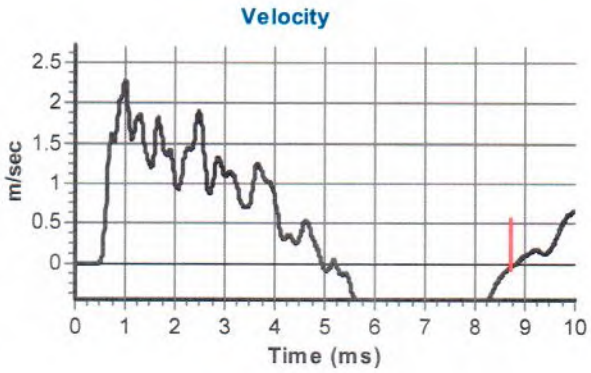
SPT Hammer Information

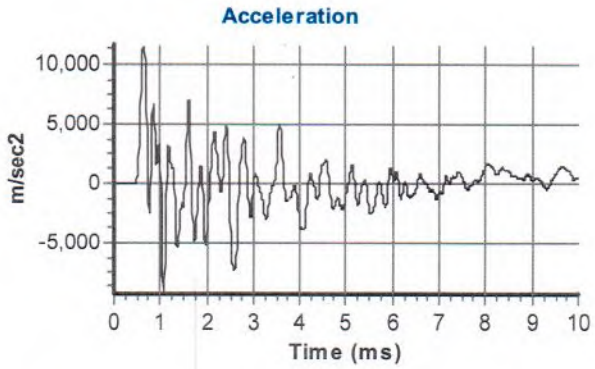
Hammer Mass m (kg):	63.5
Falling Height h (mm):	760
SPT String Length L (m):	10.0

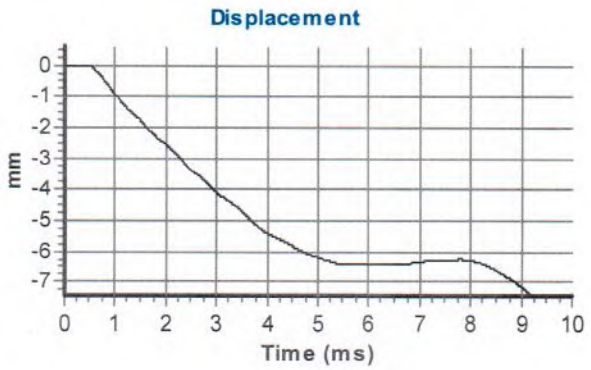
Comments / Location

CAUSEWAY









Calculations

Area of Rod A (mm2):	905
Theoretical Energy E_{theor} (J):	473
Measured Energy E_{meas} (J):	296

Energy Ratio E_r (%): **63**

The recommended calibration interval is 12 months

Signed: N P Burrows

Title: Field Operations Manager

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SPT Hammer Energy Test Report

in accordance with BSEN ISO 22476-3:2005

RECEIVED: 05/08/2026

Neil Burrows
Southern Testing Laboratories
Unit 11
Charlwoods Road
East Grinstead
RH19 2HU

SPT Hammer Ref:	0267
Test Date:	23/02/2019
Report Date:	26/02/2019
File Name:	0267.spt
Test Operator:	NPB

Instrumented Rod Data

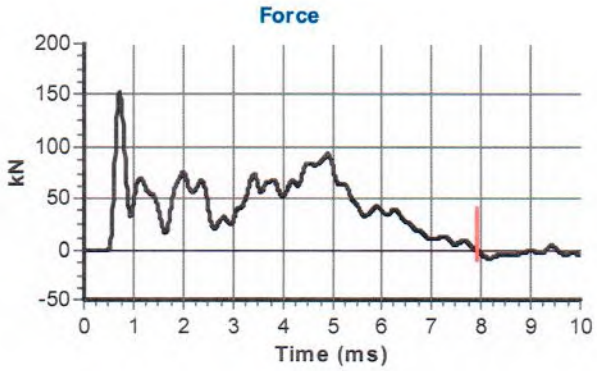
Diameter d_r (mm):	54
Wall Thickness t_r (mm):	6.0
Assumed Modulus E_a (GPa):	200
Accelerometer No.1:	6458
Accelerometer No.2:	9607

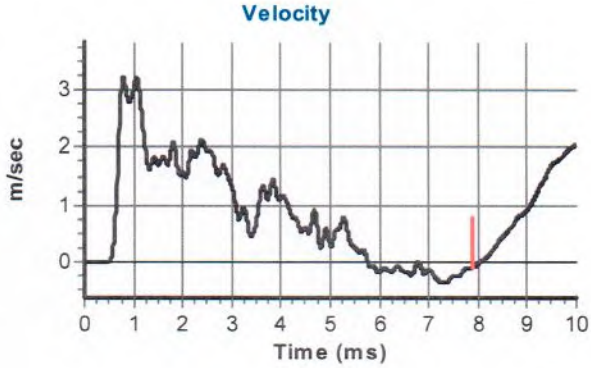
SPT Hammer Information

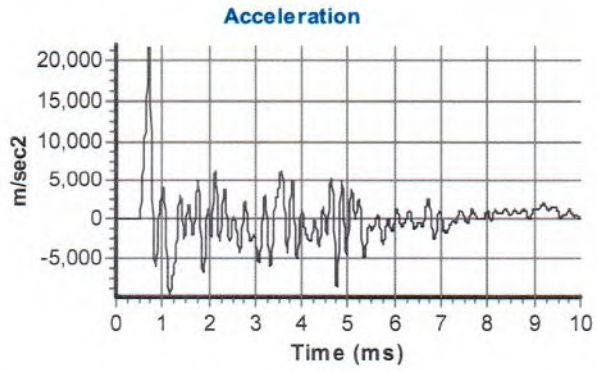
Hammer Mass m (kg):	63.5
Falling Height h (mm):	760
SPT String Length L (m):	10.0

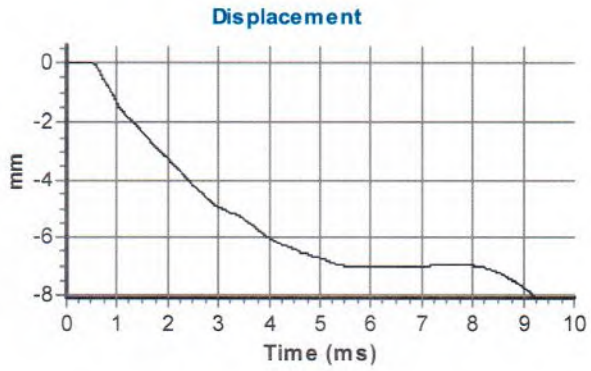
Comments / Location

CAUSEWAY









Calculations

Area of Rod A (mm2):	905
Theoretical Energy E_{theor} (J):	473
Measured Energy E_{meas} (J):	407

Energy Ratio E_r (%): **86**

Signed: N P Burrows

Title: Field Operations Manager

The recommended calibration interval is 12 months

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APPENDIX 3

SITE-SPECIFIC FLOOD RISK ASSESSMENT

TOBIN

RECEIVED: 05/08/2026

Kingston Stables Ltd.

Residential Development at Kingston, Knocknacarra, Co. Galway

Flood Risk Assessment

BUILT ON KNOWLEDGE

Document Control Sheet	
Document Reference	Stage 2 – Flood Risk Assessment
Client:	Kingston Stables Ltd.
Project Reference	11893

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Rev	Description	Author	Date	Reviewer	Date	Approval	Date
A	Draft Issue	FOC	23/03/2026	ST	23/03/2026	AT	24/03/2026
B	Draft Issue	FOC	07/04/2026	ST	07/04/2026	AT	07/04/2026

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HEALTH & SAFETY I.S. ISO 45001:2018 NSAI Certified
QUALITY I.S. EN ISO 9001:2015 NSAI Certified
ACEI ASSOCIATION OF CONSULTING ENGINEERS OF IRELAND
ENGINEERS IRELAND CPD ACCREDITED EMPLOYER

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1. INTRODUCTION

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1.1 PROJECT BACKGROUND

TOBIN were appointed by Kingston Stables Ltd. to undertake a Flood Risk Assessment (FRA) for a proposed residential development at Kingston, Knocknacarra, Co. Galway.

The Planning System and Flood Risk Management (PSFRM) Guidelines categorise types of development into three vulnerability classes based on their sensitivity to flooding. As per Table 2.1 for the classification of vulnerability of different types of development in the PSFRM Guidelines, "residential properties and ESB substations" are categorized as "highly vulnerable" development and as such are considered appropriate in Flood Zone C (Less frequently than the 0.1% AEP event), 'local centres' . are considered appropriate in Flood Zone B (Between the 0.1% and 1% AEP event)

The subject site is bounded to the south of the site by residential properties followed by Kingston Road. Residential properties bound the site to the southwest and north, greenfield to the east and west. The western distributor road is just north of the subject site.

There is one hydraulic feature of particular interest to the subject site. The Knocknacarra culvert flows just north of the subject site. The culvert was installed to redirect a river which historically to flow through the subject site from north to south.

The purpose of this Stage 2 FRA report is to identify, quantify, and communicate the risks of flooding, if any, to the proposed development.

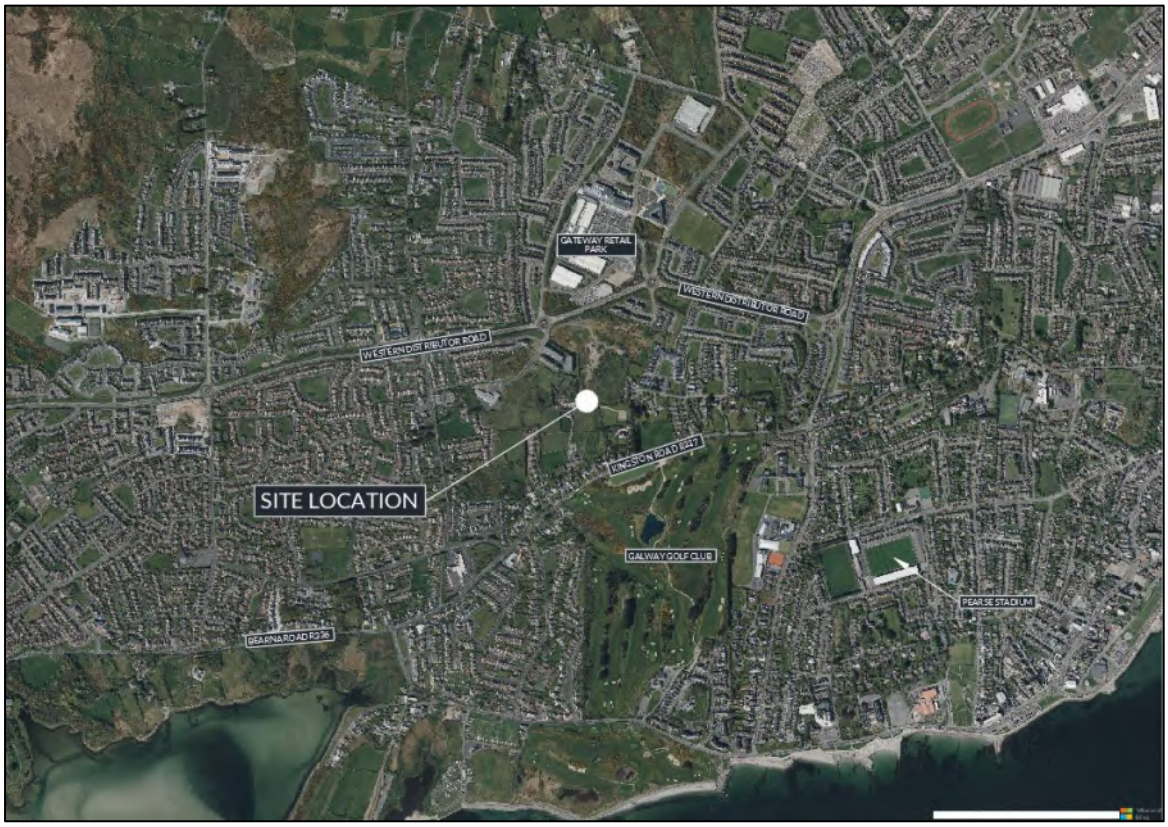


Figure 1-1: Site Location

1.2 Development Description

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TOBIN were appointed by Kingston Stables Ltd. to provide engineering consultancy services for a proposed Large Residential Development (LRD) at Kingston, Knocknacarra, Galway, off the Western Distributor Road in Knocknacarra. The site development description is as follows:

Planning permission is sought by Kingston Stables Limited for development of a Large-Scale Residential Development (LRD) for a 10-year planning permission, on a site which extends to 2.9 ha on lands located at Rahoon, Knocknacarra, Galway.

The proposed development will consist of the following:

1. Provision of 133 no. residential units in 2 no. development areas with a mix of duplex and house types on a site area of 2.9 ha. The buildings range between 2 no. and 3 no. storeys in height. The development will comprise the following:
    - 51 no. 3-bed townhouses;
    - 6 no. 4-bed townhouses;
    - 1 no. 1-bed duplex apartments;
    - 1 no. 2-bed duplex houses;
    - 37 no. 2-bed ground floor duplex apartments;
    - 37 no. 3-bed duplex houses.
2. Demolition of existing structures (409sqm);
3. Vehicular access to the proposed development from a permitted road (Planning Reference 24/60370 refers);
4. Upgrades to the permitted road (Planning Reference 24/60370 refers);
5. Conversion and upgrade of an existing structure to a local centre (65.8 sqm);
6. The provision of public open space;
7. The provision of 192 no. bicycle parking spaces;
8. The provision of 142 no. car parking spaces;
9. Public lighting, bin stores, signage, services, ESB substation, site landscaping and all ancillary site development and enabling works.

An Environmental Impact Assessment (EIAR) and Natura Impact Statement (NIS) will be prepared in respect of the proposed development.

Refer to the drawings that accompany this document for the site layout details.

2. FLOOD RISK MANAGEMENT GUIDANCE

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This Stage 2 Flood Risk Assessment was carried out in accordance with the following flood risk management guidance documents:

- The Planning System and Flood Risk Management Guidelines for Planning Authorities
- Flood Risk Management Climate Change Sectoral Adaptation Plan
- Galway City Development Plan (2023 – 2029)
- Galway City SFRA (2023 - 2029)

2.1 THE PLANNING SYSTEM AND FLOOD RISK MANAGEMENT GUIDELINES

The Planning System and Flood Risk Management Guidelines for Planning Authorities (PSFRM Guidelines) were published in 2009 by the Office of Public Works (OPW) and Department of the Environment, Heritage, and Local Government (DoEHLG). Their aim is to ensure that flood risk is considered in development proposals and the assessment of planning applications.

2.1.1 Flood Zones and Vulnerability Classes

The PSFRM Guidelines discuss flood risk in terms of three flood zones (A, B, and C), which correspond to areas of high, medium, or low probability of flooding, respectively. The extents of each flood zone are based on the Annual Exceedance Probability (AEP) of various flood events.

The PSFRM Guidelines also categorise different types of development into three vulnerability classes based on their sensitivity to flooding. The guidelines classify residential properties and substations as "highly vulnerable" and are therefore considered appropriate in Flood Zone C (less than 0.1% AEP), whereas local centres are classified as "less vulnerable" and are therefore appropriate in Flood Zone B (between 0.1 and 1% AEP).

Table 2.1 shows a decision matrix that indicates which types of development are appropriate in each flood zone and when the Justification Test (see Section 2.1.2) must be satisfied. The annual exceedance probabilities used to define each flood zone are also provided.

Table 2.1: Decision Matrix for Determining the Appropriateness of a Development

Flood Zone: (Probability)	Annual Exceedance Probability (AEP)	Highly Vulnerable	Less Vulnerable	Water Compatible
A (High)	Coastal Flooding: More frequent than 0.5% AEP Fluvial & Pluvial Flooding: More frequent than 1% AEP	Justification Test Required	Justification Test Required	Appropriate
B (Medium)	Coastal Flooding: 0.1% to 0.5% AEP Fluvial & Pluvial Flooding: 0.1% to 1% AEP	Justification Test Required	Appropriate	Appropriate
C (Low)	Fluvial, Pluvial & Coastal Flooding: Less frequent than 0.1% AEP	Appropriate	Appropriate	Appropriate

2.1.2 Justification Test

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Any proposed development being considered in an inappropriate flood zone (as determined by Table 2.1) must satisfy the criteria of the Justification Test outlined in Figure 2-1(taken from the PSFRM Guidelines).

Box 5.1 Justification Test for development management (to be submitted by the applicant)

When considering proposals for development, which may be vulnerable to flooding, and that would generally be inappropriate as set out in Table 3.2, the following criteria must be satisfied:

1. The subject lands have been zoned or otherwise designated for the particular use or form of development in an operative development plan, which has been adopted or varied taking account of these Guidelines.
2. The proposal has been subject to an appropriate flood risk assessment that demonstrates:
   - (i) The development proposed will not increase flood risk elsewhere and, if practicable, will reduce overall flood risk;
   - (ii) The development proposal includes measures to minimise flood risk to people, property, the economy and the environment as far as reasonably possible;
   - (iii) The development proposed includes measures to ensure that residual risks to the area and/or development can be managed to an acceptable level as regards the adequacy of existing flood protection measures or the design, implementation and funding of any future flood risk management measures and provisions for emergency services access; and
   - (iv) The development proposed addresses the above in a manner that is also compatible with the achievement of wider planning objectives in relation to development of good urban design and vibrant and active streetscapes.

The acceptability or otherwise of levels of residual risk should be made with consideration of the type and foreseen use of the development and the local development context.

Note: See section 5.27 in relation to major development on zoned lands where sequential approach has not been applied in the operative development plan.

Refer to section 5.28 in relation to minor and infill developments.

Figure 2-1: Criteria of the Justification Test

2.2 THE FLOOD RISK MANAGEMENT CLIMATE ADAPTION PLAN

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The Flood Risk Management Climate Change Sectoral Adaptation Plan was published in 2019 under the National Adaptation Framework and Climate Action Plan. This plan outlines the OPW's approach to climate change adaptation in terms of flood risk management.

This approach is based on a current understanding of the potential impacts of climate change on flooding and flood risk. Research has shown that climate change is likely to worsen flooding through more extreme rainfall patterns, more severe river flows, and rising mean sea levels.

To account for these changes, the Adaptation Plan presents two future flood risk scenarios to consider when assessing flood risk:

- Mid-Range Future Scenario (MRFS)
- High-End Future Scenario (HEFS)

Table 2.2 indicates the allowances that should be added to estimates of extreme rainfall depths, peak flood flows, and mean sea levels for the future scenarios.

Table 2.2: Climate Change Adaptation Allowances for Future Flood Risk Scenarios

Parameter	Mid-Range Future Scenario (MRFS)	High-End Future Scenario (HEFS)
Extreme Rainfall Depths	+ 20%	+ 30%
Peak River Flood Flows	+ 20%	+ 30%
Mean Sea Level Rise	+ 0.5 m	+ 1 m

For the purpose of this flood risk assessment, the proposed development has been assessed against the Mid-Range Future Scenario as it represents a likely future scenario.

2.3 GALWAY CITY DEVELOPMENT PLAN (2023 – 2029)

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The Current Galway City Development Plan[1] provides a strategic framework for planning and sustainable development in Co. Galway for 2023-2029. The Galway City Development Plan (GCDP) for 2023-2029 was adopted by the Elected Members of Galway City Council at the conclusion of the Special Meeting on 24th November 2022 and it came into effect on the 4th January 2023.

Chapter 9 of the Galway City Development Plan 2023-2029 outlines the City plan for Environment and Infrastructure. Section 9.2 of the Galway City Development Plan discusses Flood Risk Management for the City.

Flood Risk Policies for Galway City are as follows:

1. Support, in co-operation with the OPW, the implementation of EU Flood Risk Directive (2007/60/EC), the Flood Risk Regulations (SI No, 122 of 2010) and the DECLG and OPW Guidelines for Planning Authorities, the Planning System and Flood Risk Assessment Management (2009), updated/superseding legislation or departmental guidelines and have regard to the findings and relevant identified actions of the Corrib Catchment Flood Risk Management (CFRAM) Study.
2. Support and facilitate the implementation of the Coirib go Cósta Galway City Flood Relief Scheme in conjunction with the OPW to support a climate resilient city, protect against flooding and minimise the impact of future climate events. Support in general the associated mitigation and adaptation measures in order to prevent flooding and coastal erosion, subject to appropriate environmental, visual, built heritage and other relevant considerations.
3. Ensure the recommendations of the Strategic Flood Risk Assessment (SFRA) for the Galway City Development Plan 2023-2029 are taken into consideration in the assessment of developments in identified areas of flood risk and require site specific Flood Risk Assessment (FRA) and associated design and construction measures appropriate to the scale and nature of the development and the risks arising, in all areas of identified flood risk including on sites where only small proportion of the site is at risk of flooding and adopt a sequential approach in accordance with the Planning System and Flood Risk Management Guidelines for Planning Authorities (2009).
4. Protect and promote sustainable management and uses of water bodies and watercourses from inappropriate development, including rivers, streams, associated undeveloped riparian strips, wetlands and natural floodplains.
5. Ensure flood risk is incorporated into the preparation of any future local area plans, framework plans and masterplans in the city.
6. Ensure any proposed measure designed to alleviate flooding/coastal erosion is subject to Appropriate Assessment in accordance with Article 6 of the EU Habitats Directive, where appropriate.
7. Continue to protect the coastal area and the foreshore and avoid inappropriate development in areas at risk of coastal erosion and/or would cause and escalate coastal erosion in adjoining areas.

[1] https://www.galwaycity.ie/development-plan-2023-2029

8. Protect and maintain, where feasible, undeveloped riparian zones and natural floodplains along the River Corrib and its tributaries.

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The Galway City Development Plan zones the subject site as "residential" and "Enterprise, Light Industry and Commercial" as seen in Figure 2-2. The development is appropriate with this zoning.

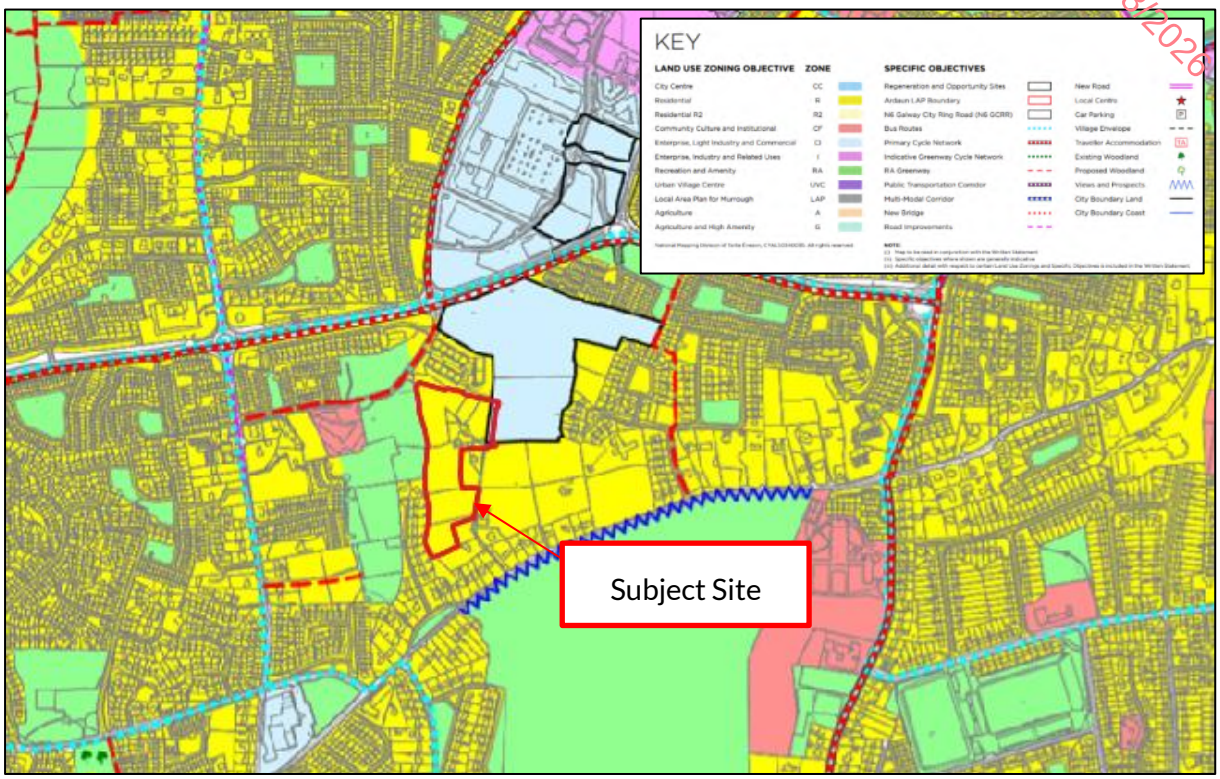


Figure 2-2: Galway City Development Plan Map A - Land Use Zoning

2.4 GALWAY CITY SFRA (2023 – 2029)

RECEIVED: 05/08/2026

The subject site is within the study area of the Galway City Strategic Flood Risk Assessment (2023 – 2029). As seen in Figure 2-3, the subject site is not seen to be in Flood Zone A or B and is therefore located in Flood Zone C.

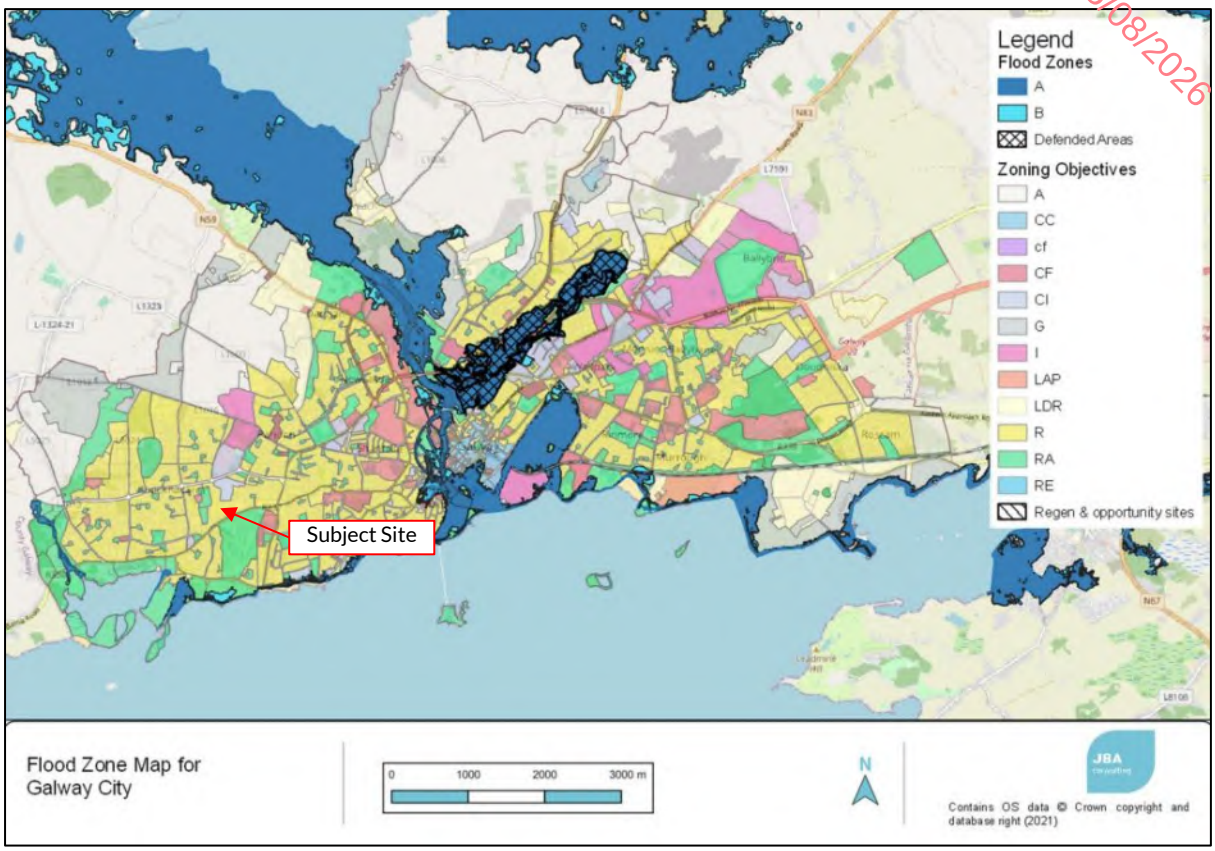


Figure 2-3: Galway City SFRA Flood Zone Mapping

3. INITIAL FLOOD RISK ASSESSMENT

RECEIVED: 05/08/2026

3.1 PAST FLOOD EVENTS

The OPW's National Flood Information Portal[2] provides past flood event mapping with records of flooding reports, meeting minutes, photos, and/or hydrometric data. Based on the flood map shown in Figure 3-1, there are no historical flood events recorded in the vicinity of the subject site. The closest past flood events to the subject site are located approximately 1.95km southeast of the subject site and the flood labelled (ID: 13235) occurred in December 2015. This event is located on the coast and is as a result of coastal flooding. There are multiple other flood events in the vicinity of the above-mentioned flood event, all as a result of coastal flooding. There is no hydraulic link between the subject site and the past flood event

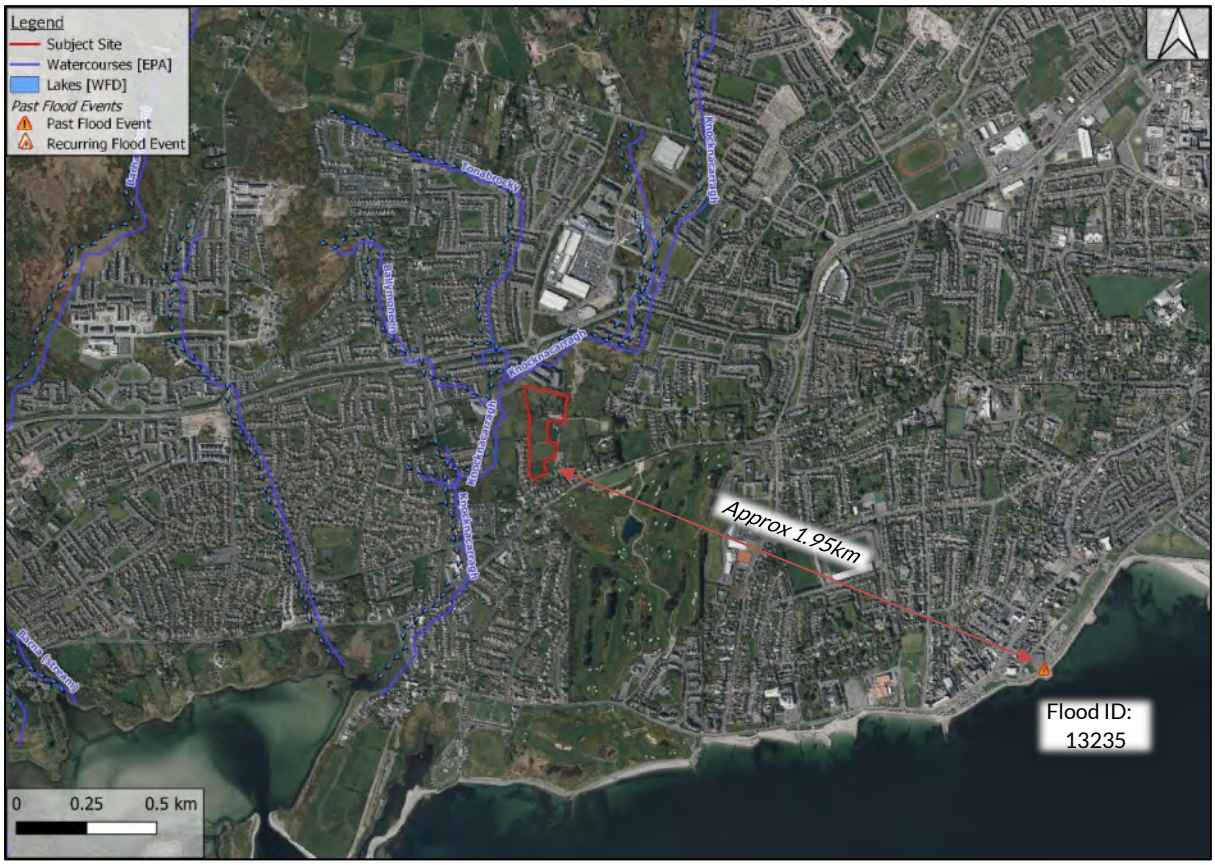


Figure 3-1: Past Flood Events

[2] floodinfo.ie

3.2 OPW Preliminary Flood Risk Assessment (PFRA) Study

RECEIVED: 05/09/2026

In 2009, the OPW produced a series of maps to assist in the development of a broad-scale FRA throughout Ireland. These maps were produced from several sources.

The OPW's National Preliminary Flood Risk Assessment (PFRA) Overview Report from March 2012 noted that *"the flood extents shown on these maps are based on broad-scale simple analysis and may not be accurate for a specific location".*

Figure 3-2 provides an overview of the fluvial, coastal, pluvial, and groundwater indicative flood extents in the vicinity of the subject site.

As per Figure 3-2, the subject site is not predicted to be liable to coastal, fluvial, groundwater, or pluvial flooding during extreme events. The PFRA mapping indicates one area of pluvial flooding located just north of the subject site.

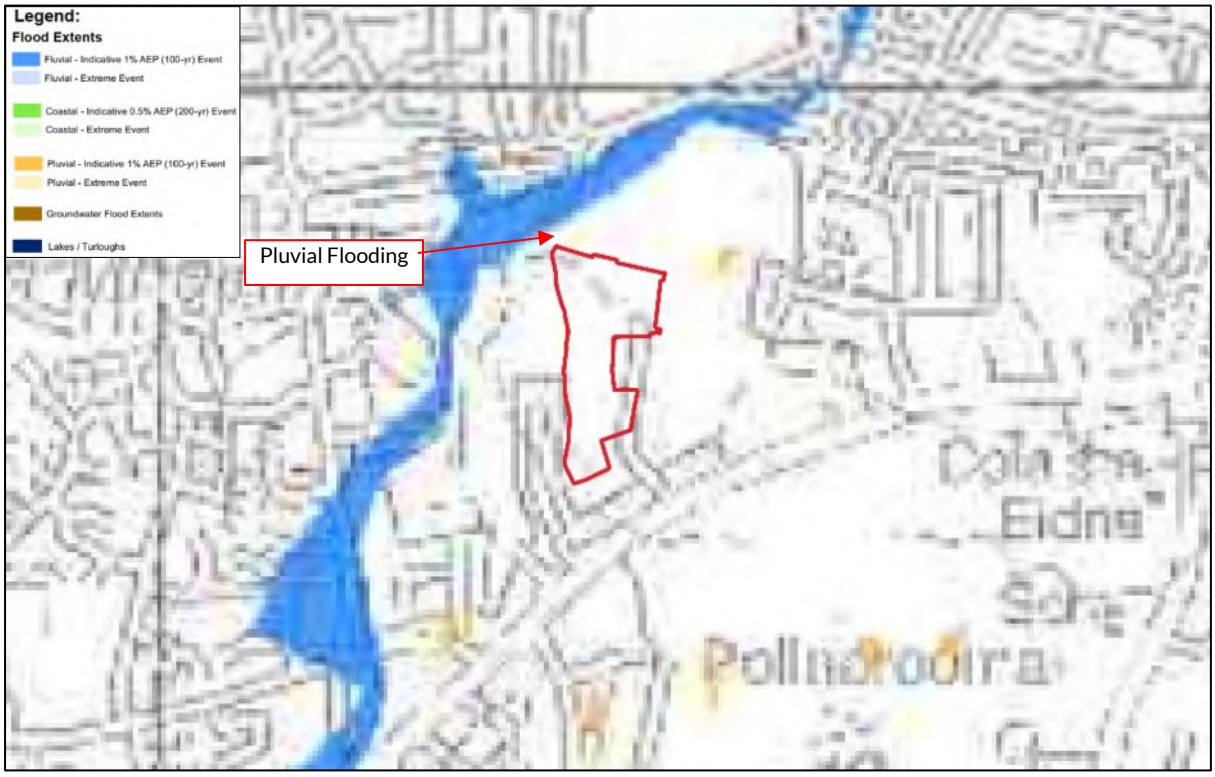


Figure 3-2: Indicative Flood Mapping [extract from PFRA Map 209 & 226]



Figure 3-3: PFRA Fluvial Flood Extents

Figure 3-3 shows that there is a small area of fluvial flooding at the northwestern corner of the subject site.

There are no coastal or groundwater flood extents within the subject site.

Limitations on potential sources of error associated with the PFRA maps include:

- Assumed channel capacity (due to absence of channel survey information)
- Absence of flood defences and other drainage improvements and channel structures (bridges, weirs, culverts)
- Local errors in the national Digital Terrain Model (DTM)

Improved hydraulic modelling was carried out through the Catchment Flood Risk Assessment and Management Study (CFRAM) in 2015 (discussed in Section 3.4) and is considered more accurate than the PFRA study as it utilised surveyed river geometry and was subject to greater model calibration.

3.3 National Coastal Flood Hazard Mapping (NCFHM)

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The National Coastal Flood Hazard Mapping (NCFHM) was completed in 2021. The aim of the project is to produce updated national scale coastal flood extent and depth maps for the 50%, 20%, 10%, 5%, 2%, 1%, 0.5% and 0.1% Annual Exceedance Probabilities (AEPs) for the present day scenario and for the Mid-Range Future Scenario (MRFS), High End Future Scenario (HEFS), High+ End Future Scenario (H+EFS) and High++ End Future Scenario (H++EFS) which represent a 0.5m, 1.0m, 1.5m and 2.0m increase in sea level respectively. The mapping is based on the extreme levels calculated in the Irish Coastal Wave and Water Level Modelling Study (ICWWS).

The Irish Coastal Wave and Water Level Modelling Study (ICWWS) was undertaken in 2018[3]. The study provides an update to the Extreme Coastal Water Levels for the coastal of Ireland. The study provides an update to the water levels presented in the ICPSS undertaken between 2004 and 2013. The Irish Coastal Protection Strategy Study (ICPSS was a national study that was commissioned in 2003 with the objective of providing information to support decision making about how best to manage risks associated with coastal flooding and coastal erosion. [4]

Figure 3-4 and Table 3-1 below outlines the location of and extreme water levels at node W7 which is the closest ICWWS node to the subject site.



Figure 3-4: National Coastal Extreme Water Level Estimation Point W7 Location

[3]Irish Coastal Wave and Water Level Modelling Study(ICWWS)
Microsoft Word - IBE1505_ICWWS_Ph1_Rp01_F02.docx

[4]https://www.gov.ie/ga/foilsiuchan/eed0fb-irish-coastal-protection-strategy-study-icpss/

Table 3-1: ICWWS Modelled Extreme Water Levels

Return Period	Existing Scenario Water Level (mOD)	Mid-Range Future Scenario (MRFS) Water Level (mOD)
1 in 100-Year (1% AEP) Event	3.84	4.34
1 in 200-Year (0.5% AEP) Event	3.94	4.44
1 in 1,000-Year (0.1% AEP) Event	4.18	4.68

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A topographical survey of the north section of the subject site shows minimum ground levels of 25mOD, which provides a freeboard of over 20m between coastal 0.1% AEP Event water level and the proposed development.

3.4 Catchment Flood Risk Assessment and Management Study

In 2015, the OPW produced flood maps as part of the Catchment Flood Risk Assessment and Management (CFRAM) Study. The flood extents in these maps are based on detailed modelling of Areas for Further Assessment identified by the National Preliminary Flood Risk Assessment.[5]. The watercourses in the vicinity of the subject site were not modelled as part of the CFRAM Study.

[5] https://www.floodinfo.ie/about_frm/

3.5 OPW Drainage Districts and Arterial Drainage Schemes

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The OPW Drainage Districts were carried out by the commissioners of Public Works under a number of drainage and navigation acts from 1842 to the 1930s to improve land for agriculture and to mitigate flooding.[6] The local authorities are charged with the responsibility to maintain Drainage Districts.

Benefited lands are areas that were previously subject to poor drainage and/or flooding but that have benefited from the implementation of Arterial Drainage Schemes carried out under the Arterial Drainage Act 1945.

The subject site has not benefited from any arterial drainage scheme and is not located in a Drainage District. The Knocknacarra River is a Land Commission Watercourse as seen in Figure 3-5.



Figure 3-5 Arterial Drainage

[6] www.floodinfo.ie

3.6 GEOLOGICAL SURVEY IRELAND MAPPING

RECEIVED: 05/05/2026

Based on a review of the OPW's Preliminary Flood Risk Assessment (PFRA) mapping (see Figure 3-2) there is no noted risk of groundwater flooding to the subject site.

GSI Groundwater Flooding Probability Maps[7] for the subject site were reviewed. The closest recorded groundwater flood extent is approximately 5.9km northeast of the subject site. There is no hydraulic link between this event and the subject site.



Figure 3-6: GSI Mapping of Groundwater Flooding

The closest surface water flooding is approximately 3.8km Northeast of the site, assumed to be as a result of flooding from the River Corrib and is not expected to have any effect on the sites hydrology.

Geological Survey Ireland (GSI) subsurface mapping of karst features[8] in the area show that there are no karst features located in the vicinity of the subject site (see Figure 3-7). The closest karst feature to the subject site is a swallow located 5.6km Northeast of the subject site.

[7]FloodInfo.ie | National Flood Information Portal, Available at: https://www.floodinfo.ie/map/floodmaps/

[8]GSI Groundwater Data Viewer, Available at: https://dcenr.maps.arcgis.com/apps/webappviewer/index.html?id=7e8a202301594687ab14629a10b748ef

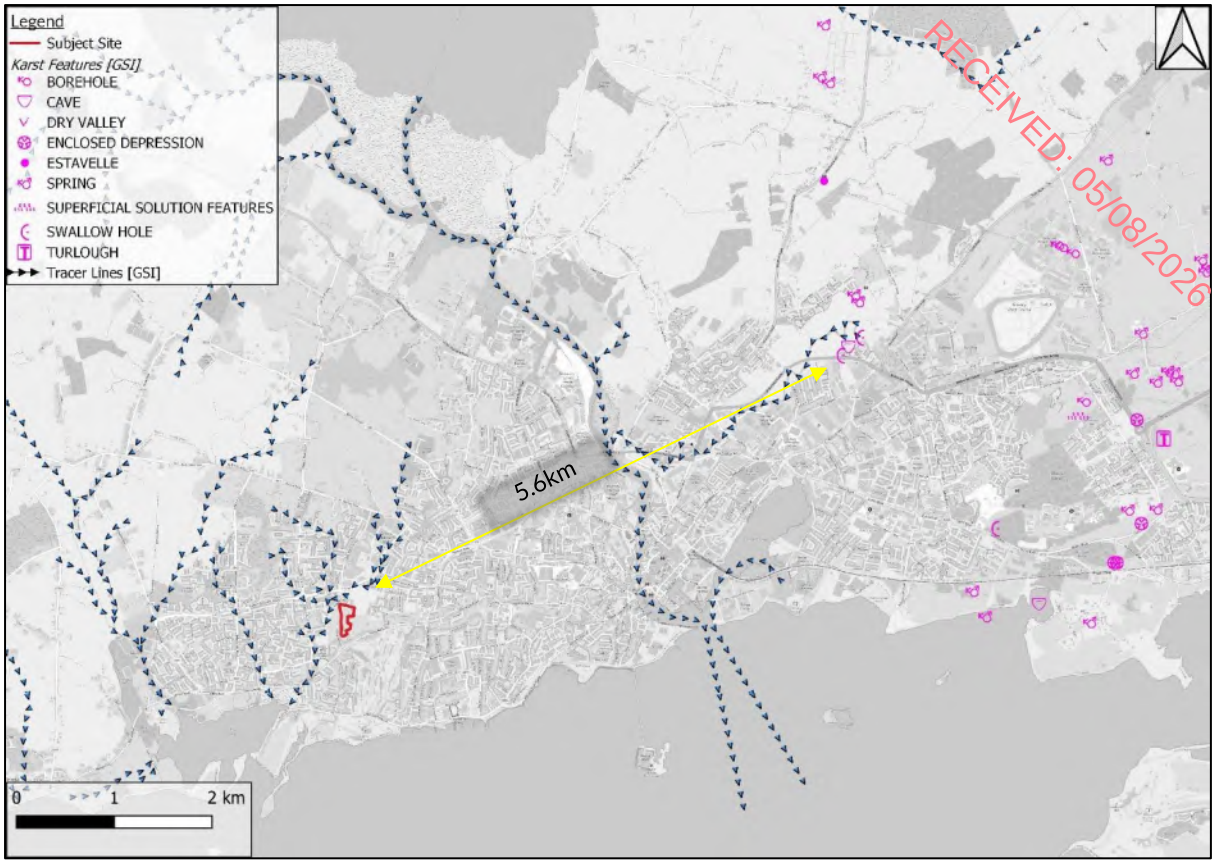


Figure 3-7: GSI Mapping of Karst Features

4. SITE VISIT FINDINGS

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TOBIN conducted a site visit on 11th March 2024 to review site conditions and potential flood risk at the subject site. The area of particular interest for the site visit was the area where, on the mapping, a watercourse is located. Mapping shows the Knocknacarra watercourse flowing north of the subject site before flowing in a southerly direction to the west of the site.



Figure 4-1: View of subject site watercourse location facing northeast

During the site visit, no standing water was observed. No external water sources appeared to enter the site. The area designated as the Knocknacarra watercourse on EPA maps is dry, lacking any visible watercourse. This suggests that the Knocknacarra watercourse has been culverted, rendering the flood extents depicted in the OPW PFRA mapping inaccurate.

To the north of the site, a minor depression exists in the general vicinity of the mapped watercourse. However, this depression is insignificant in the context of the site's overall flat topography. No visible banks or inverts were observed.

A review of Uisce Éireann Stormwater mapping reveals a 1500mm diameter concrete culvert running parallel to the Western Distributor Road to the north and northwest of the site. This culvert likely receives surface water drainage from what was historically the Knocknacarrra watercourse. Consequently, the PFRA mapping's indication of fluvial flooding at the site is inaccurate due to the absence of an open channel at the delineated location. Furthermore, the

culvert lies outside the site boundaries, and the proposed buildings will not impede surface water flow.

Surface water arising within the subject site will be managed by a dedicated stormwater drainage system. The landscaping and topography within the subject site will provide safe exceedance flow paths and prevent surface water ponding to minimise residual risks associated with an extreme flood event or a scenario where the stormwater drainage system becomes blocked.

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Figure 4-2: View of subject site watercourse location facing south east

5. DETALED FLOOD RISK ASSESMENT

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With reference to the PSFRM guidelines, the proposed development is comprised of 'highly vulnerable' (residential properties and substation), and 'less vulnerable' (local centres) elements.

Therefore, residential properties and the ESB substation are considered appropriate in Flood Zone C (less frequently than the 0.1% AEP event), while the local centre is considered appropriate in Flood Zone B (between the 0.1% and 1% AEP event)

5.1 FLUVIAL FLOODING

There is one hydraulic feature seen on the mapping which is of particular interest to the subject site. The Knocknacarra watercourse flows just north of the subject site. From Available PFRA mapping the flood extents noted around the watercourse inundate a small area of the northwest of the site. The Site Visit confirmed that this watercourse has been culverted and therefore, the PFRA mapping is unrealistic.

5.2 COASTAL FLOODING

The subject site is located approximately 1km inland from the sea and therefore it is estimated that the risk of coastal flooding associated with the development is minimal. The Topo survey of the subject site shows minimum ground levels of 19.5mOD, which provides a freeboard of over 15m between coastal 0.1% AEP Event extents and the proposed development.

5.3 PLUVIAL FLOODING

The PFRA indicative mapping indicates that there are no areas of pluvial flooding within the subject site.

Surface water arising on the proposed mixed-use development will be managed by a dedicated stormwater drainage system in accordance with Sustainable Drainage Systems (SuDS) principles, limiting discharge from the site to greenfield runoff rates.

The landscaping and topography of the developed site will provide safe exceedance flow paths and prevent surface water ponding to minimise residual risks associated with an extreme flood event or a scenario where the stormwater drainage system becomes blocked.

Therefore, it is estimated that risk of pluvial flooding associated with the proposed development is minimal.

5.4 GROUNDWATER FLOODING

Based on a review of Geological Survey Ireland (GSI) subsurface mapping of karst features (Figure 3-7), predicted groundwater flooding in the area (Figure 3-6), and the PFRA study (Figure 3-2), there is no evidence to suggest liability to groundwater flooding at the proposed development site.

5.5 THE JUSTIFICATION TEST

The proposed development is appropriately located in Flood Zone C with appropriate drainage measures; therefore, the Justification Test is not required.

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6. CONCLUSIONS

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TOBIN were appointed by Kingston Stables Ltd. to undertake a Flood Risk Assessment (FRA) for a proposed residential development at Kingston, Knocknaccara, Co. Galway.

With reference to the PSFRM guidelines, the proposed development is comprised of 'highly vulnerable' (residential properties and ESB substation) and 'less vulnerable' (local centre) elements.

Fluvial Flooding

Based on a review of the available information, it was estimated that the subject site is not liable to fluvial flooding during any scenario. The Knocknacarra watercourse is the only watercourse in the vicinity of the site and although extents show flooding at the northwestern corner of the subject site, a site visit confirmed that the watercourse is culverted and therefore the PFRA extents are unrealistic

Therefore, the risk of fluvial flooding to the subject site is minimal.

Coastal Flooding

The subject site is not at risk of coastal flooding due to its distance inland from coastal waters.

Pluvial Flooding

The PFRA indicative mapping indicates that there are no pluvial flood extents noted within the subject site.

Surface water arising on the proposed mixed-use development will be managed by a dedicated stormwater drainage system in accordance with Sustainable Drainage Systems (SuDS) principles, limiting discharge from the site to greenfield runoff rates.

The landscaping and topography of the developed site will provide safe exceedance flow paths and prevent surface water ponding to minimise residual risks associated with an extreme flood event or a scenario where the stormwater drainage system becomes blocked.

Therefore, the risk of pluvial flooding to the subject site is minimal.

Groundwater Flooding

There is no evidence to suggest groundwater as a potential source of flood risk to the proposed subject site.

Justification Test

The proposed development is appropriately located in Flood Zone C; therefore, the Justification Test is not required.

Based on the results of this flood risk assessment, it is estimated that the risk of flooding to the proposed residential development will be minimal, and that the development will not increase the risk of flooding elsewhere. "Highly Vulnerable" residential properties and the ESB substation area appropriately located in Flood Zone C and with appropriate drainage design, the risk to the site from pluvial flooding will be minimal.

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Appendix A TOPOGRAPHIC SURVEY

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Altan Apartments

Key

Grove of Mature Trees.

Grove of Mature Trees.

Grove of Mature Trees top canopy=46.1

Monument Cross

Chapelton Road

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APPENDIX 4

EXPLORATORY HOLE RECORD

APPENDIX B – BOREHOLE LOGS

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CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH01
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)
Rotary Percussion	Comacchio 602	0.00	3.90
Rotary Coring	Comacchio 602	3.90	7.70

Coordinates: 526895.44 E, 724927.54 N

Final Depth: 7.70 m | Start Date: 04/06/2025 | Driller: SMCW | Logger: EL | Elevation: 30.11 mOD | End Date: 05/06/2025

Sheet 1 of 2 | Scale: 1:40 | FINAL

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Depth (m)	Samples / Field Records	TCR	SCR	RQD	FI	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description
0.00 - 0.60	B2							29.91	0.20		MADE GROUND: Dark brownish black COBBLES with much gravelly sand. Gravel is subangular fine to coarse. Sand is fine to coarse.
											Soft light brown slightly gravelly sandy CLAY with medium cobble content. Sand is fine to coarse. Gravel is subangular fine to coarse.
0.60 - 1.20	B3							29.51	0.60		Medium dense yellowish brown gravelly fine to coarse SAND with medium cobble content. Gravel is subangular fine to coarse.
1.20 - 2.50	B4					0.00	0.00				
1.20 - 1.29	SPT(S) 50 (25 for 50mm/50 for 40mm) Hammer SN = 1377										
2.50	D1					2.50	0.00				
2.50 - 3.90	B5										
2.50 - 2.95	SPT(S) N=15 (3,6/3,3,7,2) Hammer SN = 1377										
								26.81	3.30		Weathered GRANITE (Driller's description)
								26.21	3.90		Strong (locally medium strong) light greyish pink speckled green and black GRANITE. Slightly weathered: slightly reduced strength, slightly closer fracture spacing and faint orangish brown discolouration on some fracture surfaces. Discontinuities: 1. 10-30 degree joints, closely spaced (50/130/210), planar, smooth, with faint orangish brown staining on some joint surfaces.
		100	70	47	5						
4.90		100	100	91							
6.40		92	92	89	4						
		TCR	SCR	RQD	FI						

Water: Backfill

Water Strikes			
Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Remarks

Inspection pit hand dug to 1.20m.
No noticeable groundwater strikes. Water added during drilling.

Casing Details	
To (m)	Diam (mm)
3.90	200

Core Barrel: SK6L

Flush Type: Polymer

Termination Reason: Terminated on Engineer's instruction.

Last Updated: 05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH01
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)
Rotary Percussion	Comacchio 602	0.00	3.90
Rotary Coring	Comacchio 602	3.90	7.70

Coordinates: 526895.44 E, 724927.54 N

Final Depth: 7.70 m | Start Date: 04/06/2025 | Driller: SMCW | Logger: EL | Elevation: 30.11 mOD | End Date: 05/06/2025

Sheet 2 of 2 | Scale: 1:40 | FINAL

RECEIVED: 05/08/2025

Depth (m)	Samples / Field Records	TCR	SCR	RQD	FI	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
7.70								22.41	7.70		End of Borehole at 7.70m		

Water Strikes			
Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Remarks

Inspection pit hand dug to 1.20m.
No noticeable groundwater strikes. Water added during drilling.

Casing Details	
To (m)	Diam (mm)
3.90	200

Core Barrel: SK6L

Flush Type: Polymer

Termination Reason: Terminated on Engineer's instruction.

Last Updated: 05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH02
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	3.80	526885.89 E 724935.94 N

Final Depth:	3.80 m	**Start Date:** 28/05/2025	**Driller:** BM	Sheet 1 of 1
				Scale: 1:40
Elevation:	28.59 mOD	**End Date:** 29/05/2025	**Logger:** SMC	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description
0.30 - 0.50	B1				28.29	0.30		MADE GROUND: Soft brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.
0.50	D4							Brownish grey COBBLES with some sandy gravelly clay. Sand is fine to coarse. Gravel is subangular fine to coarse.
0.50	ES3							
0.80 - 1.00	B2							
1.20 - 1.65	D5							
1.20 - 1.65	SPT (C)	N=8 (3,2/2,2,2,2) Hammer SN = 1532	1.20	Dry	27.09	1.50		Medium dense becoming dense greyish brown very sandy silty subangular fine to coarse GRAVEL with low cobble content. Sand is fine to coarse. (Possible weathered bedrock)
1.80 - 2.00	B6							
2.00 - 2.45	D7							
2.00 - 2.45	SPT (C)	N=10 (2,2/3,2,2,3) Hammer SN = 1532	2.00	Dry				
2.80 - 3.00	B9							
3.00 - 3.45	D8							
3.00 - 3.45	SPT (S)	N=43 (10,12/9,12,11,11) Hammer SN = 1532	1.50	Dry				
3.70		28-05-2025	3.00	0.00				
3.80 - 4.00	SPT (C)	50 (25 for 75mm/50 for 125mm) Hammer SN = 1532	3.80	Dry	24.79	3.80		End of Borehole at 3.80m

Water | Backfill

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.00	1.60	01:00
3.50	3.80	01:00

Casing Details

To (m)	Diameter
3.00	200

Water Added

From (m)	To (m)

Remarks

Inspection pit hand dug to 1.20m.

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH03
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	3.00	526813.22 E 724860.19 N

Final Depth:	Start Date:	Driller:	Sheet 1 of 1
3.00 m	29/05/2025	BM	Scale: 1:40
Elevation: 24.05 mOD	**End Date:** 29/05/2025	**Logger:** SMC	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description
0.30 - 0.50	B1							MADE GROUND: Soft becoming firm brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.
0.50	D5							
0.50	ES3							
0.80 - 1.00	B2							
1.00	ES4							
1.20 - 1.65	D6							
1.20 - 1.65	SPT (S)	N=6 (1,1/2,1,1,2) Hammer SN = 1532	1.20	Dry				
					22.45	1.60		Soft greyish brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.
1.80 - 2.00	B7							
2.00 - 2.45	D10							
2.00 - 2.45	SPT (C)	N=5 (0,1/1,1,1,2) Hammer SN = 1532	2.00	Dry				
2.50 - 2.70	B8							
					21.45	2.60		
2.70 - 2.90	B9							[Recovered through chiselling as] Dense grey angular fine to coarse GRAVEL. (Possible weathered bedrock.)
2.90 - 3.00	D11							
2.90 - 3.20	SPT (C)	50 (8,17/50 for 150mm) Hammer SN = 1532	2.90	1.80	21.05	3.00		End of Borehole at 3.00m

Water | Backfill

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
3.00	200

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
2.70	2.90	01:00

Remarks

Inspection pit hand dug to 1.20m.

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH04
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	1.70	526767.60 E 724856.09 N

Final Depth:	1.70 m	**Start Date:** 01/06/2025	**Driller:** CB	Sheet 1 of 1
Elevation:	24.98 mOD	**End Date:** 01/06/2025	**Logger:** SMC	Scale: 1:40
				FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.00 - 1.20	B5							MADE GROUND: Light greyish brown COBBLES with much sandy gravel. Sand is fine to coarse. Gravel is subangular fine to coarse.		
					24.68	0.30				
0.50	ES1							Soft dark brownish sandy gravelly SILT with high cobble content and medium boulder content. Gravel is subangular fine to coarse.		
1.00	D2									
1.00	ES3									
1.20 - 1.70	B6									
1.20 - 1.27	SPT (S)	50 (25 for 60mm/50 for 12mm) Hammer SN = 1532	0.00	Dry						
					23.38	1.60		[Recovered through chiselling as] Dense grey angular fine to coarse GRAVEL. (Possible weathered bedrock.)		
1.70	D4				23.28	1.70		End of Borehole at 1.70m		

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
1.70	200

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.20	1.70	02:00

Remarks

Inspection pit hand dug to 1.20m.

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH05
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	1.30	1.50	526729.31 E 724850.12 N

Final Depth:	1.50 m	Start Date:	01/06/2025	Driller:	CB
Elevation:	26.38 mOD	End Date:	01/06/2025	Logger:	SMC

Sheet 1 of 1
Scale: 1:40
FINAL

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Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.00 - 1.20	B4							MADE GROUND: Brownish grey COBBLES with many boulders and much sandy clayey gravel. Sand is fine to coarse. Gravel is subangular fine to coarse.		
0.50	ES1									
1.00	D3									
1.00	ES2									
1.20 - 1.50	B5									
1.20 - 1.36	SPT (S)	50 (2,5/50 for 14mm) Hammer SN = 1532	0.00	Dry	24.88	1.50		End of Borehole at 1.50m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
1.50	200

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.40	1.50	01:00

Remarks

Inspection pit hand dug to 1.20m.

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH06
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	3.00	526698.02 E 724811.76 N

Final Depth:	Start Date:	Driller:	Sheet 1 of 1
3.00 m	01/06/2025	CB	Scale: 1:40
Elevation: 26.19 mOD	**End Date:** 02/06/2025	**Logger:** SMC	FINAL

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Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description
0.00 - 1.20	B3							MADE GROUND: Dark brownish grey COBBLES with some boulders and a little clayey sandy gravel. Sand is fine to coarse. Gravel is subangular fine to coarse.
0.50	ES1							
1.00	D4							
1.00	ES2							
1.20 - 1.30	SPT (C)	50 (25 for 36mm/50 for 63mm) Hammer SN = 1532	1.20	Dry	24.99	1.20		POSSIBLE MADE GROUND: Brownish grey COBBLES with many boulders and a little sandy gravel. Sand is fine to coarse. Gravel is angular fine to coarse.
2.00 - 2.45	SPT (C)	N=37 (6,8/9,9,11,8) Hammer SN = 1532	2.00	Dry				
3.00 - 3.03	SPT (C)	50 (25 for 11mm/50 for 21mm) Hammer SN = 1532	3.00	Dry	23.19	3.00		End of Borehole at 3.00m

Water

Backfill

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
2.80	200

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
2.80	3.00	01:00

Remarks

Inspection pit hand dug to 1.20m.

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH07
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	2.80	526730.58 E 724758.31 N

Final Depth:	Start Date:	Driller:	Sheet 1 of 1
2.80 m	01/06/2025	RA	Scale: 1:40
Elevation: 23.41 mOD	**End Date:** 01/06/2025	**Logger:** MFG	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description
0.00 - 1.20	B4							Spongy dark brown pseudofibrous PEAT.
0.50	ES1							
1.00	D3							
1.00	ES2							
1.20 - 1.65	SPT (S)	N=3 (1,0/0,1,1,1) Hammer SN = 1529	1.20	Dry				
1.70	D5				21.71	1.70		Dense sandy slightly silty subangular fine to coarse GRAVEL with high cobble content. Sand is fine to coarse.
2.00 - 2.80	B6							
2.00 - 2.45	SPT (C)	N=41 (5,7/8,10,11,12) Hammer SN = 1529		2.00				
					20.81	2.60		[Recovered through chiselling as] Dense grey angular fine to coarse GRAVEL. (Possible weathered bedrock.)
2.80 - 2.86	SPT (C)	50 (25 for 30mm/50 for 35mm) Hammer SN = 1529	2.80	2.00	20.61	2.80		End of Borehole at 2.80m

Water | Backfill

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
2.80	200

Water Added

From (m)	To (m)
1.70	2.80

Chiselling Details

From (m)	To (m)	Time (hh:mm)
2.60	2.80	01:00

Remarks

Inspection pit excavated to 1.20m.

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH08
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	1.70	526660.32 E 724712.09 N

Final Depth:	1.70 m	Start Date:	28/05/2025	Driller:	RA	Sheet 1 of 1 Scale: 1:40
Elevation:	24.78 mOD	End Date:	28/05/2025	Logger:	MFG	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.00 - 1.00	B3							Soft dark brown slightly sandy gravelly silty CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.		
0.50	ES1									
1.00	D4				23.78	1.00		[Recovered through chiselling as] Very dense grey sandy angular fine to coarse GRAVEL. Sand is fine to coarse. (Possible weathered bedrock.)		
1.00	ES2									
1.20 - 1.60	B5									
1.20 - 1.54	SPT (S)	50 (7,9/50 for 185mm) Hammer SN = 1529	1.20	0.60						
1.70 - 1.82	SPT (C)	50 (25 for 60mm/50 for 65mm) Hammer SN = 1529	1.70	0.50	23.08	1.70		End of Borehole at 1.70m		

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
1.70	200

Water Added

From (m)	To (m)
1.20	1.60

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.60	1.70	01:30

Remarks

Inspection pit hand dug to 1.20m

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH09
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	1.60	526629.48 E 724730.31 N

Final Depth:	Start Date:	Driller:	Sheet 1 of 1
1.60 m	28/05/2025	KP	Scale: 1:40
Elevation: 25.45 mOD	**End Date:** 28/05/2025	**Logger:** MFG	FINAL

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Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description
0.00 - 1.20	B3							Soft brown slightly gravelly sandy CLAY with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.
0.50	ES1							
1.00	D4							
1.00	ES2							
1.20 - 1.60	B5				24.25	1.20		Dense brownish grey sandy subangular fine GRAVEL. Sand is fine to coarse.
1.20 - 1.54	SPT (S)	50 (7,10/50 for 190mm) Hammer SN = 1529	1.20	Dry	24.05	1.40		[Recovered through chiselling as] Very dense grey angular fine to coarse GRAVEL with high cobble content. Cobbles are subangular. (Possible weathered bedrock.)
1.60 - 1.62	SPT (S)	50 (25 for 5mm/50 for 10mm) Hammer SN = 1529	1.60	Dry	23.85	1.60		End of Borehole at 1.60m

Water | Backfill

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
1.40	200

Water Added

From (m)	To (m)
1.20	1.60

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.40	1.60	01:00

Remarks

Inspection pit hand dug to 1.20m

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH10
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	1.40	526607.54 E 724756.73 N

Final Depth:	1.40 m	Start Date:	27/05/2025	Driller:	KP	Sheet 1 of 1 Scale: 1:40
Elevation:	26.69 mOD	End Date:	27/05/2025	Logger:	MFG	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.00 - 0.30	B3							TOPSOIL		
0.30 - 1.10	B5				26.39	0.30		MADE GROUND: Soft brown sandy gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.		
0.50	ES1									
1.00	D4									
1.00	ES2				25.59	1.10				
1.20 - 1.40	B6							[Recovered through chiselling as] Dense grey angular fine to coarse GRAVEL with low cobble and boulder content. Cobbles and boulders are subangular. (Possible weathered bedrock.)		
1.20 - 1.30	SPT (C)	50 (25 for 50mm/50 for 55mm) Hammer SN = 1529	1.20	Dry	25.29	1.40		End of Borehole at 1.40m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.20	1.40	01:00

Casing Details

To (m)	Diameter
1.40	200

Water Added

From (m)	To (m)

Remarks

Inspection pit hand dug to 1.20m

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH11
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	1.40	526536.50 E 724780.06 N

Final Depth:	1.40 m	**Start Date:** 27/05/2025	**Driller:** KP	Sheet 1 of 1
				Scale: 1:40
Elevation:	22.60 mOD	**End Date:** 27/05/2025	**Logger:** MFG	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.00 - 0.20	B1							TOPSOIL		
0.20 - 1.20	B2				22.40	0.20		Possible MADE GROUND: Soft grey slightly sandy gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.		
0.50	ES1									
1.00	D3									
1.00	ES2									
1.20 - 1.40	B4				21.40	1.20				
1.20 - 1.58	SPT (C)	50 (4,9/50 for 235mm) Hammer SN = 1529	1.20	Dry	21.20	1.40		[Recovered through chiselling as] Dense grey sandy slightly silty angular fine to coarse GRAVEL with high cobble and boulder content. (Sand is fine to coarse. Possible weathered bedrock.)		
1.40 - 1.49	SPT (C)	50 (25 for 40mm/50 for 50mm) Hammer SN = 1529	1.40	Dry				End of Borehole at 1.40m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
1.40	200

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.20	1.40	01:00

Remarks

Inspection pit hand dug to 1.20m

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH12
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	1.30	526534.83 E 724739.83 N

Final Depth:	1.30 m	Start Date:	31/05/2025	Driller:	RA	Sheet 1 of 1
						Scale: 1:40
Elevation:	22.50 mOD	End Date:	31/05/2025	Logger:	MFG	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.00 - 1.30	B2							Possible MADE GROUND: Soft brown gravelly sandy CLAY with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.		
0.50	ES1									
1.20 - 1.30	SPT (C)	50 (25 for 40mm/50 for 55mm) Hammer SN = 1529	1.20	Dry	21.30 21.20	1.20 1.30		[Recovered through chiselling as] Dense grey angular fine to coarse GRAVEL with medium cobble content. Cobbles are subangular. (Possible weathered bedrock.)		
								End of Borehole at 1.30m		

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
1.30	200

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.20	1.30	01:00

Remarks

Inspection pit hand dug to 1.20m

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH13
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	1.40	526557.33 E 724699.98 N

Final Depth:	1.40 m	Start Date:	31/05/2025	Driller:	CB	Sheet 1 of 1 Scale: 1:40
Elevation:	24.49 mOD	End Date:	31/05/2025	Logger:	SMC	FINAL

RECEIVED: 05/08/2025

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.00 - 1.20	B1							Brownish grey COBBLES with many boulders and much sandy gravel. Sand is fine to coarse. Gravel is subangular fine to coarse.		
0.50	ES2									
1.20 - 1.23	SPT (S)	50 (25 for 11mm/50 for 23mm) Hammer SN = 1532	0.00	Dry						
					23.09	1.40		End of Borehole at 1.40m		

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
1.40	200

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.20	1.20	01:00

Remarks

Inspection pit hand dug to 1.20m.

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH14
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	1.20	526534.36 E 724599.36 N

Final Depth:	1.20 m	**Start Date:**	30/05/2025	**Driller:**	KP
Elevation:	21.14 mOD	**End Date:**	30/05/2025	**Logger:**	MFG

Sheet 1 of 1
Scale: 1:40
FINAL

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Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.00 - 0.30	B3							TOPSOIL		
0.30 - 1.00	B4				20.84	0.30		MADE GROUND: Soft brown sandy gravelly SILT. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.		
0.50	ES1									
1.00	D6									
1.00	ES2				20.04	1.10		[Recovered through chiselling as] dense angular fine to coarse GRAVEL. (Possible weathered bedrock)		
1.20 - 1.54	SPT (C)	50 (3,6/50 for 195mm) Hammer SN = 1529		Dry	19.94	1.20		End of Borehole at 1.20m		

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
1.20	200

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.10	1.20	01:00

Remarks

Inspection pit hand dug to 1.20m

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH15
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	1.50	526580.10 E 724620.71 N

Final Depth:	1.50 m	Start Date:	30/05/2025	Driller:	CB
Elevation:	23.66 mOD	End Date:	30/05/2025	Logger:	SMC

Sheet 1 of 1
Scale: 1:40
FINAL

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Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description
0.20 - 1.20	B1				23.46	0.20		TOPSOIL with very fine roots (<0.5mm).
0.50	ES2				23.16	0.50		MADE GROUND: PAVING COBBLES
1.00	D3							Firm to stiff light brownish grey slightly gravelly sandy SILT with high cobble and medium boulder content. Sand is fine to coarse. Gravel is subangular fine to coarse.
1.20 - 1.25	SPT (C)	50 (25 for 13mm/50 for 34mm) Hammer SN = 1532	0.00	Dry				
1.50	D4				22.26	1.40		[Recovered through chiselling as] Dense grey angular fine to coarse GRAVEL. (Possible weathered bedrock.)
1.50 - 1.50	SPT (C)	50 (25 for 0mm/50 for 0mm) Hammer SN = 1532	1.50	1.00	22.16	1.50		End of Borehole at 1.50m

Water | Backfill

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
1.50	200

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.40	1.50	01:00

Remarks

Inspection pit hand dug to 1.20m.

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH16
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	1.40	526661.28 E 724664.02 N

Final Depth:	1.40 m	Start Date:	31/05/2025	Driller:	CB	Sheet 1 of 1 Scale: 1:40
Elevation:	26.75 mOD	End Date:	01/06/2025	Logger:	SMC	FINAL

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Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.20 - 1.20	B2							MADE GROUND: Grey COBBLES with much sandy clayey gravel. Sand is fine to coarse. Gravel is subangular fine to coarse.		
0.50	ES1				26.25	0.50		Firm grey slightly sandy gravelly CLAY with medium cobble content. Sand is fine to coarse. Gravel is subangular fine to coarse.		
1.00	D3									
1.20 - 1.22	SPT (S)	50 (25 for 6mm/50 for 10mm) Hammer SN = 1532	1.20	Dry	25.55	1.20		[Recovered through chiselling as] Dense grey angular fine to coarse GRAVEL. (Possible weathered bedrock.)		
					25.35	1.40		End of Borehole at 1.40m		

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
1.40	200

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.20	1.40	01:00

Remarks

Inspection pit hand dug to 1.20m.

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH17
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	1.40	526746.88 E 724677.95 N

Final Depth:	1.40 m	Start Date:	01/06/2025	Driller:	RA	Sheet 1 of 1
Elevation:	28.59 mOD	End Date:	01/06/2025	Logger:	MFG	Scale: 1:40
						FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.00 - 1.20	B4							MADE GROUND: Soft brown slightly sandy gravelly CLAY with high cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.		
0.50	ES1									
1.00	D3									
1.00	ES2									
1.20 - 1.30	SPT (C)	50 (25 for 30mm/50 for 75mm) Hammer SN = 1529	1.20	Dry	27.39	1.20		[Recovered through chiselling as] Dense grey angular fine to coarse GRAVEL. (Possible weathered bedrock.)		
1.40 - 1.45	SPT (C)	50 (25 for 20mm/50 for 30mm) Hammer SN = 1529	1.40	Dry	27.19	1.40		End of Borehole at 1.40m		

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
1.40	200

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.20	1.40	01:00

Remarks

Inspection pit hand dug to 1.20m

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH18
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	3.00	526755.39 E 724641.40 N

Final Depth:	3.00 m	**Start Date:** 01/06/2025	**Driller:** KP	Sheet 1 of 1
				Scale: 1:40
Elevation:	27.52 mOD	**End Date:** 01/06/2025	**Logger:** MFG	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description
0.00 - 0.30	B1							TOPSOIL
0.30 - 1.20	B2				27.22	0.30		MADE GROUND: Soft brown slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.
1.00	D3							
1.20 - 1.65	SPT (C)	N=34 (7,7/8,9,8,9) Hammer SN = 1529	1.20	1.20	26.32	1.20		Dense light brown very sandy silty subangular fine to coarse GRAVEL. Sand is fine to coarse.
1.65 - 2.00	B4							
2.00	D5							
2.00 - 2.45	SPT (C)	N=36 (9,9/10,8,9,9) Hammer SN = 1529	2.00	2.00				
2.65 - 3.00	B6							
3.00	D7				24.57	2.95		
3.00 - 3.11	SPT (C)	50 (25 for 50mm/50 for 60mm) Hammer SN = 1529	3.00	3.00	24.52	3.00		[Recovered through chiselling as] Dense grey angular fine to coarse GRAVEL. (Possible weathered bedrock.)
								End of Borehole at 3.00m

Water

Backfill

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
2.95	3.00	01:00

Remarks

Inspection pit hand dug to 1.20m

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH19
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)
Rotary Percussion	Comacchio 602	0.00	2.30
Rotary Coring	Comacchio 602	2.30	6.30

Coordinates: 526794.21 E, 724630.37 N

Final Depth: 6.30 m | Start Date: 03/06/2025 | Driller: SMCW | Logger: ER | Elevation: 30.00 mOD | End Date: 03/06/2025

Sheet 1 of 1 | Scale: 1:40 | FINAL

RECEIVED: 05/08/2025

Depth (m)	Samples / Field Records	TCR	SCR	RQD	FI	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description
0.70 - 2.30	B1							29.30	0.70		MADE GROUND: Soft dark greyish brown slightly gravelly sandy organic CLAY with very fine roots (<0.5mm) and low cobble content. Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. Cobbles are of granite. (Probably reworked topsoil.)
											Weathered GRANITE (Driller's description).
								27.70	2.30		Very strong (locally strong) dark grey pink speckled GRANITE. Slightly weathered: slightly reduced strength dark brown discolouration on joint surfaces. Discontinuities: 1. 0-20 degree joints, closely spaced (60/100/150), planar, smooth, with patchy dark brown staining on some joint surfaces. 2. 25 to 45 degree joints, closely spaced (140/185/230), planar, smooth. 3. 80 degree joints at 4.30m to 4.80m and 5.70m to 6.10m, planar, smooth.
3.30		100	68	50	6						
		100	81	77							
4.80		90	88	83	2						
6.30								23.70	6.30		End of Borehole at 6.30m
		TCR	SCR	RQD	FI						

Water: Struck at (m) | Casing to (m) | Time (min) | Rose to (m)

Backfill: 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0

Remarks

Inspection pit hand dug to 0.70m onto rock.
No groundwater encountered.

Casing Details

To (m)	Diam (mm)
2.30	200

Core Barrel: SK6L

Flush Type: Polymer

Termination Reason: Terminated on Engineer's instruction.

Last Updated: 05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH19A
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Hand Digging	Hand Tools	0.00	0.60	526782.85 E 724623.69 N

Final Depth:	Start Date:	Driller:	Sheet 1 of 1
0.60 m	03/06/2025	SMcW	Scale: 1:40
Elevation: 29.67 mOD	**End Date:** 03/06/2025	**Logger:**	FINAL

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Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.00 - 0.60	B1				29.07	0.60		MADE GROUND: Soft dark greyish slightly sandy slightly gravelly organic CLAY with with coarse roots (>5mm) and low cobble content. Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. Cobbles are of granite. (Reworked topsoil).		
								End of Borehole at 0.60m		

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diam (mm)

Water Added

From (m)	To (m)

Remarks

Inspection pit hand dug to 0.60m for shallow install.

Core Barrel	Flush Type	Termination Reason	Last Updated
		Terminated at refusal on boulder / possible bedrock.	05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH20
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	0.60	526800.32 E 724630.35 N

Final Depth:	0.60 m	**Start Date:**	28/05/2025	**Driller:**	BM
Elevation:	30.03 mOD	**End Date:**	28/05/2025	**Logger:**	SMC

Sheet 1 of 1
Scale: 1:40
FINAL

RECEIVED: 05/08/2025

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
					29.83	0.20		TOPSOIL		
0.30 - 0.50	B1							Grey BOULDERS of granite. (Possibly weathered bedrock.)		
0.50	D3									
0.50	ES2				29.43	0.60		End of Borehole at 0.60m		

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)

Remarks

Inspection pit hand dug to 1.20m.

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH23
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	3.00	526598.10 E 724554.43 N

Final Depth:	Start Date:	Driller:	Sheet 1 of 1
3.00 m	29/05/2025	KP	Scale: 1:40
Elevation: 25.00 mOD	**End Date:** 30/05/2025	**Logger:** MFG	FINAL

RECEIVED: 05/08/2025

Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.00 - 0.50	B3							MADE GROUND: Soft brown slightly sandy slightly gravelly organic CLAY. Sand is fine to coarse. Gravel is subangular fine to coarse of various lithologies, predominantly granite.		
0.50	ES1				24.50	0.50				
0.50 - 1.20	B4							MADE GROUND: Soft to firm brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.		
1.00	D5									
1.00	ES2									
1.20 - 1.65	SPT (S)	N=19 (7,4/5,5,5,4) Hammer SN = 1529	1.20	Dry	23.80	1.20		Medium dense brownish grey sandy slightly silty angular fine to coarse GRAVEL with medium cobble content. Sand is fine to coarse.		
1.65 - 2.00	B6									
2.00	D7									
2.00 - 2.45	SPT (S)	N=33 (7,8/8,7,9,9) Hammer SN = 1529	2.00	Dry						
					22.70	2.30				
2.45 - 3.00	B8							Dense grey angular slightly sandy fine to coarse GRAVEL with high cobble content. Sand is fine to coarse. (Possible weathered bedrock.)		
3.00 - 3.17	SPT (S)	50 (25 for 40mm/50 for 130mm) Hammer SN = 1529	3.00	Dry	22.00	3.00		End of Borehole at 3.00m		

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter

Water Added

From (m)	To (m)

Chiselling Details

From (m)	To (m)	Time (hh:mm)
2.90	3.00	01:00

Remarks

Inspection pit excavated to 1.20m

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH24
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	1.40	526590.92 E 724518.37 N

Final Depth:	1.40 m	Start Date:	29/05/2025	Driller:	KP	Sheet 1 of 1 Scale: 1:40
Elevation:	23.42 mOD	End Date:	29/05/2025	Logger:	MFG	FINAL

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Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
0.00 - 0.50	B3							MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil).		
0.50	ES1				22.92	0.50		MADE GROUND: Soft light brown sandy gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.		
0.50 - 1.20	B4									
1.00	D5									
1.00	ES2									
1.20 - 1.31	SPT (S)	50 (25 for 50mm/50 for 60mm) Hammer SN = 1529	1.20		22.22	1.20		[Recovered through chiselling as] Dense grey angular fine to coarse GRAVEL with high cobble content. Cobbles are subangular. (Possible weathered bedrock.)		
					22.02	1.40		End of Borehole at 1.40m		

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
1.20	200

Water Added

From (m)	To (m)
1.23	1.40

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.20	1.40	01:00

Remarks

Inspection pit hand dug to 1.20m

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH25
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Hand Digging	Hand Tools	0.00	0.60	526562.15 E 724494.83 N

Final Depth:	0.60 m	Start Date:	05/06/2025	Driller:	SMcW	Sheet 1 of 1
Elevation:	mOD	End Date:	05/06/2025	Logger:	OR	Scale: 1:40
						FINAL

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Depth (m)	Samples / Field Records	TCR	SCR	RQD	FI	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description	Water	Backfill
									0.20		TOPSOIL		
0.50	B1								0.55		Soft dark greyish brown slightly sandy gravelly CLAY with high cobble content. Sand is fine to coarse. Gravel is subangular fine to coarse of granite. Cobbles are of granite.		
									0.60		Grey COBBLES and BOULDERS of granite. End of Borehole at 0.60m		

TCR	SCR	RQD	FI

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diam (mm)

Core Barrel

Flush Type

Remarks

Inspection pit hand dug to refusal at 0.60m. Borehole location was moved.

Termination Reason

Terminated at refusal on boulder / possible bedrock.

Last Updated

05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH25A
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Rotary Percussion	Comacchio 602	0.00	2.30	
Rotary Coring	Comacchio 602	2.30	6.30	526556.58 E
				724492.37 N

Final Depth:	6.30 m	Start Date:	05/06/2025	Driller:	SMCW	Sheet 1 of 1
Elevation:	20.97 mOD	End Date:	06/06/2025	Logger:	EL	Scale: 1:40
						FINAL

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Depth (m)	Samples / Field Records	TCR	SCR	RQD	FI	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description
								20.77	0.20		TOPSOIL
0.50	B1							20.37	0.60		Dark greyish brown very sandy silty subangular fine to coarse GRAVEL with medium cobble content. Sand is fine to coarse.
1.00	B2										Dense light yellowish brown very sandy silty subangular fine to coarse GRAVEL with medium cobble and low boulder content. Sand is fine to coarse. Cobbles and boulders are of granite.
1.20 - 2.50	B3					1.20	0.00				
1.20 - 1.24	SPT(S) 50 (25 for 10mm/50 for 25mm) Hammer SN = 1377										
								18.77	2.20		Weathered GRANITE (Driller's description).
		100	28	12	>20			18.67	2.30		Strong pink speckled dark grey GRANITE. Moderately weathered: slightly reduced strength, much closer fracture spacing and faint orangish brown discolouration on some joint surfaces. Discontinuities: 1. 0-20 degree joints, probably very closely spaced, planar, smooth, with faint orangish brown staining on some joint surfaces. 2. 30-50 degree joints, probably closely spaced, planar, smooth, with faint orangish brown staining on joint surfaces. 3. 90 degree joint at 2.75-2.90m, planar, smooth and unstained (possibly drilling induced).
3.30		100	90	31	13			17.67	3.30		Strong pink speckled dark grey GRANITE. Slightly weathered: slightly reduced strength, closer fracture spacing and faint greenish brown discolouration on some joint surfaces. Discontinuities: 1. 0-20 degree joints, very closely spaced (30/50/120), planar, smooth, with faint greenish brown staining on some joint surfaces. 2. 45 degree joint at 5.55-5.65m, planar, smooth and unstained. 3. 80 degree joint at 5.60-5.70m, planar, smooth and unstained.
4.80		100	79	48	14						
6.30								14.67	6.30		End of Borehole at 6.30m
		TCR	SCR	RQD	FI						

Water: Backfill

Water Strikes			
Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Remarks

Inspection pit hand dug to 1.20m.
No groundwater encountered. Water added during drilling.

Casing Details	
To (m)	Diam (mm)
2.30	200

Core Barrel: SK6L

Flush Type: Water

Termination Reason: Terminated on Engineer's instruction.

Last Updated: 05/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Borehole ID
24-0211	Kingston Lands, Galway	BH26
	Client: King Construction	
	Client's Rep: TOBIN / MKO	

Method	Plant Used	Top (m)	Base (m)	Coordinates
Cable Percussion	Dando 2000	0.00	2.00	526545.73 E 724489.83 N

Final Depth:	Start Date:	Driller:	Sheet 1 of 1
2.00 m	29/05/2025	KP	Scale: 1:40
Elevation: 19.83 mOD	**End Date:** 29/05/2025	**Logger:** MFG	FINAL

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Depth (m)	Sample / Tests	Field Records	Casing Depth (m)	Water Depth (m)	Level mOD	Depth (m)	Legend	Description
0.00 - 0.50	B3							MADE GROUND: Soft dark brown slightly sandy gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse.
0.50	ES1				19.33	0.50		
0.50 - 1.20	B4							MADE GROUND: Brownish grey lightly sandy subangular fine to coarse GRAVEL. Sand is fine to coarse.
1.00	D5							
1.00	ES2							
1.20 - 2.00	B6				18.63	1.20		
1.20 - 1.65	SPT (C)	N=29 (4,5/7,8,7,7) Hammer SN = 1529	1.20					Medium dense light brown sandy silty subangular fine to coarse GRAVEL. Sand is fine to coarse.
					18.13	1.70		[Recovered through chiselling as] Dense grey angular fine to coarse GRAVEL with high cobble content. Cobbles are subangular. (Possible weathered bedrock.)
2.00	D7				17.83	2.00		
2.00 - 2.09	SPT (C)	50 (25 for 40mm/50 for 50mm) Hammer SN = 1529	2.00					End of Borehole at 2.00m

Water | Backfill

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0

Water Strikes

Struck at (m)	Casing to (m)	Time (min)	Rose to (m)

Casing Details

To (m)	Diameter
2.00	200

Water Added

From (m)	To (m)
1.40	2.00

Chiselling Details

From (m)	To (m)	Time (hh:mm)
1.70	2.00	01:30

Remarks

Inspection pit hand dug to 1.20m

Termination Reason

Terminated at refusal on boulder / possible bedrock.

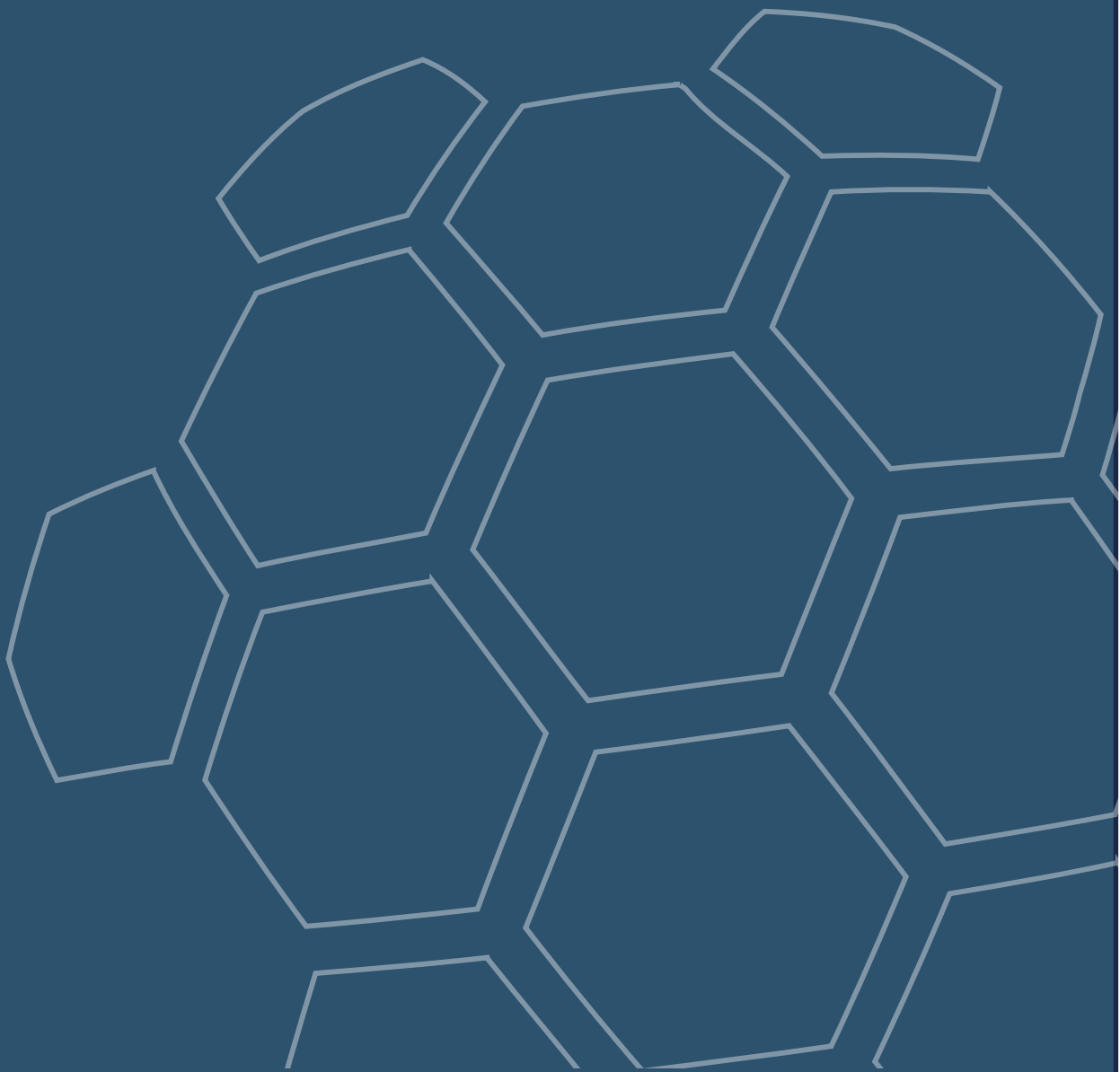
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05/08/2025

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APPENDIX D – TRIAL PIT LOGS

RECEIVED: 05/08/2026



CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	TP01
Coordinates 526839.33 E 724887.64 N	**Client:** King Construction	
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 24.76 mOD / **Date:** 27/05/2025 / **Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
			24.71	0.05		TOPSOIL with fine roots (0.5-2.0mm).	
0.50	ES1					Light greyish brown slightly gravelly slightly silty fine to coarse SAND. Gravel is angular to subangular.	
			24.06	0.70		Very stiff light grey slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is angular to subangular fine to coarse.	
			23.86	0.90		Light greyish brown very sandy silty angular to subangular fine to coarse GRAVEL with low cobble and boulder content. Sand is fine to coarse. Cobbles and boulders are angular.	
1.00	B4						
1.00	D3						
1.00	ES2						
2.00	B6						
2.00	D5						
		upwelling from base	22.26	2.50		End of trial pit at 2.50m	▼

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks
2.50	upwelling from base

Depth: 2.50
Width: 1.90
Length: 3.90

Remarks:

Stability: Moderately stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH	**Project No.** 24-0211	**Project Name:** Kingston Lands, Galway	**Trial Pit ID** TP02
	Coordinates 526751.79 E 724834.28 N	**Client:** King Construction	
Method: Trial Pitting		**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 23.48 mOD	**Date:** 27/05/2025	**Logger:** OR — FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						Firm black amorphous PEAT with fine roots (0.5-2.0mm) and medium roots (2.0-5.0mm).	
0.50	ES1		22.98	0.50		Very stiff light grey slightly gravelly sandy CLAY with medium cobble content. Sand is fine to coarse. Gravel is angular to subangular fine to coarse. Cobbles are angular.	
1.00	B5						
1.00	D3						
1.00	ES2						
2.00	B6						
2.00	D4						
		Upwelling from base of pit					▼
			20.88	2.60		End of trial pit at 2.60m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks
2.40	Upwelling from base of pit

Depth: 2.60
Width: 1.60
Length: 3.80

Remarks:

Stability: Unstable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	TP03
Coordinates 526791.30 E 724802.76 N	**Client:** King Construction	
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 23.64 mOD / **Date:** 27/05/2025 / **Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						Firm black amorphous PEAT with medium roots (2.0-5.0mm).	
0.50	ES1						
			22.89	0.75		Very stiff light grey slightly sandy slightly gravelly CLAY with high cobble content. Sand is fine to coarse. Gravel is angular to subangular fine to coarse. Cobbles are angular.	
1.00	B5						
1.00	D3						
1.00	ES2						▼
2.00	B6						
2.00	D4						
			20.79	2.85		End of trial pit at 2.85m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes

Struck at (m)	Remarks
1.50	

Depth: 2.85
Width: 1.90
Length: 3.00

Remarks:

Stability: Unstable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** TP04
Coordinates 526728.42 E 724776.33 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 23.63 mOD	**Date:** 26/05/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
0.50	ES1					MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil.)	
1.00	B3		22.63	1.00			
1.00	D5					Light grey very sandy clayey angular to subangular fine to coarse GRAVEL of granite with high cobble and boulder content. Sand is fine to coarse. Cobbles and boulders are angular.	
1.00	ES2						
2.00	B4						
2.00	D6						
			20.73	2.90		End of trial pit at 2.90m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes

Struck at (m)	Remarks
2.90	
1.00	

Depth: 2.90
Width: 2.30
Length: 3.20

Remarks:
Water is rushing into pit between topsoil and leached clayey gravel, washing the leached layer into the pit.

Stability:
Unstable below 1.00m

Termination Reason
Terminated at refusal on boulder / possible bedrock.

Last Updated
13/08/2025

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CAUSEWAY GEOTECH	**Project No.** 24-0211	**Project Name:** Kingston Lands, Galway	**Trial Pit ID** TP05
	Coordinates 526756.04 E 724734.69 N	**Client:** King Construction	
Method: Trial Pitting		**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 25.13 mOD	**Date:** 26/05/2025	**Logger:** OR — FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						Firm black amorphous PEAT with medium roots (2.0-5.0mm).	
			24.73	0.40			
0.50	ES1					Reddish brown gravelly slightly silty fine to coarse SAND with low cobble content. Gravel is angular to subangular fine to coarse. Cobbles are angular.	
			24.23	0.90			
1.00	B5					Grey very sandy clayey angular to subangular fine to coarse GRAVEL with medium cobble and boulder content. Sand is fine to coarse. Cobbles and boulders are angular.	
1.00	D3						
1.00	ES2						
2.00	B6		23.13	2.00			
2.00	D4					End of trial pit at 2.00m	

Water Strikes	
Struck at (m)	Remarks

Depth: 2.00
Width: 2.00
Length: 5.30

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	TP06
Coordinates	**Client:**	
526761.14 E 724659.49 N	King Construction	
Method:	**Client's Representative:**	Sheet 1 of 1
Trial Pitting	TOBIN / MKO	Scale: 1:25
Plant:	**Elevation** / **Date:** / **Logger:**	
29t Tracked Excavator	29.19 mOD / 28/05/2025 / OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						TOPSOIL with fine roots (0.5-2.0mm).	
			28.94	0.25			
0.45	B4					Light reddish brown very sandy slightly clayey angular to subangular fine to coarse GRAVEL with medium cobble content. Sand is fine to coarse. Cobbles are angular.	
0.45	D3						
0.50	ES1						
1.00	B6						
1.00	D5						
1.00	ES2		28.04	1.15			
						Light brownish grey gravelly slightly clayey fine to coarse SAND with high cobble content. Gravel is angular to subangular fine to coarse. Cobbles are angular.	
2.00	B8						
2.00	D7						
			26.49	2.70		End of trial pit at 2.70m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.70
Width: 2.00
Length: 2.90

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH	**Project No.** 24-0211	**Project Name:** Kingston Lands, Galway	**Trial Pit ID** TP07
	Coordinates 526721.20 E 724626.63 N	**Client:** King Construction	
Method: Trial Pitting		**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 25.46 mOD	**Date:** 28/05/2025	**Logger:** OR — FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
			25.16	0.30		TOPSOIL with fine roots (0.5-2.0mm).	
0.50	ES1					Reddish brown slightly sandy slightly clayey subangular to subrounded fine to coarse GRAVEL of granite with low cobble content. Sand is fine to coarse. Cobbles are angular.	
0.60	B8						
0.60	D3						
			24.56	0.90		Black clayey subangular fine to coarse GRAVEL of granite.	
1.00	B9						
1.00	D4						
1.00	ES2		24.26	1.20		Brownish grey slightly sandy slightly clayey subangular fine to coarse GRAVEL of granite. Sand is fine to coarse.	
1.55	B10						
1.55	D5						
			23.56	1.90		Dark greyish black slightly sandy angular to subangular fine to coarse GRAVEL with high cobble and boulder content. Sand is fine to coarse. Cobbles and boulders are angular.	
2.00	B11						
2.00	D6						
3.00	B12						
3.00	D7						
			21.86	3.60		End of trial pit at 3.60m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 3.60
Width: 2.70
Length: 5.00

Remarks:

Stability: Moderately stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	TP08
Coordinates	**Client:**	
526694.85 E	King Construction	
724702.30 N	**Client's Representative:** TOBIN / MKO	Sheet 1 of 1
		Scale: 1:25
Method: Trial Pitting		
Plant: 29t Tracked Excavator	**Elevation** 25.62 mOD	**Date:** 26/05/2025
		Logger: OR
		FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil).	
0.40	B4		25.22	0.40		Light greyish brown slightly gravelly clayey fine to coarse SAND. Gravel is angular fine to coarse of granite.	
0.40	B5						
0.40	D3						
0.50	ES1						
			24.82	0.80		Reddish brown slightly gravelly clayey fine to coarse SAND with low cobble and boulder content. Gravel is angular fine to coarse of granite. Cobbles and boulders are angular to subrounded of granite.	
1.00	D6						
1.00	ES2						
			24.32	1.30		End of trial pit at 1.30m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 1.30
Width: 1.90
Length: 3.50

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH	**Project No.** 24-0211	**Project Name:** Kingston Lands, Galway	**Trial Pit ID** TP09
	Coordinates 526699.04 E 724742.82 N	**Client:** King Construction	
Method: Trial Pitting		**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 23.94 mOD	**Date:** 26/05/2025	**Logger:** OR — FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						Firm black amorphous PEAT with medium roots (2.0-5.0mm).	
			23.54	0.40			
0.50	B3					Light greyish brown very gravelly clayey fine to coarse SAND with medium cobble content. Gravel is angular fine to coarse of granite. Cobbles are angular to subangular of granite.	
0.50	D4						
0.50	ES1						
1.00	ES2		22.94	1.00		Light grey slightly sandy clayey angular fine to coarse GRAVEL with high cobble and boulder content. Sand is fine to coarse. Cobbles and boulders are angular to subangular of granite.	
1.40	B5		22.54	1.40		End of trial pit at 1.40m	
1.40	D6						

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 1.40
Width: 1.50
Length: 3.80

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	TP10
Coordinates	**Client:**	
526637.31 E 724757.28 N	King Construction	
Method:	**Client's Representative:**	Sheet 1 of 1
Trial Pitting	TOBIN / MKO	Scale: 1:25
Plant:	**Elevation** / **Date:** / **Logger:**	
29t Tracked Excavator	25.20 mOD / 23/05/2025 / OR	FINAL

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Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil).	
			24.80	0.40			
0.50	ES1					Reddish brown slightly gravelly silty fine to coarse SAND. Gravel is angular fine to coarse of granite.	
0.60	B3						
0.60	D2						
			24.40	0.80			
						Light grey very sandy silty angular fine to coarse GRAVEL with high cobble and boulder content. Sand is fine to coarse of granite. Cobbles and boulders are angular of granite	
1.00	B5		24.20	1.00			
1.00	D6					End of trial pit at 1.00m	
1.00	ES4						

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 1.00
Width: 2.00
Length: 4.70

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** TP10A
Coordinates 526636.31 E 724756.99 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 25.11 mOD	**Date:** 23/05/2025	**Logger:** OR	FINAL

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Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
0.40	ES1		24.61	0.50		MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil).	
						End of trial pit at 0.50m	

0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 0.50
Width: 1.80
Length: 3.60

Remarks:
Boulder sloping down from surface on one side.

Stability:
Stable

Termination Reason
Terminated at refusal on boulder / possible bedrock.

Last Updated
13/08/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** TP11
Coordinates 526533.51 E 724703.78 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 23.30 mOD	**Date:** 22/05/2025	**Logger:** AR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Light grey sandy subangular fine to medium GRAVEL. Sand is fine to coarse.	
			23.10	0.20		Firm light greyish brown slightly sandy gravelly CLAY with high cobble and boulder content. Sand is fine to coarse. Gravel is subangular fine to coarse. Cobbles and boulders are subangular up to 0.7m in diameter.	
0.50	ES1						
1.00	B8						
1.00	D5						
1.00	ES2						
3.00	B6		20.30	3.00		Stiff dark brownish black slightly gravelly sandy CLAY with high cobble and boulder content with occasional rootlets. Sand is fine to coarse. Gravel is subangular fine to coarse. with occasional rootlets. Cobbles and boulders are subangular up to 0.7m in diameter.	
3.00	D4						
3.50	B7		19.80	3.50		Light grey very gravelly very silty fine to coarse SAND. Gravel is subangular fine to medium.	
3.50	D3						
			18.80	4.50		End of trial pit at 4.50m	

Water Strikes	
Struck at (m)	Remarks
4.00	

Depth: 4.50
Width: 3.00
Length: 5.00

Remarks:

Stability: Moderately stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** TP12
Coordinates 526514.06 E 724795.00 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 21.87 mOD	**Date:** 22/05/2025	**Logger:** AR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						TOPSOIL with fine roots (0.5-2.0mm).	
			21.67	0.20			
0.50	ES6					Light orangish brown very gravelly silty fine to coarse SAND with low cobble content. Gravel is subangular fine to coarse. Cobbles are subangular.	
1.00	B1						
1.00	D3						
1.00	ES5		20.77	1.10			
						Light grey very sandy silty subangular fine to coarse GRAVEL with medium cobble and boulder content. Sand is fine to coarse. Cobbles and boulders are subangular up to .45m in diameter.	
2.00	B2						
2.00	D4						
			19.37	2.50		End of trial pit at 2.50m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.50
Width: 2.10
Length: 3.30

Remarks:

Stability: Moderately stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	TP13
Coordinates	**Client:**	
526579.40 E 724760.94 N	King Construction	
Method:	**Client's Representative:**	Sheet 1 of 1
Trial Pitting	TOBIN / MKO	Scale: 1:25
Plant:	**Elevation**	**Date:** / **Logger:**	FINAL
29t Tracked Excavator	24.80 mOD	23/05/2025 / OR	

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
			24.70	0.10		TOPSOIL with fine roots (0.5-2.0mm).	
						Firm dark brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of granite.	
0.40 0.40	D2 ES1		24.40	0.40		End of trial pit at 0.40m	

0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 0.40
Width: 1.97
Length: 3.20

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulders / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** TP13A
Coordinates 526577.14 E 724772.05 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 24.17 mOD	**Date:** 23/05/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						TOPSOIL with fine roots (0.5-2.0mm).	
			23.82	0.35			
0.50	ES1					Reddish brown slightly gravelly slightly clayey fine to coarse SAND. Gravel is angular to subrounded fine to coarse of granite.	
			23.62	0.55			
1.00	ES2					Light grey slightly gravelly silty fine to coarse SAND. Gravel is subangular to subrounded fine to coarse of granite.	
			21.87	2.30		End of trial pit at 2.30m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.30
Width: 2.00
Length: 2.20

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 13/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	TP14
Coordinates	**Client:**	
526648.83 E 724680.46 N	King Construction	
Method:	**Client's Representative:**	Sheet 1 of 1
Trial Pitting	TOBIN / MKO	Scale: 1:25
Plant:	**Elevation** / **Date:** / **Logger:**	
29t Tracked Excavator	27.47 mOD / 26/05/2025 / OR	FINAL

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Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						TOPSOIL with fine roots (0.5-2.0mm).	
			27.17	0.30			
						Reddish brown very sandy silty subangular to subrounded fine to coarse GRAVEL. Sand is fine to coarse.	
0.50	ES3						
0.90	B2		26.57	0.90			
0.90	D1					End of trial pit at 0.90m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 0.90
Width: 1.70
Length: 3.50

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

AGS

CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** TP15
Coordinates 526647.06 E 724626.75 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 25.04 mOD	**Date:** 28/05/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
			24.94	0.10		TOPSOIL with fine roots (0.5-2.0mm).	
0.30	B3					Dark greyish brown slightly gravelly clayey fine to coarse SAND with low cobble content. Gravel is angular to subangular fine to coarse. Cobbles are angular.	
0.30	D4						
0.50	ES1		24.54	0.50		Reddish brown slightly gravelly silty fine to coarse SAND with medium cobble content. Gravel is angular to subangular fine to coarse. Cobbles are angular.	
0.65	B5						
0.65	D6						
			24.24	0.80		Light greyish brown very sandy silty angular to subangular fine to coarse GRAVEL with high cobble and low boulder content. Sand is fine to coarse. Cobbles and boulders are angular.	
1.00	B7						
1.00	D8						
1.00	ES2						
2.00	B9						
2.00	D10						
3.00	B11						
3.00	D12						
			21.64	3.40		End of trial pit at 3.40m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks
3.40	

Depth: 3.40
Width: 1.60
Length: 4.00

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	TP16
Coordinates	**Client:**	
526691.52 E 724586.02 N	King Construction	
Method:	**Client's Representative:**	Sheet 1 of 1
Trial Pitting	TOBIN / MKO	Scale: 1:25
Plant:	**Elevation** / **Date:** / **Logger:**	
29t Tracked Excavator	mOD / 29/05/2025 / OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil).	
0.50	ES1						
				0.90		Reddish brown very sandy clayey angular fine to coarse GRAVEL with low cobble content. Sand is fine to coarse. Cobbles are angular.	
1.00	B3						
1.00	D5						
1.00	ES2						
				1.50		Light grey gravelly slightly clayey fine to coarse SAND with medium cobble content. Gravel is angular fine to coarse. Cobbles are angular.	
1.90	B4			1.90		End of trial pit at 1.90m	
1.90	D6						

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 1.90
Width: 1.60
Length: 2.90

Remarks:
No access to survey as-built position - the coordinates shown above are estimated.

Stability:
Stable

Termination Reason
Terminated at refusal on boulder / possible bedrock.

Last Updated
13/08/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	TP17
Coordinates 526649.18 E 724590.60 N	**Client:** King Construction	
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** mOD / **Date:** 28/05/2025 / **Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
				0.30		TOPSOIL with fine roots (0.5-2.0mm).	
0.50	ES1			0.75		Dark reddish brown slightly gravelly clayey fine to coarse SAND with low cobble content. Gravel is angular to subangular. Cobbles are angular.	
1.00	B4					Light greyish brown very sandy clayey angular fine to coarse GRAVEL with medium cobble content. Sand is fine to coarse. Cobbles are angular.	
1.00	D3						
1.00	ES2						
2.00	B6						
2.00	D5			2.30		End of trial pit at 2.30m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.30
Width: 1.60
Length: 3.00

Remarks:
No access to survey as-built position - the coordinates shown above are estimated.

Stability:	Termination Reason	Last Updated
Stable	Terminated at refusal on boulder / possible bedrock.	13/08/2025

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CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	TP18
Coordinates	**Client:**	
526581.72 E 724596.30 N	King Construction	
Method:	**Client's Representative:**	Sheet 1 of 1
Trial Pitting	TOBIN / MKO	Scale: 1:25
Plant:	**Elevation** / **Date:** / **Logger:**	FINAL
29t Tracked Excavator	23.22 mOD / 30/05/2025 / OR	

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil).	
0.50	ES1						
			22.52	0.70			
0.80	B5					Light grey slightly gravelly silty fine to coarse SAND with high cobble content. Gravel is angular fine to coarse. Cobbles are angular.	
0.80	D3		22.32	0.90			
1.00	ES2					Dark reddish brown very sandy slightly silty angular fine to coarse GRAVEL with high cobble content. Sand is fine to coarse. Cobbles are angular.	
2.00	B6						
2.00	D4						
			21.07	2.15		End of trial pit at 2.15m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.15
Width: 1.65
Length: 3.00

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** TP19
Coordinates 526560.26 E 724649.61 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 23.29 mOD	**Date:** 30/05/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil).	
0.50	ES1		22.84	0.45		Light greyish brown mottled reddish brown sandy clayey angular fine to coarse GRAVEL with low cobble content. Sans is fine to coarse. Cobbles are angular.	
1.00	B4						
1.00	D3						
1.00	ES2						
1.55	B6		22.09	1.20		Light yellowish grey slightly gravelly clayey fine to coarse SAND with medium cobble content. Gravel is angular fine to coarse. Cobbles are angular.	
1.55	D5						
			21.39	1.90		End of trial pit at 1.90m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 1.90
Width: 1.60
Length: 2.70

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** TP20
Coordinates 526553.74 E 724555.00 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 22.04 mOD	**Date:** 30/05/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil).	
0.50	ES1		21.54	0.50		Reddish brown slightly gravelly silty fine to coarse SAND with medium cobble content. Gravel is angular fine to coarse. Cobbles are angular.	
0.70	B5						
0.70	D3						
			21.14	0.90		Light grey very sandy silty angular fine to coarse GRAVEL with high cobble content. Sand is fine to coarse. Cobbles are angular.	
1.00	B6						
1.00	D4						
1.00	ES2						
			20.39	1.65		End of trial pit at 1.65m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 1.65
Width: 1.65
Length: 2.30

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 13/08/2025

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CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	ETP01
Coordinates	**Client:**	
526868.22 E 724901.55 N	King Construction	
Method:	**Client's Representative:**	Sheet 1 of 1
Trial Pitting	TOBIN / MKO	Scale: 1:25
Plant:	**Elevation** / **Date:** / **Logger:**	FINAL
29t Tracked Excavator	28.15 mOD / 27/05/2025 / OR	

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil)	
			27.75	0.40			
0.50	ES1					Reddish brown slightly gravelly slightly clayey fine to coarse SAND with medium cobble and boulder content. Gravel is angular to subangular fine to coarse. Cobbles and boulders are angular.	
1.00	ES2						
			27.00	1.15		Light greyish brown slightly gravelly silty fine to coarse SAND with high cobble and boulder content. Gravel is angular to subangular fine to coarse. Cobbles and boulders are angular.	
1.50	ES3						
2.00	ES4						
			25.75	2.40		End of trial pit at 2.40m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.40
Width: 1.80
Length: 3.60

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 18/08/2025

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CAUSEWAY GEOTECH	**Project No.** 24-0211	**Project Name:** Kingston Lands, Galway	**Trial Pit ID** ETP02
	Coordinates 526759.56 E 724785.95 N	**Client:** King Construction	
Method: Trial Pitting		**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 23.43 mOD	**Date:** 27/05/2025	**Logger:** OR — FINAL

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Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
0.50	ES1					Firm black fibrous PEAT with fine roots (0.5-2.0mm) and medium roots (2.0-5.0mm).	
1.00	ES2		22.53	0.90		Very stiff light grey slightly gravelly sandy CLAY with medium cobble content. Sand is fine to coarse. Gravel is angular to subangular fine to coarse. Cobbles are angular.	
1.50	ES3		21.63	1.80		End of trial pit at 1.80m	▼

Water Strikes	
Struck at (m)	Remarks
1.80	

Depth: 1.80
Width: 1.60
Length: 3.30

Remarks:

Stability: Moderately stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 18/08/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** ETP03
Coordinates 526723.12 E 724738.96 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 24.07 mOD	**Date:** 26/05/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Soft brown slightly gravelly sandy CLAY with medium roots (2.0-5.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil)	
0.50	ES1		23.57	0.50		Light grey slightly gravelly slightly clayey fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded fine to coarse. Cobbles are angular to subangular.	
1.00	ES2		23.17	0.90		Light grey slightly sandy clayey very angular to subangular fine to coarse GRAVEL with high cobble and boulder content. Sand is fine to coarse. Cobbles and boulders are angular.	
1.50	ES3						
			22.27	1.80		End of trial pit at 1.80m	▼

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks
1.80	

Depth: 1.80
Width: 1.80
Length: 4.00

Remarks:

Stability: Moderately stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 18/08/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** ETP04
Coordinates 526631.89 E 724738.99 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 25.40 mOD	**Date:** 23/05/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
0.30	ES1					MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil.)	
0.50	ES2						
1.00	ES3		24.30	1.10		Light grey slightly gravelly silty fine to coarse SAND with medium cobble content. Gravel is subangular to subrounded fine to coarse of granite. Cobbles are granite.	
1.50	ES4						
2.00	ES5		23.45	1.95		Firm reddish brown slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of granite.	
2.50	ES6		23.15	2.25		Stiff greyish black slightly gravelly sandy CLAY with high cobble and boulder content. Sand is fine to coarse. Gravel is angular to subrounded fine to coarse of granite. Cobbles and boulders are angular to subrounded of granite.	
			22.70	2.70		End of trial pit at 2.70m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.70
Width: 2.00
Length: 3.70

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 18/08/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** ETP05
Coordinates 526536.69 E 724761.00 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 22.22 mOD	**Date:** 29/05/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
			22.07	0.15		TOPSOIL with fine roots (0.5-2.0mm).	
			21.82	0.40		Possible MADE GROUND: Stiff dark greyish brown slightly gravelly sandy CLAY with low cobble content. Sand is fine to coarse. Gravel is angular fine to coarse. Cobbles are angular.	
0.50	ES1					Light yellowish greyish brown slightly gravelly silty fine to coarse SAND with low cobble content. Gravel is angular fine to coarse. Cobbles are angular.	
			21.37	0.85		Light grey slightly gravelly silty fine to coarse SAND with medium cobble content. Gravel is angular fine to coarse. Cobbles are angular.	
1.00	ES2		21.17	1.05		End of trial pit at 1.05m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 1.05
Width: 1.70
Length: 2.80

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 18/08/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** ETP06
Coordinates 526583.01 E 724701.06 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 24.74 mOD	**Date:** 22/05/2025	**Logger:** AR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
0.50	ES1					Soft dark brown slightly sandy gravelly CLAY with medium cobble content and occasional rootlets. Sand is fine to coarse. Gravel is subangular fine to coarse. Cobbles are subangular	
1.00	ES2		23.74	1.00		Light grey slightly gravelly slightly clayey fine to coarse SAND with high cobble and boulder content. Gravel is subangular fine to coarse. Cobbles and boulders are subangular up to 0.8m in diameter.	
1.50	ES3						
2.00	ES4						
2.50	ES5		22.24	2.50		End of trial pit at 2.50m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.50
Width: 3.00
Length: 3.80

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 18/08/2025

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CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	ETP07
Coordinates 526558.63 E 724738.69 N	**Client:** King Construction	
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 23.62 mOD / **Date:** 29/05/2025 / **Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
0.50	ES1					MADE GROUND: Firm brownish black slightly sandy slightly gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse. Cobbles are subrounded. (Probable reworked topsoil)	
1.00	ES2						
1.50	ES3						
2.00	ES4						
			21.52	2.10		Light brownish grey sandy slightly clayey angular to subrounded fine to coarse GRAVEL of granite with medium cobble and boulder content. Sand is fine to coarse. Cobbles and boulders are angular.	
			20.27	3.35		End of trial pit at 3.35m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks
3.30	

Depth: 3.35
Width: 1.60
Length: 3.80

Remarks:
Situated between two piles of waste rock.

Stability:
Stable

Termination Reason
Terminated at scheduled depth.

Last Updated
18/08/2025

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CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	ETP08
Coordinates 526675.81 E 724647.78 N	**Client:** King Construction	
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 26.73 mOD / **Date:** 28/05/2025 / **Logger:** OR	FINAL

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Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
			26.63	0.10		TOPSOIL with fine roots (0.5-2.0mm).	
0.50	ES1					Soft dark greyish brown slightly gravelly sandy CLAY with low cobble content. Sand is fine to coarse. Gravel is angular to subangular fine to coarse. Cobbles are angular.	
			26.03	0.70		Light reddish brown slightly gravelly silty fine to coarse SAND with medium cobble content. Gravel is angular fine to coarse. Cobbles are angular.	
1.00	ES2						
1.50	ES3						
			24.83	1.90		Light greyish brown slightly gravelly slightly silty fine to coarse SAND with high cobble content. Gravel is angular fine to coarse. Cobbles are angular.	
2.00	ES4						
2.45	ES5		24.28	2.45		End of trial pit at 2.45m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.45
Width: 1.60
Length: 3.80

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 18/08/2025

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CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	ETP09
Coordinates 526534.56 E 724621.13 N	**Client:** King Construction	
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 21.08 mOD / **Date:** 30/05/2025 / **Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil)	
0.50	ES1		20.63	0.45		Light grey slightly gravelly clayey fine to coarse SAND with high cobble content. Gravel is angular fine to coarse. Cobbles are angular.	
1.00	ES2		19.88	1.20		Light reddish grey sandy slightly clayey angular fine to coarse GRAVEL with high cobble and boulder content. Sand is fine to coarse. Cobbles and boulders are angular.	
1.50	ES3		19.18	1.90		End of trial pit at 1.90m	▼

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks
1.90	

Depth: 1.90
Width: 1.50
Length: 2.60

Remarks:

Stability: Stable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 18/08/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** ETP10
Coordinates 526596.32 E 724562.66 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 25.09 mOD	**Date:** 30/05/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
			24.84	0.25		TOPSOIL with fine roots (0.5-2.0mm).	
0.50	ES1					Light grey sandy slightly silty subangular to subrounded fine to coarse GRAVEL of granite with medium cobble content. Sand is fine to coarse. Cobbles are subrounded.	
			24.29	0.80			
1.00	ES2					Reddish brown gravelly slightly silty fine to coarse SAND with medium cobble content. Gravel is subangular fine to coarse. Cobbles are angular to subangular.	
1.50	ES3						
2.00	ES4						
2.50	ES5		22.59	2.50		Light grey gravelly slightly silty fine to coarse SAND with high cobble content. Gravel is subangular fine to coarse. Cobbles are subangular.	
			21.99	3.10		End of trial pit at 3.10m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 3.10
Width: 1.60
Length: 3.45

Remarks:

Stability: Stable

Termination Reason Terminated at scheduled depth.

Last Updated 18/08/2025

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CAUSEWAY GEOTECH	**Project No.** 24-0211	**Project Name:** Kingston Lands, Galway	**Trial Pit ID** ETP11
	Coordinates 526548.98 E 724514.92 N	**Client:** King Construction	
Method: Trial Pitting		**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 21.05 mOD	**Date:** 30/05/2025	**Logger:** OR — FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
0.50	ES1		20.45	0.60		MADE GROUND: Soft brown slightly gravelly sandy CLAY with fine roots (0.5-2.0mm). Sand is fine to coarse. Gravel is subrounded fine to coarse of various lithologies, predominantly granite. (Reworked topsoil)	
1.00	ES2		19.95	1.10		Reddish brown slightly gravelly silty fine to coarse SAND with low cobble content. Gravel is angular fine to coarse. Cobbles are angular.	
1.50	ES3					Light grey gravelly slightly silty fine to coarse SAND with medium cobble and boulder content. Gravel is angular fine to coarse. Cobbles and boulders are angular.	
2.00	ES4						
2.50	ES5		18.55	2.50		End of trial pit at 2.50m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

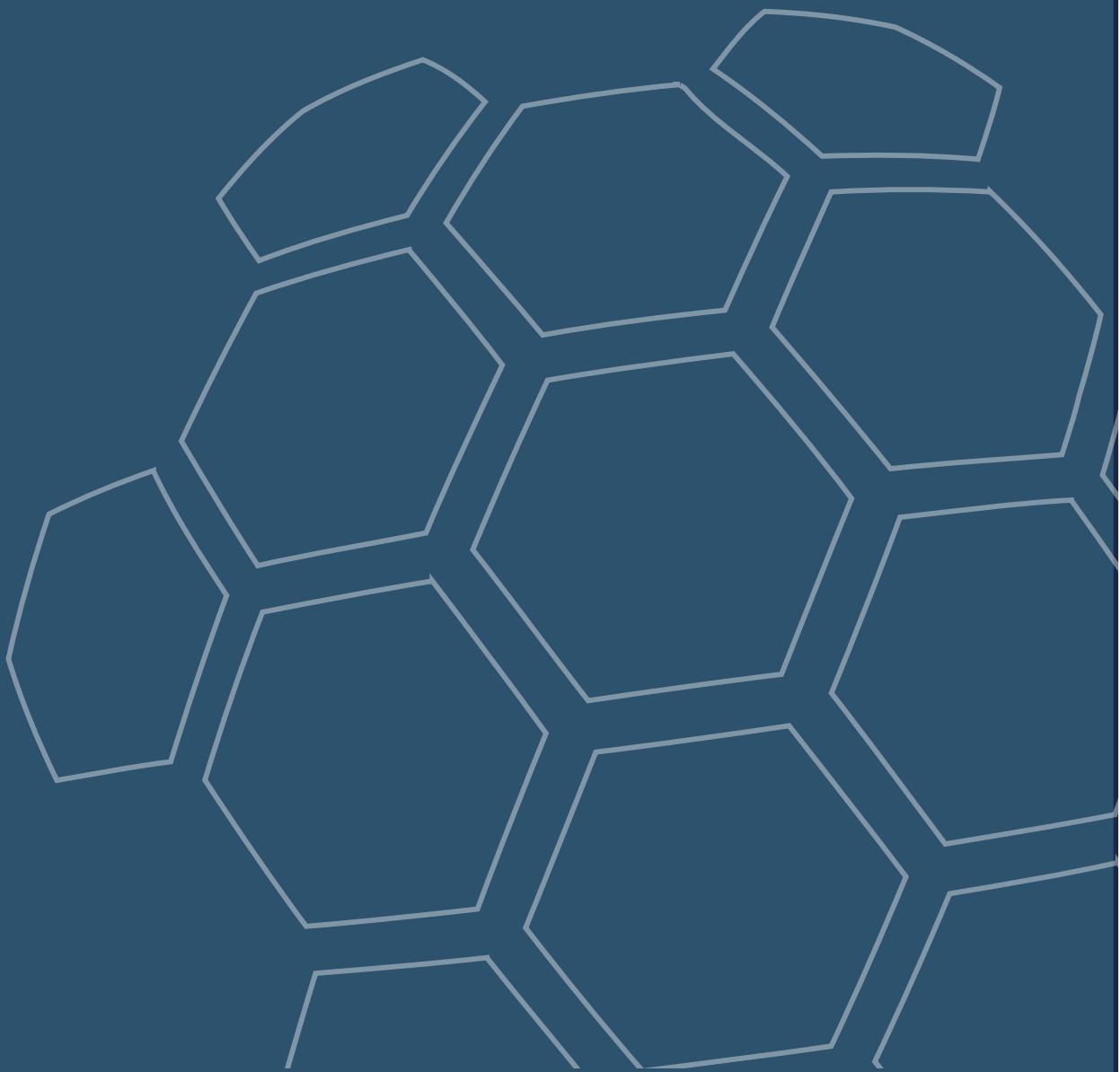
Water Strikes			
Struck at (m)	Remarks	**Depth:** 2.50 **Width:** 1.70 **Length:** 2.85	**Remarks:**
		Stability: Moderately stable	**Termination Reason** Terminated at scheduled depth.

Last Updated 18/08/2025

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APPENDIX F – SAMPLING LOCATION LOGS

RECEIVED: 05/08/2026



CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** SL01
Coordinates 526927.86 E 724902.77 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 32.57 mOD	**Date:** 11/06/2025	**Logger:** OR	FINAL

RECEIVED: 05/03/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Dark greyish brown very gravelly very silty fine to coarse SAND with low cobble content. Gravel is subangular fine to coarse. Cobbles are subangular.	
0.85 0.85	B1 ES2		31.72	0.85		End of trial pit at 0.85m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 0.85
Width: 1.70
Length: 1.95

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	SL02
Coordinates	**Client:**	
526864.33 E 724922.14 N	King Construction	
Method:	**Client's Representative:**	Sheet 1 of 1
Trial Pitting	TOBIN / MKO	Scale: 1:25
Plant:	**Elevation** / **Date:** / **Logger:**	
29t Tracked Excavator	30.22 mOD / 11/06/2025 / OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Dark greyish brown very sandy silty subangular fine to coarse GRAVEL with medium cobble content. Sand is fine to coarse. Cobbles are subangular.	
1.20 1.20	B1 ES2		29.02	1.20		End of trial pit at 1.20m	

0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 1.20
Width: 2.00
Length: 2.40

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

AGS

CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** SL03
Coordinates 526863.67 E 724851.82 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 29.84 mOD	**Date:** 11/06/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Firm dark greyish brown slightly sandy gravelly SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular fine to coarse. Cobbles and boulders are subangular.	
1.15 1.15	B1 ES2		28.69	1.15		End of trial pit at 1.15m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 1.15
Width: 1.65
Length: 2.70

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** SL04
Coordinates 526801.92 E 724857.31 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 24.31 mOD	**Date:** 11/06/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Greyish brown angular to subrounded COBBLES of various lithologies predominantly granite with some slightly gravelly slightly silty sand. Sand is fine to coarse. Gravel is angular to subangular fine to coarse.	
			23.51	0.80		Firm black amorphous PEAT.	
1.40 1.40	B1 ES2		22.91	1.40		End of trial pit at 1.40m	▼

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks
1.40	

Depth: 1.40
Width: 2.20
Length: 2.95

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

AGS

CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** SL05
Coordinates 526671.83 E 724751.10 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 27.46 mOD	**Date:** 11/06/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Firm dark brown sandy gravelly CLAY with low cobble content and pockets of very sandy gravel. Sand is fine to coarse. Gravel is subangular fine to coarse. Cobbles are subangular.	
1.40	B1		26.06	1.40		End of trial pit at 1.40m	
1.40	ES2						

0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 1.40
Width: 1.90
Length: 2.40

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

AGS

CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	SL06
Coordinates	**Client:**	
526798.52 E 724841.05 N	King Construction	
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 23.55 mOD	**Date:** 11/06/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						Firm black amorphous PEAT with medium roots (2.0-5.0mm).	
0.80	B1						
0.80	ES3		22.70	0.85		Stiff light grey slightly gravelly sandy CLAY with low cobble content. Sand is fine to coarse. Gravel is subangular fine to coarse. Cobbles are subangular.	
1.60	B2		21.95	1.60		End of trial pit at 1.60m	
1.60	ES4						

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks
0.85	

Depth: 1.60
Width: 2.15
Length: 2.45

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

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CAUSEWAY GEOTECH

Project No.	Project Name:	Trial Pit ID
24-0211	Kingston Lands, Galway	SL07
Coordinates 526762.64 E 724842.66 N	**Client:** King Construction	
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 25.93 mOD / **Date:** 11/06/2025 / **Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Greyish brown sandy silty subangular fine to coarse GRAVEL with low cobble content. Sand is fine to coarse. Cobbles are subangular.	
1.00	B1						
1.00	ES4						
2.00	B2						
2.00	ES3						
			23.58	2.35		End of trial pit at 2.35m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.35
Width: 2.15
Length: 3.60

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** SL08
Coordinates 526755.79 E 724839.00 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 25.97 mOD	**Date:** 11/06/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
1.00	B1					MADE GROUND: Greyish brown sandy silty subangular fine to coarse GRAVEL with medium cobble and boulder content. Sand is fine to coarse. Cobbles and boulders are subangular.	
1.00	ES4						
2.00	B2						
2.00	ES3						
			23.37	2.60		End of trial pit at 2.60m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.60
Width: 2.95
Length: 3.25

Remarks:

Stability: Unstable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** SL09
Coordinates 526750.18 E 724849.41 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 24.71 mOD	**Date:** 12/06/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
1.00	B1					MADE GROUND: Soft brownish black slightly sandy gravelly SILT with low cobble and medium boulder content and rare lenses of grey clay and brown silt with fragments of metal and plastic waste. Sand is fine to coarse. Gravel is angular fine to coarse. Cobbles and boulders are angular to subangular. Strong putrid odour.	
1.00	ES2						
2.00	B3						
2.00	ES4						
			22.51	2.20		End of trial pit at 2.20m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks
1.80	

Depth: 2.20
Width: 2.10
Length: 3.60

Remarks:

Stability: Moderately stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** SL10
Coordinates 526751.35 E 724863.44 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 26.24 mOD	**Date:** 11/06/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
1.00	B1					MADE GROUND: Firm greyish brown slightly gravelly sandy SILT with medium cobble and boulder content. Sand is fine to coarse. Gravel is subangular fine to coarse. Cobbles and boulders are subangular.	
1.00	ES3						
			24.89	1.35		Greyish brown gravelly fine to coarse slightly silty SAND with medium cobble and boulder content. Gravel is subangular fine to coarse. Cobbles and boulders are subangular.	
2.00	B2						
2.00	ES4		24.14	2.10		End of trial pit at 2.10m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.10
Width: 2.10
Length: 3.90

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** SL11
Coordinates 526718.28 E 724839.31 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 27.33 mOD	**Date:** 11/06/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Dark greyish brown sandy slightly silty angular fine to coarse GRAVEL with high cobble content. Sand is fine to coarse. Cobbles are angular.	
1.00	B1						
1.00	ES2						
2.00	B3						
2.00	ES4						
			25.03	2.30		End of trial pit at 2.30m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.30
Width: 2.00
Length: 3.00

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** SL12
Coordinates 526729.52 E 724825.84 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 28.19 mOD	**Date:** 11/06/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Dark greyish brown slightly gravelly sandy SILT with medium cobble content. Sand is fine to coarse. Gravel is angular fine to coarse. Cobbles are subangular.	
			27.39	0.80		MADE GROUND: Light yellowish grey mottled bluish grey CLAY.	
1.00 1.00	B1 ES2						
			26.79	1.40		MADE GROUND: Dark greyish brown slightly gravelly sandy SILT with medium cobble content. Sand is fine to coarse. Gravel is subangular fine to coarse. Cobbles are subangular.	
2.00 2.00	B4 ES3						
			25.69	2.50		End of trial pit at 2.50m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.50
Width: 1.55
Length: 3.30

Remarks:

Stability: Stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

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CAUSEWAY GEOTECH	**Project No.** 24-0211	**Project Name:** Kingston Lands, Galway	**Trial Pit ID** SL13
	Coordinates 526727.97 E 724791.96 N	**Client:** King Construction	
Method: Trial Pitting		**Client's Representative:** TOBIN / MKO	Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 24.62 mOD	**Date:** 11/06/2025	**Logger:** OR — FINAL

RECEIVED: 05/03/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
0.70	B1					MADE GROUND: Firm brown slightly sandy slightly gravelly CLAY with low cobble content. Sand is fine to coarse. Gravel is subangular fine to coarse. Cobbles are subrounded.	
0.70	ES2						
			23.72	0.90		Firm black amorphous PEAT.	
1.80	B3		22.82	1.80		End of trial pit at 1.80m	
1.80	ES4						

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks
1.35	

Depth: 1.80
Width: 2.00
Length: 3.30

Remarks:

Stability: Unstable

Termination Reason: Terminated at refusal on boulder / possible bedrock.

Last Updated: 28/07/2025

AGS

CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** SL14
Coordinates 526704.83 E 724823.28 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 27.35 mOD	**Date:** 11/06/2025	**Logger:** OR	FINAL

RECEIVED: 05/03/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Greyish brown sandy slightly silty angular to subangular fine to coarse GRAVEL with medium cobble content. Sand is fine to coarse. Cobbles are angular to subangular.	
1.00	B1						
1.00	ES2						
2.00	B3						
2.00	ES4						
			24.55	2.80		End of trial pit at 2.80m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks
1.30	

Depth: 2.80
Width: 1.95
Length: 3.65

Remarks:

Stability: Moderately stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

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CAUSEWAY GEOTECH

Project No. 24-0211	**Project Name:** Kingston Lands, Galway		**Trial Pit ID** SL15
Coordinates 526707.43 E 724789.17 N	**Client:** King Construction		
Method: Trial Pitting	**Client's Representative:** TOBIN / MKO		Sheet 1 of 1 Scale: 1:25
Plant: 29t Tracked Excavator	**Elevation** 26.81 mOD	**Date:** 11/06/2025	**Logger:** OR	FINAL

RECEIVED: 05/08/2026

Depth (m)	Sample / Tests	Field Records	Level (mOD)	Depth (m)	Legend	Description	Water
						MADE GROUND: Brownish black very sandy clayey subangular fine to coarse GRAVEL with medium cobble and boulder content and fragments of concrete and rebar . Sand is fine to coarse. Cobbles and boulders are angular to subangular.	
1.00	B1						
1.00	ES2						
2.00	B3						
2.00	ES4						
			24.21	2.60		End of trial pit at 2.60m	

0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5

Water Strikes	
Struck at (m)	Remarks

Depth: 2.60
Width: 2.85
Length: 4.10

Remarks:

Stability: Moderately stable

Termination Reason: Terminated at scheduled depth.

Last Updated: 28/07/2025

AGS

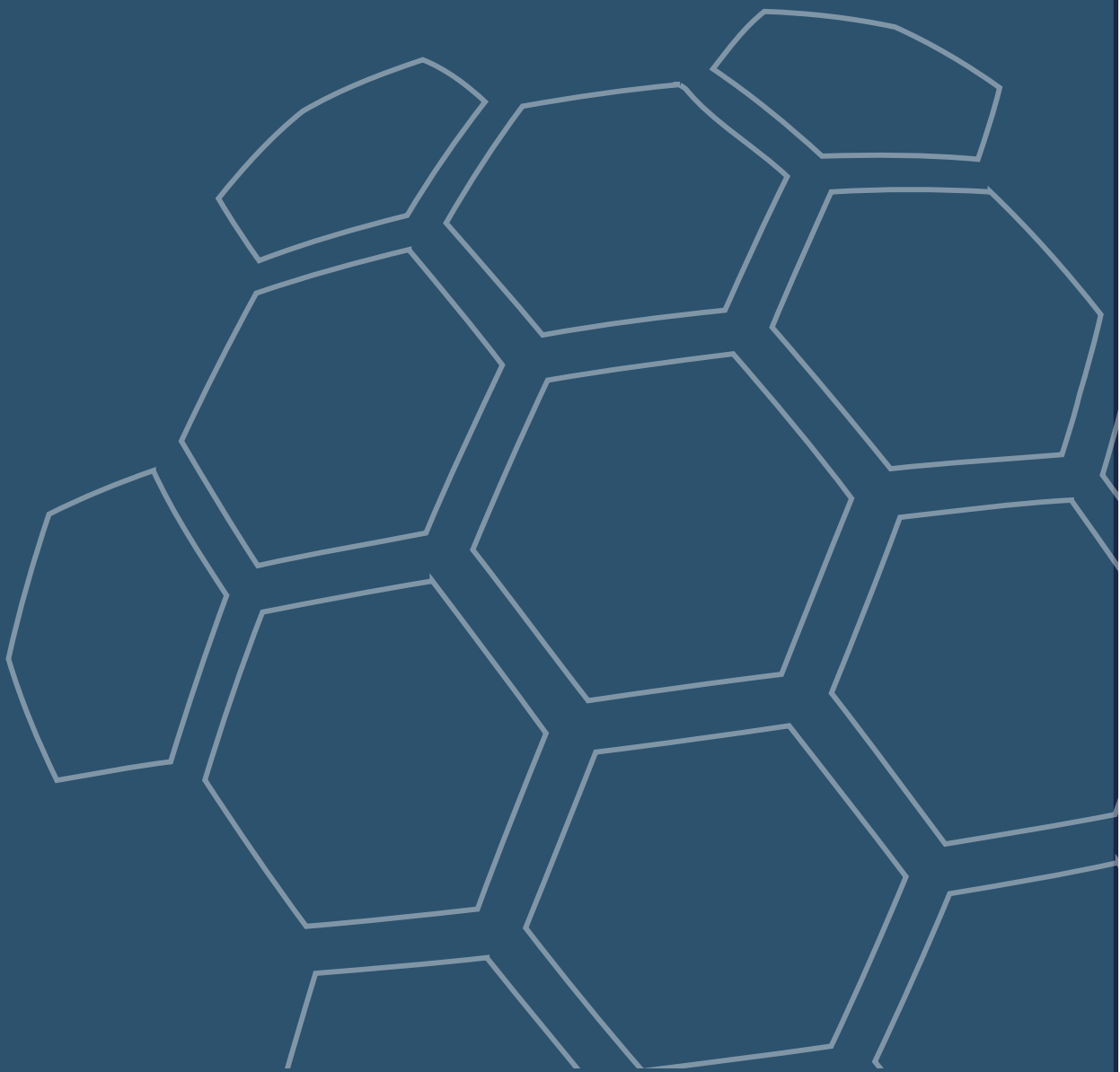
RECEIVED: 05/08/2026

APPENDIX 5

GROUNDWATER AND GROUND GAS MONITORING RECORD

APPENDIX K – GROUNDWATER & GAS MONITORING RECORDS

RECEIVED: 05/08/2026



Groundwater Ground Gas Monitoring

RECEIVED: 05/08/2026

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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

Groundwater Ground Gas Monitoring

RECEIVED: 05/08/2026

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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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. **BH08** Time: 13:30:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH09** Time: 13:55:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH15** Time: 15:25:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH16** Time: 15:05:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH18** Time: 14:45:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Groundwater Ground Gas Monitoring

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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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Borehole No. **BH19** Time: 14:15:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH19A** Time: 14:25:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH23** Time: 15:40:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH25A** Time: 15:55:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH26** Time: 16:15:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Groundwater Ground Gas Monitoring

RECEIVED: 05/08/2026

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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

Groundwater Ground Gas Monitoring

RECEIVED: 05/08/2026

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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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. **BH08** Time: 16:41:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH09** Time: 16:59:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH15** Time:

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (ppm)
30	No access (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: 14:03:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH18** Time: 13:42:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Groundwater Ground Gas Monitoring

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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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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. **BH19** Time: 11:22:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (ppm)
30	No access (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (ppm)
30	No access (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (ppm)
30	No access (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	

Groundwater Ground Gas Monitoring

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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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Borehole No. **BH01** Time: 08:55:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

Groundwater Ground Gas Monitoring

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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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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. **BH08** Time: 10:28:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (ppm)
30	No access (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

Groundwater Ground Gas Monitoring

RECEIVED: 05/08/2026

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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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. **BH19** Time: 11:08:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH19A** Time: 10:57:00

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (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

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

Borehole No. **BH23** Time:

Gas readings					
Time (sec)	CH_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (ppm)
30	No access (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (ppm)
30	No access (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_4 (%)	CO_2 (%)	O_2 (%)	CO (ppm)	H_2S (ppm)
30	No access (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	

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APPENDIX 6

HAZWASTEONLINE WASTE CLASSIFICATION REPORT

Waste Classification Report

RECEIVED: 09/09/2026

HazWasteOnline™ classifies waste as either **hazardous** or **non-hazardous** based on its chemical composition, related legislation and the rules and data defined in the current UK or EU technical guidance (Appendix C) (note that HP 9 Infectious is not assessed). It is the responsibility of the classifier named below to:

a) understand the origin of the waste
b) select the correct List of Waste code(s)
c) confirm that the list of determinands, results and sampling plan are fit for purpose
d) select and justify the chosen metal species (Appendix B)
e) correctly apply moisture correction and other available corrections
f) add the meta data for their user-defined substances (Appendix A)
g) check that the classification engine is suitable with respect to the national destination of the waste (Appendix C)

To aid the reviewer, the laboratory results, assumptions and justifications managed by the classifier are highlighted in pale yellow.

9BV4O-ZHW1F-496K6

Report is invalid if pages are removed.

Job name

King Knocknaccara

Description/Comments

Project

King Knocknaccara

Site

Knocknacarra, Galway

Classified by

Name:
Morgan Valvik
Date:
01 Oct 2025 09:59 GMT
Telephone:
+13475572672

Company:
MKO
MKO, 9C Beckett Way,
Park West Business Park,

HazWasteOnline™ provides a two day, hazardous waste classification course that covers the use of the software and both basic and advanced waste classification techniques. Certification has to be renewed every 3 years.

HazWasteOnline™ Certification: -

Course	Date
Hazardous Waste Classification	-

Purpose of classification

1 - Back Office

Address of the waste

Irish Tranverse Mercator (ITM) coordinates for the centre of the site are X 526636, Y 724682.

Post Code

Description of industry/producer giving rise to the waste

Development of a Large-Scale Residential Development (LRD) for a 10-year planning permission, on a site which extends to 8.74 ha on lands located at Knocknacarra, Galway.

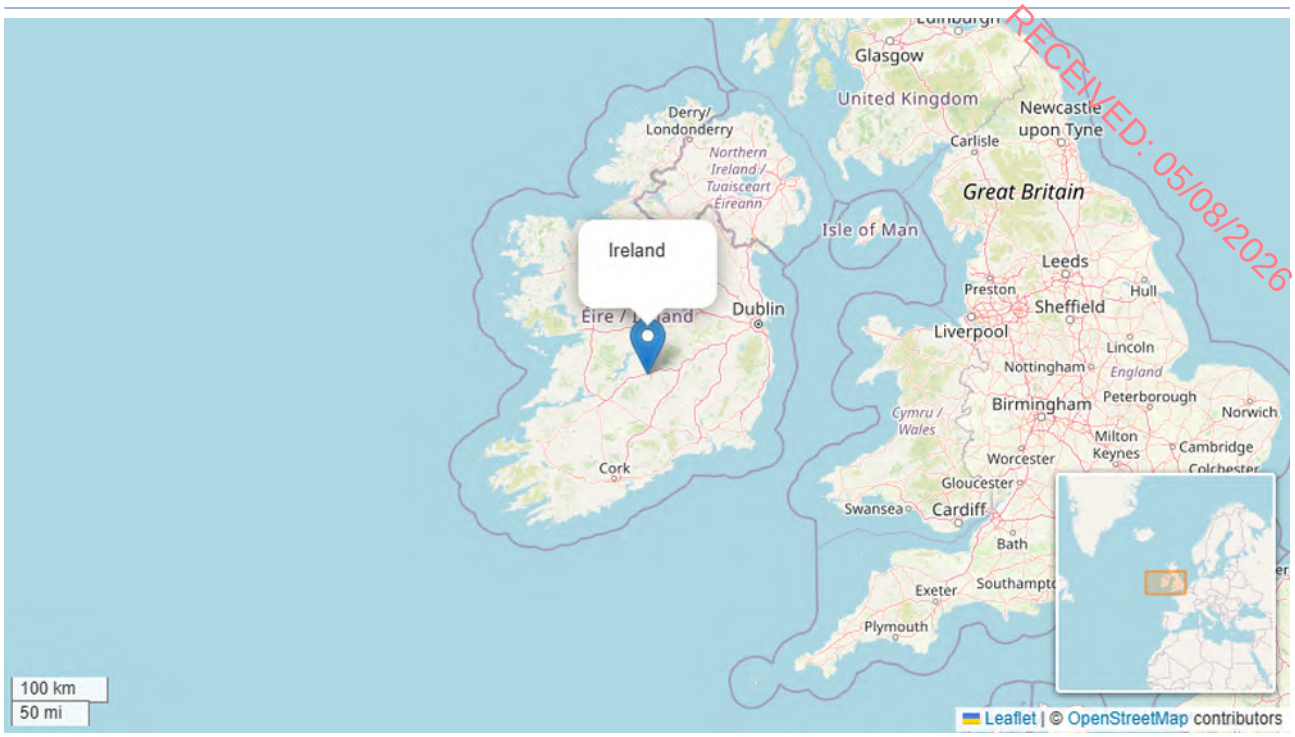
Description of the specific process, sub-process and/or activity that created the waste

Description of the waste

EVALUATION VERSION

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Waste Location



Job summary

#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
1	ETP04	1	Non Hazardous		4
2	ETP06	0.5	Non Hazardous		7
3	TP10a	0.4	Non Hazardous		10
4	TP11	0.5	Non Hazardous		13
5	TP12	0.5	Non Hazardous		16
6	TP13a	0.5	Non Hazardous		19
7	ETP03	0.5	Non Hazardous		22
8	TP04	1	Non Hazardous		25
9	TP05	0.5	Non Hazardous		28
10	TP09	0.5	Non Hazardous		31
11	TP08	0.5	Non Hazardous		34
12	TP14	0.5	Non Hazardous		37
13	BH08	0.5	Non Hazardous		40
14	BH08[2]	1	Non Hazardous		43
15	BH10	0.5	Non Hazardous		46
16	BH11	0.5	Non Hazardous		49
17	ETP01	0.5	Non Hazardous		52
18	ETP02	0.5	Non Hazardous		55
19	ETP02[2]	1	Non Hazardous		58
20	ETP08	0.5	Non Hazardous		61
21	TP01	0.5	Non Hazardous		64
22	TP02	0.5	Non Hazardous		67
23	TP02[2]	1	Non Hazardous		70
24	TP03	0.5	Non Hazardous		73
25	TP03[2]	1	Non Hazardous		76
26	TP06	0.5	Non Hazardous		79
27	TP07	0.5	Non Hazardous		82
28	TP15	0.5	Non Hazardous		85
29	TP16	0.5	Non Hazardous		88
30	TP17	0.5	Non Hazardous		91
31	BH03	1	Non Hazardous		94
32	BH04	0.5	Non Hazardous		97
33	BH05	1	Non Hazardous		100
34	BH07	1	Non Hazardous		103
35	BH12	0.5	Non Hazardous		106
36	BH14	1	Non Hazardous		109
37	BH17	1	Non Hazardous		112
38	ETP05	0.5	Non Hazardous		115

CONSULTATION VERSION

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#	Sample name	Depth [m]	Classification Result	Hazard properties	Page
39	ETP07	0.5	Non Hazardous		118
40	ETP07[2]	1	Non Hazardous		121
41	ETP09	0.5	Non Hazardous		124
42	ETP10	1	Non Hazardous		127
43	ETP11	0.5	Non Hazardous		130
44	TP18	0.5	Non Hazardous		133
45	TP19	0.5	Non Hazardous		136
46	TP20	0.5	Non Hazardous		139
47	BH24	1	Non Hazardous		142
48	SL01	0.85	Non Hazardous		145
49	SL02	1.2	Non Hazardous		148
50	SL03	1.15	Non Hazardous		151
51	SL04	1.4	Non Hazardous		154
52	SL05	1.4	Non Hazardous		157
53	SL06	0.8	Non Hazardous		160
54	SL06[2]	1.6	Non Hazardous		163
55	SL07	1	Non Hazardous		166
56	SL07[2]	2	Non Hazardous		169
57	SL08	1	Non Hazardous		172
58	SL08[2]	2	Non Hazardous		175
59	SL09	1	Non Hazardous		178
60	SL09[2]	2	Non Hazardous		181
61	SL10	1	Non Hazardous		184
62	SL10[2]	2	Non Hazardous		187
63	SL11	1	Non Hazardous		190
64	SL11[2]	2	Non Hazardous		193
65	SL12	1	Non Hazardous		196
66	SL12[2]	2	Non Hazardous		199
67	SL13	0.7	Non Hazardous		202
68	SL13[2]	1.8	Non Hazardous		205
69	SL14	1	Non Hazardous		208
70	SL14[2]	2	Non Hazardous		211
71	SL15	1	Non Hazardous		214
72	SL15[2]	2	Non Hazardous		217
73	ETP04[2]	2	Non Hazardous		220
74	ETP03[2]	1	Non Hazardous		223
75	TP04[2]	0.5	Non Hazardous		226
76	TP09[2]	1	Non Hazardous		229
77	TP16[2]	1	Non Hazardous		232
78	BH07[2]	0.5	Non Hazardous		235

Related documents

#	Name	Description
1	Example worst case waste stream template: 17 05 04 or 17 05 03 *	waste stream template used to create this Job

Report

Created by: Morgan Valvik

Created date: 01 Oct 2025 09:59 GMT

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Appendix B: Rationale for selection of metal species	239
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EVALUATION VERSION

Classification of sample: ETP04

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

RECEIVED: 05/08/2026
EVALUATION VERSION

Sample details

Sample name:
ETP04
Sample Depth:
1 m
Moisture content:
37%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 37% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1	mg/kg	1.197	0.754	mg/kg	0.0000754 %	✓	
3		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3	mg/kg	1.895	3.581	mg/kg	0.000358 %	✓	
4		barium sulfate		231-784-4	7727-43-7		19	mg/kg		11.97	mg/kg	0.0012 %	✓	
5		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.9	mg/kg	5.719	3.243	mg/kg	0.000324 %	✓	
6		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4	mg/kg	1.855	0.467	mg/kg	0.0000467 %	✓	
7		chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		4	mg/kg	4.346	10.952	mg/kg	0.0011 %	✓	
8		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1	mg/kg	2.27	0.143	mg/kg	0.0000143 %	✓	
9		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		31	mg/kg	3.929	76.734	mg/kg	0.00767 %	✓	
10		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	18	mg/kg	1.56	17.688	mg/kg	0.00113 %	✓	
11		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05	mg/kg	1.353	0.0426	mg/kg	0.00000426 %	✓	
12		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		8.7	mg/kg	1.5	8.223	mg/kg	0.000822 %	✓	
13		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		8.7	mg/kg	5.358	29.369	mg/kg	0.00294 %	✓	
14		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		3.1	mg/kg	2.554	4.988	mg/kg	0.000499 %	✓	
15		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		58	mg/kg	2.774	101.367	mg/kg	0.0101 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		<0.005	mg/kg		<0.005	mg/kg	<0.0000005 %		<**LOD**

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0063	mg/kg	0.00000063 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0063	mg/kg	0.00000063 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0063	mg/kg	0.00000063 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0063	mg/kg	0.00000063 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				7.1	pH		7.1	pH	7.1 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.063	mg/kg	0.0000063 %	✓	
			205-883-8	191-24-2									
37		phenol				1.6	mg/kg		1.008	mg/kg	0.000101 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				No							
				NONNAT_MAT									
										Total:	0.0265 %		

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Key

	User supplied data
	Determinand values ignored for classification, see column 'Conc. Not Used' for reason
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
<LOD	Below limit of detection
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.0011%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

benzene (conc.: 6.3e-07%)
toluene (conc.: 6.3e-07%)
ethylbenzene (conc.: 6.3e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 6.3e-07%)

EVALUATION VERSION
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Classification of sample: ETP06

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

RECEIVED: 05/08/2026

Sample details

Sample name:
ETP06
Sample Depth:
0.5 m
Moisture content:
3.6%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 3.6% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.154 mg/kg	0.000115 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.2 mg/kg	1.895	2.192 mg/kg	0.000219 %	✓	
4	barium sulfate		231-784-4	7727-43-7		12 mg/kg		11.568 mg/kg	0.00116 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.3 mg/kg	5.719	1.654 mg/kg	0.000165 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.179 mg/kg	0.0000179 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		2.2 mg/kg	4.346	9.217 mg/kg	0.000922 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.219 mg/kg	0.0000219 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		6.4 mg/kg	3.929	24.241 mg/kg	0.00242 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	16 mg/kg	1.56	24.059 mg/kg	0.00154 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0652 mg/kg	0.00000652 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1 mg/kg	1.5	1.446 mg/kg	0.000145 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		1 mg/kg	5.358	5.165 mg/kg	0.000517 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1.4 mg/kg	2.554	3.447 mg/kg	0.000345 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		22 mg/kg	2.774	58.834 mg/kg	0.00588 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0048 mg/kg	0.000000482 %	✓	

EVALUATION VERSION

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0096	mg/kg	0.000000964 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0096	mg/kg	0.000000964 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0096	mg/kg	0.000000964 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0096	mg/kg	0.000000964 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				8.4	pH		8.4	pH	8.4 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.0964	mg/kg	0.00000964 %	✓	
			205-883-8	191-24-2									
37		phenol				0.3	mg/kg		0.289	mg/kg	0.0000289 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0137 %		

Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

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Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00092%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 4.82e-07%)
benzene (conc.: 9.64e-07%)
toluene (conc.: 9.64e-07%)
ethylbenzene (conc.: 9.64e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 9.64e-07%)

EVALUATION VERSION
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EVALUATION VERSION

Classification of sample: TP10a

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

RECEIVED: 05/08/2026

Sample details

Sample name:
TP10a
Sample Depth:
0.4 m
Moisture content:
13%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 13% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.041 mg/kg	0.000104 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				3.3 mg/kg	1.895	5.439 mg/kg	0.000544 %	✓	
4	barium sulfate		231-784-4	7727-43-7		17 mg/kg		14.79 mg/kg	0.00148 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.9 mg/kg	5.719	4.478 mg/kg	0.000448 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.2 mg/kg	1.855	0.323 mg/kg	0.0000323 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		2.2 mg/kg	4.346	8.319 mg/kg	0.000832 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.197 mg/kg	0.0000197 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		14 mg/kg	3.929	47.856 mg/kg	0.00479 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	22 mg/kg	1.56	29.855 mg/kg	0.00191 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0589 mg/kg	0.00000589 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2 mg/kg	1.5	2.61 mg/kg	0.000261 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		2 mg/kg	5.358	9.323 mg/kg	0.000932 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2 mg/kg	2.554	4.444 mg/kg	0.000444 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		24 mg/kg	2.774	57.924 mg/kg	0.00579 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0043 mg/kg	0.000000435 %	✓	

EVALUATION VERSION

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0087	mg/kg	0.00000087 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0087	mg/kg	0.00000087 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0087	mg/kg	0.00000087 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0087	mg/kg	0.00000087 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				8.5	pH		8.5	pH	8.5 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.087	mg/kg	0.0000087 %	✓	
			205-883-8	191-24-2									
37		phenol				1.7	mg/kg		1.479	mg/kg	0.000148 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				No							
				NONNAT_MAT									
										Total:	0.0179 %		

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Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00083%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 4.35e-07%)
benzene (conc.: 8.7e-07%)
toluene (conc.: 8.7e-07%)
ethylbenzene (conc.: 8.7e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 8.7e-07%)

EVALUATION VERSION
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EVALUATION VERSION

Classification of sample: TP11

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

RECEIVED: 05/08/2026

Sample details

Sample name:
TP11
Sample Depth:
0.5 m
Moisture content:
7.3%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7.3% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.11 mg/kg	0.000111 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.4 mg/kg	1.895	2.459 mg/kg	0.000246 %	✓	
4	barium sulfate		231-784-4	7727-43-7		8.4 mg/kg		7.787 mg/kg	0.000779 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.2 mg/kg	5.719	1.06 mg/kg	0.000106 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.172 mg/kg	0.0000172 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		4.3 mg/kg	4.346	17.324 mg/kg	0.00173 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.21 mg/kg	0.000021 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		13 mg/kg	3.929	47.349 mg/kg	0.00473 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	20 mg/kg	1.56	28.919 mg/kg	0.00185 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0627 mg/kg	0.00000627 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.5 mg/kg	1.5	0.695 mg/kg	0.0000695 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		0.5 mg/kg	5.358	2.484 mg/kg	0.000248 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		3.8 mg/kg	2.554	8.996 mg/kg	0.0009 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		42 mg/kg	2.774	108.009 mg/kg	0.0108 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0046 mg/kg	0.000000464 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0092	mg/kg	0.000000927 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0092	mg/kg	0.000000927 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0092	mg/kg	0.000000927 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0092	mg/kg	0.000000927 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				8.7	pH		8.7	pH	8.7 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.0927	mg/kg	0.00000927 %	✓	
			205-883-8	191-24-2									
37		phenol				0.3	mg/kg		0.278	mg/kg	0.0000278 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0218 %		

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EVALUATION VERSION

Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00173%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 4.64e-07%)
benzene (conc.: 9.27e-07%)
toluene (conc.: 9.27e-07%)
ethylbenzene (conc.: 9.27e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 9.27e-07%)

EVALUATION VERSION
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Classification of sample: TP12

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

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Sample details

Sample name:
TP12
Sample Depth:
0.5 m
Moisture content:
4.5%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 4.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.143 mg/kg	0.000114 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1 mg/kg	1.895	1.809 mg/kg	0.000181 %	✓	
4	barium sulfate		231-784-4	7727-43-7		7 mg/kg		6.685 mg/kg	0.000668 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.2 mg/kg	5.719	1.092 mg/kg	0.000109 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.177 mg/kg	0.0000177 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		3.1 mg/kg	4.346	12.867 mg/kg	0.00129 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.217 mg/kg	0.0000217 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		9.7 mg/kg	3.929	36.397 mg/kg	0.00364 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	15 mg/kg	1.56	22.344 mg/kg	0.00143 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0646 mg/kg	0.00000646 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.5 mg/kg	1.5	0.716 mg/kg	0.0000716 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		0.5 mg/kg	5.358	2.559 mg/kg	0.000256 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		3.3 mg/kg	2.554	8.048 mg/kg	0.000805 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		25 mg/kg	2.774	66.233 mg/kg	0.00662 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0047 mg/kg	0.000000478 %	✓	

EVALUATION VERSION

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0095	mg/kg	0.000000955 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0095	mg/kg	0.000000955 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0095	mg/kg	0.000000955 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0095	mg/kg	0.000000955 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				6.8	pH		6.8	pH	6.8 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			205-883-8	191-24-2									
37		phenol				0.3	mg/kg		0.287	mg/kg	0.0000287 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0154 %		

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Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00129%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 4.78e-07%)
benzene (conc.: 9.55e-07%)
toluene (conc.: 9.55e-07%)
ethylbenzene (conc.: 9.55e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 9.55e-07%)

EVALUATION VERSION
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Classification of sample: TP13a

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

RECEIVED: 05/08/2026

Sample details

Sample name:
TP13a
Sample Depth:
0.5 m
Moisture content:
5.3%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 5.3% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.134 mg/kg	0.000113 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.2 mg/kg	1.895	2.153 mg/kg	0.000215 %	✓	
4	barium sulfate		231-784-4	7727-43-7		5.9 mg/kg		5.587 mg/kg	0.000559 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.2 mg/kg	5.719	1.083 mg/kg	0.000108 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.176 mg/kg	0.0000176 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		3.9 mg/kg	4.346	16.052 mg/kg	0.00161 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.215 mg/kg	0.0000215 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		4.7 mg/kg	3.929	17.488 mg/kg	0.00175 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	10 mg/kg	1.56	14.771 mg/kg	0.000947 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0641 mg/kg	0.00000641 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.4 mg/kg	1.5	0.568 mg/kg	0.0000568 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		0.4 mg/kg	5.358	2.03 mg/kg	0.000203 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2.8 mg/kg	2.554	6.772 mg/kg	0.000677 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		28 mg/kg	2.774	73.559 mg/kg	0.00736 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0047 mg/kg	0.000000474 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0094	mg/kg	0.000000947 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0094	mg/kg	0.000000947 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0094	mg/kg	0.000000947 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0094	mg/kg	0.000000947 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				6.7	pH		6.7	pH	6.7 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.0947	mg/kg	0.00000947 %	✓	
			205-883-8	191-24-2									
37		phenol				0.4	mg/kg		0.379	mg/kg	0.0000379 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0138 %		

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Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00161%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 4.74e-07%)
benzene (conc.: 9.47e-07%)
toluene (conc.: 9.47e-07%)
ethylbenzene (conc.: 9.47e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 9.47e-07%)

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Classification of sample: ETP03

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

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Sample details

Sample name:
ETP03
Sample Depth:
0.5 m
Moisture content:
34%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 34% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	0.79 mg/kg	0.000079 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				11 mg/kg	1.895	13.754 mg/kg	0.00138 %	✓	
4	barium sulfate		231-784-4	7727-43-7		24 mg/kg		15.84 mg/kg	0.00158 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	1.2 mg/kg	5.719	4.53 mg/kg	0.000453 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.8 mg/kg	1.855	2.203 mg/kg	0.00022 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		16 mg/kg	4.346	45.896 mg/kg	0.00459 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.15 mg/kg	0.000015 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		160 mg/kg	3.929	414.908 mg/kg	0.0415 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	31 mg/kg	1.56	31.914 mg/kg	0.00205 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.15 mg/kg	1.353	0.134 mg/kg	0.0000134 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		11 mg/kg	1.5	10.891 mg/kg	0.00109 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		11 mg/kg	5.358	38.901 mg/kg	0.00389 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		11 mg/kg	2.554	18.541 mg/kg	0.00185 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		28 mg/kg	2.774	51.266 mg/kg	0.00513 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0033 mg/kg	0.00000033 %	✓	

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0066	mg/kg	0.00000066 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0066	mg/kg	0.00000066 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0066	mg/kg	0.00000066 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0066	mg/kg	0.00000066 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				6.8	pH		6.8	pH	6.8 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.066	mg/kg	0.0000066 %	✓	
			205-883-8	191-24-2									
37		phenol				2.6	mg/kg		1.716	mg/kg	0.000172 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				No							
				NONNAT_MAT									
										Total:	0.0641 %		

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EVALUATION VERSION

Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00459%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 3.3e-07%)
benzene (conc.: 6.6e-07%)
toluene (conc.: 6.6e-07%)
ethylbenzene (conc.: 6.6e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 6.6e-07%)

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EVALUATION VERSION

Classification of sample: TP04

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

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Sample details

Sample name:
TP04
Sample Depth:
1 m
Moisture content:
35%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 35% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	0.778 mg/kg	0.0000778 %	✓	
3		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.6 mg/kg	1.895	1.97 mg/kg	0.000197 %	✓	
4		barium sulfate		231-784-4	7727-43-7		12 mg/kg		7.8 mg/kg	0.00078 %	✓	
5		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.7 mg/kg	5.719	2.602 mg/kg	0.00026 %	✓	
6		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.4 mg/kg	1.855	0.482 mg/kg	0.0000482 %	✓	
7		chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		5.8 mg/kg	4.346	16.385 mg/kg	0.00164 %	✓	
8		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.148 mg/kg	0.0000148 %	✓	
9		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		54 mg/kg	3.929	137.91 mg/kg	0.0138 %	✓	
10		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	14 mg/kg	1.56	14.194 mg/kg	0.00091 %	✓	
11		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.09 mg/kg	1.353	0.0792 mg/kg	0.00000792 %	✓	
12		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		16 mg/kg	1.5	15.602 mg/kg	0.00156 %	✓	
13		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		16 mg/kg	5.358	55.726 mg/kg	0.00557 %	✓	
14		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		6.8 mg/kg	2.554	11.288 mg/kg	0.00113 %	✓	
15		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		28 mg/kg	2.774	50.489 mg/kg	0.00505 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0032 mg/kg	0.000000325 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0065	mg/kg	0.00000065 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0065	mg/kg	0.00000065 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0065	mg/kg	0.00000065 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0065	mg/kg	0.00000065 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				7	pH		7	pH	7pH		
				PH									
22		naphthalene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.065	mg/kg	0.0000065 %	✓	
			205-883-8	191-24-2									
37		phenol				3.2	mg/kg		2.08	mg/kg	0.000208 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				No							
				NONNAT_MAT									
										Total:	0.0313 %		

Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

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Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00164%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 3.25e-07%)
benzene (conc.: 6.5e-07%)
toluene (conc.: 6.5e-07%)
ethylbenzene (conc.: 6.5e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 6.5e-07%)

EVALUATION VERSION
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EVALUATION VERSION

Classification of sample: TP05

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

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Sample details

Sample name:
TP05
Sample Depth:
0.5 m
Moisture content:
10%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 10% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.077 mg/kg	0.000108 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.8 mg/kg	1.895	4.774 mg/kg	0.000477 %	✓	
4	barium sulfate		231-784-4	7727-43-7		17 mg/kg		15.3 mg/kg	0.00153 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.4 mg/kg	5.719	2.059 mg/kg	0.000206 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.501 mg/kg	0.0000501 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		6.7 mg/kg	4.346	26.208 mg/kg	0.00262 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.204 mg/kg	0.0000204 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		35 mg/kg	3.929	123.765 mg/kg	0.0124 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	20 mg/kg	1.56	28.077 mg/kg	0.0018 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0609 mg/kg	0.00000609 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.6 mg/kg	1.5	3.51 mg/kg	0.000351 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		2.6 mg/kg	5.358	12.538 mg/kg	0.00125 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		5.2 mg/kg	2.554	11.952 mg/kg	0.0012 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		27 mg/kg	2.774	67.412 mg/kg	0.00674 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0045 mg/kg	0.00000045 %	✓	

EVALUATION VERSION

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.009	mg/kg	0.0000009 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.009	mg/kg	0.0000009 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.009	mg/kg	0.0000009 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.009	mg/kg	0.0000009 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				6.8	pH		6.8	pH	6.8 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.09	mg/kg	0.000009 %	✓	
			205-883-8	191-24-2									
37		phenol				1	mg/kg		0.9	mg/kg	0.00009 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.029 %		

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Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00262%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 4.5e-07%)
benzene (conc.: 9.0e-07%)
toluene (conc.: 9.0e-07%)
ethylbenzene (conc.: 9.0e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 9.0e-07%)

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EVALUATION VERSION

Classification of sample: TP09

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

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Sample details

Sample name:
TP09
Sample Depth:
0.5 m
Moisture content:
24%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 24% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
1		asbestos fibres detected (Yes/No)			ACM_FIBRES		No							
2		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1	mg/kg	1.197	0.91	mg/kg	0.000091 %	✓	
3		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				4.8	mg/kg	1.895	6.911	mg/kg	0.000691 %	✓	
4		barium sulfate		231-784-4	7727-43-7		29	mg/kg		22.04	mg/kg	0.0022 %	✓	
5		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	1.1	mg/kg	5.719	4.781	mg/kg	0.000478 %	✓	
6		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.5	mg/kg	1.855	0.705	mg/kg	0.0000705 %	✓	
7		chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		5.1	mg/kg	4.346	16.846	mg/kg	0.00168 %	✓	
8		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1	mg/kg	2.27	0.173	mg/kg	0.0000173 %	✓	
9		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		59	mg/kg	3.929	176.179	mg/kg	0.0176 %	✓	
10		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	36	mg/kg	1.56	42.677	mg/kg	0.00274 %	✓	
11		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.09	mg/kg	1.353	0.0926	mg/kg	0.00000926 %	✓	
12		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		3.5	mg/kg	1.5	3.991	mg/kg	0.000399 %	✓	
13		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		3.5	mg/kg	5.358	14.253	mg/kg	0.00143 %	✓	
14		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		7.5	mg/kg	2.554	14.557	mg/kg	0.00146 %	✓	
15		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		26	mg/kg	2.774	54.817	mg/kg	0.00548 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005	mg/kg		0.0038	mg/kg	0.00000038 %	✓	

EVALUATION VERSION

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0076	mg/kg	0.00000076 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0076	mg/kg	0.00000076 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0076	mg/kg	0.00000076 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0076	mg/kg	0.00000076 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				6.4	pH		6.4	pH	6.4 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.076	mg/kg	0.0000076 %	✓	
			205-883-8	191-24-2									
37		phenol				2.6	mg/kg		1.976	mg/kg	0.000198 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				No							
				NONNAT_MAT									
										Total:	0.0347 %		

Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

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Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00168%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 3.8e-07%)
benzene (conc.: 7.6e-07%)
toluene (conc.: 7.6e-07%)
ethylbenzene (conc.: 7.6e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 7.6e-07%)

EVALUATION VERSION
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EVALUATION VERSION

Classification of sample: TP08

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

RECEIVED: 05/08/2026

Sample details

Sample name:
TP08
Sample Depth:
0.5 m
Moisture content:
14%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.03 mg/kg	0.000103 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1 mg/kg	1.895	1.629 mg/kg	0.000163 %	✓	
4	barium sulfate		231-784-4	7727-43-7		8 mg/kg		6.88 mg/kg	0.000688 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.3 mg/kg	5.719	1.476 mg/kg	0.000148 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.159 mg/kg	0.0000159 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		1.5 mg/kg	4.346	5.607 mg/kg	0.000561 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.195 mg/kg	0.0000195 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		5.8 mg/kg	3.929	19.598 mg/kg	0.00196 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	5.6 mg/kg	1.56	7.512 mg/kg	0.000482 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0582 mg/kg	0.00000582 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.4 mg/kg	1.5	0.516 mg/kg	0.0000516 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		0.4 mg/kg	5.358	1.843 mg/kg	0.000184 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.196 mg/kg	0.00022 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		5 mg/kg	2.774	11.929 mg/kg	0.00119 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0043 mg/kg	0.00000043 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0086	mg/kg	0.00000086 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0086	mg/kg	0.00000086 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0086	mg/kg	0.00000086 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0086	mg/kg	0.00000086 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				6.4	pH		6.4	pH	6.4 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			205-883-8	191-24-2									
37		phenol				1	mg/kg		0.86	mg/kg	0.000086 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.00601 %		

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Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00056%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 4.3e-07%)
benzene (conc.: 8.6e-07%)
toluene (conc.: 8.6e-07%)
ethylbenzene (conc.: 8.6e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 8.6e-07%)

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EVALUATION VERSION

EVALUATION VERSION

Classification of sample: TP14

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

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Sample details

Sample name:
TP14
Sample Depth:
0.5 m
Moisture content:
14%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 14% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.03 mg/kg	0.000103 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				0.9 mg/kg	1.895	1.466 mg/kg	0.000147 %	✓	
4	barium sulfate		231-784-4	7727-43-7		4 mg/kg		3.44 mg/kg	0.000344 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.2 mg/kg	5.719	0.984 mg/kg	0.0000984 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.159 mg/kg	0.0000159 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		0.83 mg/kg	4.346	3.102 mg/kg	0.00031 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.195 mg/kg	0.0000195 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		5.9 mg/kg	3.929	19.936 mg/kg	0.00199 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	7.1 mg/kg	1.56	9.524 mg/kg	0.000611 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0582 mg/kg	0.00000582 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.1 mg/kg	1.5	1.419 mg/kg	0.000142 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		1.1 mg/kg	5.358	5.069 mg/kg	0.000507 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		1 mg/kg	2.554	2.196 mg/kg	0.00022 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		13 mg/kg	2.774	31.015 mg/kg	0.0031 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0043 mg/kg	0.00000043 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0086	mg/kg	0.00000086 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0086	mg/kg	0.00000086 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0086	mg/kg	0.00000086 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0086	mg/kg	0.00000086 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				6.5	pH		6.5	pH	6.5 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.086	mg/kg	0.0000086 %	✓	
			205-883-8	191-24-2									
37		phenol				0.9	mg/kg		0.774	mg/kg	0.0000774 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.00783 %		

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EVALUATION VERSION

Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00031%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 4.3e-07%)
benzene (conc.: 8.6e-07%)
toluene (conc.: 8.6e-07%)
ethylbenzene (conc.: 8.6e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 8.6e-07%)

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Classification of sample: BH08

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

RECEIVED: 05/08/2026

Sample details

Sample name:
BH08
Sample Depth:
0.5 m
Moisture content:
29%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 29% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	0.85 mg/kg	0.000085 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.6 mg/kg	1.895	3.497 mg/kg	0.00035 %	✓	
4	barium sulfate		231-784-4	7727-43-7		19 mg/kg		13.49 mg/kg	0.00135 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.3 mg/kg	5.719	1.218 mg/kg	0.000122 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.395 mg/kg	0.0000395 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		3.3 mg/kg	4.346	10.183 mg/kg	0.00102 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.161 mg/kg	0.0000161 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		16 mg/kg	3.929	44.634 mg/kg	0.00446 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	26 mg/kg	1.56	28.794 mg/kg	0.00185 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.07 mg/kg	1.353	0.0673 mg/kg	0.00000673 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.5 mg/kg	1.5	1.598 mg/kg	0.00016 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		1.5 mg/kg	5.358	5.707 mg/kg	0.000571 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		3.1 mg/kg	2.554	5.621 mg/kg	0.000562 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		24 mg/kg	2.774	47.271 mg/kg	0.00473 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0035 mg/kg	0.000000355 %	✓	

EVALUATION VERSION

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0071	mg/kg	0.00000071 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0071	mg/kg	0.00000071 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0071	mg/kg	0.00000071 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0071	mg/kg	0.00000071 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				7.4	pH		7.4	pH	7.4 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.071	mg/kg	0.0000071 %	✓	
			205-883-8	191-24-2									
37		phenol				0.8	mg/kg		0.568	mg/kg	0.0000568 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0155 %		

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Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00102%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 3.55e-07%)
benzene (conc.: 7.1e-07%)
toluene (conc.: 7.1e-07%)
ethylbenzene (conc.: 7.1e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 7.1e-07%)

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EVALUATION VERSION

Classification of sample: BH08[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

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Sample details

Sample name:
BH08[2]
Sample Depth:
1 m
Moisture content:
23%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 23% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	0.922 mg/kg	0.0000922 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.3 mg/kg	1.895	1.896 mg/kg	0.00019 %	✓	
4	barium sulfate		231-784-4	7727-43-7		13 mg/kg		10.01 mg/kg	0.001 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.2 mg/kg	5.719	0.881 mg/kg	0.0000881 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.143 mg/kg	0.0000143 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		2.8 mg/kg	4.346	9.37 mg/kg	0.000937 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.175 mg/kg	0.0000175 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		7.6 mg/kg	3.929	22.993 mg/kg	0.0023 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	13 mg/kg	1.56	15.614 mg/kg	0.001 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0521 mg/kg	0.00000521 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		0.8 mg/kg	1.5	0.924 mg/kg	0.0000924 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		0.8 mg/kg	5.358	3.301 mg/kg	0.00033 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2.8 mg/kg	2.554	5.506 mg/kg	0.000551 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		19 mg/kg	2.774	40.586 mg/kg	0.00406 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0038 mg/kg	0.000000385 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0077	mg/kg	0.00000077 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0077	mg/kg	0.00000077 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0077	mg/kg	0.00000077 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0077	mg/kg	0.00000077 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				7.6	pH		7.6	pH	7.6 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.077	mg/kg	0.0000077 %	✓	
			205-883-8	191-24-2									
37		phenol				0.4	mg/kg		0.308	mg/kg	0.0000308 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0108 %		

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Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00093%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 3.85e-07%)
benzene (conc.: 7.7e-07%)
toluene (conc.: 7.7e-07%)
ethylbenzene (conc.: 7.7e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 7.7e-07%)

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Classification of sample: BH10

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

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Sample details

Sample name:
BH10
Sample Depth:
0.5 m
Moisture content:
4.5%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 4.5% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.143 mg/kg	0.000114 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.6 mg/kg	1.895	2.895 mg/kg	0.000289 %	✓	
4	barium sulfate		231-784-4	7727-43-7		6.6 mg/kg		6.303 mg/kg	0.00063 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.3 mg/kg	5.719	1.639 mg/kg	0.000164 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.177 mg/kg	0.0000177 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		7 mg/kg	4.346	29.055 mg/kg	0.00291 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.217 mg/kg	0.0000217 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		17 mg/kg	3.929	63.788 mg/kg	0.00638 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	18 mg/kg	1.56	26.813 mg/kg	0.00172 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0646 mg/kg	0.00000646 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2 mg/kg	1.5	2.865 mg/kg	0.000287 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		2 mg/kg	5.358	10.234 mg/kg	0.00102 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		4.8 mg/kg	2.554	11.707 mg/kg	0.00117 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		35 mg/kg	2.774	92.726 mg/kg	0.00927 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0047 mg/kg	0.000000478 %	✓	

EVALUATION VERSION

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0095	mg/kg	0.000000955 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0095	mg/kg	0.000000955 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0095	mg/kg	0.000000955 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0095	mg/kg	0.000000955 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				7.4	pH		7.4	pH	7.4 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.0955	mg/kg	0.00000955 %	✓	
			205-883-8	191-24-2									
37		phenol				0.3	mg/kg		0.287	mg/kg	0.0000287 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				No							
				NONNAT_MAT									
										Total:	0.0242 %		

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Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00291%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 4.78e-07%)
benzene (conc.: 9.55e-07%)
toluene (conc.: 9.55e-07%)
ethylbenzene (conc.: 9.55e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 9.55e-07%)

EVALUATION VERSION
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EVALUATION VERSION

Classification of sample: BH11

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

RECEIVED: 05/08/2026

Sample details

Sample name:
BH11
Sample Depth:
0.5 m
Moisture content:
7%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7% Wet Weight Moisture Correction applied (MC)

#		Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1		asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2		antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.113 mg/kg	0.000111 %	✓	
3		arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.4 mg/kg	1.895	2.467 mg/kg	0.000247 %	✓	
4		barium sulfate		231-784-4	7727-43-7		9.2 mg/kg		8.556 mg/kg	0.000856 %	✓	
5		boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.2 mg/kg	5.719	1.064 mg/kg	0.000106 %	✓	
6		cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.172 mg/kg	0.0000172 %	✓	
7		chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		4.2 mg/kg	4.346	16.976 mg/kg	0.0017 %	✓	
8		chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.211 mg/kg	0.0000211 %	✓	
9		copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		9.1 mg/kg	3.929	33.252 mg/kg	0.00333 %	✓	
10		lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	15 mg/kg	1.56	21.759 mg/kg	0.00139 %	✓	
11		mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0629 mg/kg	0.00000629 %	✓	
12		molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		2.5 mg/kg	1.5	3.488 mg/kg	0.000349 %	✓	
13		nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		2.5 mg/kg	5.358	12.458 mg/kg	0.00125 %	✓	
14		selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		2.9 mg/kg	2.554	6.888 mg/kg	0.000689 %	✓	
15		zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		29 mg/kg	2.774	74.819 mg/kg	0.00748 %	✓	
16		tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0046 mg/kg	0.000000465 %	✓	

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#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0093	mg/kg	0.00000093 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0093	mg/kg	0.00000093 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0093	mg/kg	0.00000093 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0093	mg/kg	0.00000093 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				7.8	pH		7.8	pH	7.8 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.093	mg/kg	0.0000093 %	✓	
			205-883-8	191-24-2									
37		phenol				0.3	mg/kg		0.279	mg/kg	0.0000279 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				No							
				NONNAT_MAT									
										Total:	0.0177 %		

Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

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Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.0017%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 4.65e-07%)
benzene (conc.: 9.3e-07%)
toluene (conc.: 9.3e-07%)
ethylbenzene (conc.: 9.3e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 9.3e-07%)

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Classification of sample: ETP01

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

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Sample details

Sample name:
ETP01
Sample Depth:
0.5 m
Moisture content:
7.1%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 7.1% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	1.112 mg/kg	0.000111 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.1 mg/kg	1.895	3.696 mg/kg	0.00037 %	✓	
4	barium sulfate		231-784-4	7727-43-7		5.9 mg/kg		5.481 mg/kg	0.000548 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.2 mg/kg	5.719	1.063 mg/kg	0.000106 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.1 mg/kg	1.855	0.172 mg/kg	0.0000172 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		4.4 mg/kg	4.346	17.766 mg/kg	0.00178 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.211 mg/kg	0.0000211 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		10 mg/kg	3.929	36.501 mg/kg	0.00365 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	12 mg/kg	1.56	17.389 mg/kg	0.00111 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0629 mg/kg	0.00000629 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		1.6 mg/kg	1.5	2.23 mg/kg	0.000223 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		1.6 mg/kg	5.358	7.965 mg/kg	0.000796 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		3.3 mg/kg	2.554	7.829 mg/kg	0.000783 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		15 mg/kg	2.774	38.658 mg/kg	0.00387 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0046 mg/kg	0.000000464 %	✓	

EVALUATION VERSION

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0092	mg/kg	0.000000929 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0092	mg/kg	0.000000929 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0092	mg/kg	0.000000929 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0092	mg/kg	0.000000929 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				7.5	pH		7.5	pH	7.5 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.0929	mg/kg	0.00000929 %	✓	
			205-883-8	191-24-2									
37		phenol				0.3	mg/kg		0.279	mg/kg	0.0000279 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0136 %		

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Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00178%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 4.65e-07%)
benzene (conc.: 9.29e-07%)
toluene (conc.: 9.29e-07%)
ethylbenzene (conc.: 9.29e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 9.29e-07%)

EVALUATION VERSION
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Classification of sample: ETP02

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

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Sample details

Sample name:
ETP02
Sample Depth:
0.5 m
Moisture content:
61%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 61% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	0.467 mg/kg	0.0000467 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				2.1 mg/kg	1.895	1.552 mg/kg	0.000155 %	✓	
4	barium sulfate		231-784-4	7727-43-7		7.8 mg/kg		3.042 mg/kg	0.000304 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.7 mg/kg	5.719	1.561 mg/kg	0.000156 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		1.7 mg/kg	1.855	1.23 mg/kg	0.000123 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		4.4 mg/kg	4.346	7.458 mg/kg	0.000746 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.0885 mg/kg	0.00000885 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		120 mg/kg	3.929	183.88 mg/kg	0.0184 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	9.8 mg/kg	1.56	5.962 mg/kg	0.000382 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.06 mg/kg	1.353	0.0317 mg/kg	0.00000317 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		52 mg/kg	1.5	30.424 mg/kg	0.00304 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		52 mg/kg	5.358	108.667 mg/kg	0.0109 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		3.2 mg/kg	2.554	3.187 mg/kg	0.000319 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		48 mg/kg	2.774	51.932 mg/kg	0.00519 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.0019 mg/kg	0.000000195 %	✓	

EVALUATION VERSION

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.0039	mg/kg	0.00000039 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.0039	mg/kg	0.00000039 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.0039	mg/kg	0.00000039 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.0039	mg/kg	0.00000039 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				6.2	pH		6.2	pH	6.2 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.039	mg/kg	0.0000039 %	✓	
			205-883-8	191-24-2									
37		phenol				1.8	mg/kg		0.702	mg/kg	0.0000702 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0399 %		

Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."

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Because of determinand:

dichromium tris(chromate); chromium III chromate; chromic chromate (compound conc.: 0.00074%)

HP 3(i): Flammable "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 0.11 mg/kg (0.00001%) because: <LOD

Hazard Statements hit:

Flam. Liq. 2; H225 "Highly flammable liquid and vapour."

Because of determinands:

tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane (conc.: 1.95e-07%)
benzene (conc.: 3.9e-07%)
toluene (conc.: 3.9e-07%)
ethylbenzene (conc.: 3.9e-07%)

Flam. Liq. 3; H226 "Flammable liquid and vapour."

Because of determinand:

xylene (conc.: 3.9e-07%)

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EVALUATION VERSION

Classification of sample: ETP02[2]

Non Hazardous Waste
Classified as **17 05 04**
in the List of Waste

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Sample details

Sample name:
ETP02[2]
Sample Depth:
1 m
Moisture content:
20%
(wet weight correction)

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

Hazard properties

None identified

Determinands

Moisture content: 20% Wet Weight Moisture Correction applied (MC)

#	Determinand	EU CLP index number	EC Number	CAS Number	CLP Note	User entered data	Conv. Factor	Compound conc.	Classification value	MC Applied	Conc. Not Used
1	asbestos fibres detected (Yes/No)			ACM_FIBRES		No					
2	antimony { antimony trioxide }	051-005-00-X	215-175-0	1309-64-4		1 mg/kg	1.197	0.958 mg/kg	0.0000958 %	✓	
3	arsenic { arsenic acid and its salts with the exception of those specified elsewhere in this Annex }	033-005-00-1				1.3 mg/kg	1.895	1.97 mg/kg	0.000197 %	✓	
4	barium sulfate		231-784-4	7727-43-7		15 mg/kg		12 mg/kg	0.0012 %	✓	
5	boron { boric acid; [1] boric acid [2] }	005-007-00-2	233-139-2 [1] 234-343-4 [2]	10043-35-3 [1] 11113-50-1 [2]	11	0.2 mg/kg	5.719	0.915 mg/kg	0.0000915 %	✓	
6	cadmium { cadmium sulfate }	048-009-00-9	233-331-6	10124-36-4		0.3 mg/kg	1.855	0.445 mg/kg	0.0000445 %	✓	
7	chromium in Cr(III) compounds { dichromium tris(chromate); chromium III chromate; chromic chromate }	024-010-00-X	246-356-2	24613-89-6		6.7 mg/kg	4.346	23.296 mg/kg	0.00233 %	✓	
8	chromium in Cr(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex }	024-017-00-8				0.1 mg/kg	2.27	0.182 mg/kg	0.0000182 %	✓	
9	copper { copper sulphate pentahydrate }	029-023-00-4	231-847-6	7758-99-8		31 mg/kg	3.929	97.441 mg/kg	0.00974 %	✓	
10	lead { lead chromate }	082-004-00-2	231-846-0	7758-97-6	1	12 mg/kg	1.56	14.974 mg/kg	0.00096 %	✓	
11	mercury { mercury dichloride }	080-010-00-X	231-299-8	7487-94-7		0.05 mg/kg	1.353	0.0541 mg/kg	0.00000541 %	✓	
12	molybdenum { molybdenum(VI) oxide }	042-001-00-9	215-204-7	1313-27-5		11 mg/kg	1.5	13.202 mg/kg	0.00132 %	✓	
13	nickel { nickel dibromate }	028-053-00-5	238-596-1	14550-87-9		11 mg/kg	5.358	47.153 mg/kg	0.00472 %	✓	
14	selenium { nickel selenate }	028-031-00-5	239-125-2	15060-62-5		5.2 mg/kg	2.554	10.624 mg/kg	0.00106 %	✓	
15	zinc { zinc chromate }	024-007-00-3	236-878-9	13530-65-9		29 mg/kg	2.774	64.36 mg/kg	0.00644 %	✓	
16	tert-butyl methyl ether; MTBE; 2-methoxy-2-methylpropane	603-181-00-X	216-653-1	1634-04-4		0.005 mg/kg		0.004 mg/kg	0.0000004 %	✓	

EVALUATION VERSION

#		Determinand			CLP Note	User entered data		Conv. Factor	Compound conc.		Classification value	MC Applied	Conc. Not Used
		EU CLP index number	EC Number	CAS Number									
17		benzene				0.01	mg/kg		0.008	mg/kg	0.0000008 %	✓	
		601-020-00-8	200-753-7	71-43-2									
18		toluene				0.01	mg/kg		0.008	mg/kg	0.0000008 %	✓	
		601-021-00-3	203-625-9	108-88-3									
19	●	ethylbenzene				0.01	mg/kg		0.008	mg/kg	0.0000008 %	✓	
		601-023-00-4	202-849-4	100-41-4									
20		xylene				0.01	mg/kg		0.008	mg/kg	0.0000008 %	✓	
		601-022-00-9	202-422-2 [1] 203-396-5 [2] 203-576-3 [3] 215-535-7 [4]	95-47-6 [1] 106-42-3 [2] 108-38-3 [3] 1330-20-7 [4]									
21	●	pH				7.9	pH		7.9	pH	7.9 pH		
				PH									
22		naphthalene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
		601-052-00-2	202-049-5	91-20-3									
23	●	acenaphthylene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
			205-917-1	208-96-8									
24	●	acenaphthene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
			201-469-6	83-32-9									
25	●	fluorene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
			201-695-5	86-73-7									
26	●	anthracene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
			204-371-1	120-12-7									
27	●	fluoranthene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
			205-912-4	206-44-0									
28	●	pyrene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
			204-927-3	129-00-0									
29		benzo[a]anthracene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
		601-033-00-9	200-280-6	56-55-3									
30		chrysene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
		601-048-00-0	205-923-4	218-01-9									
31		benzo[b]fluoranthene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
		601-034-00-4	205-911-9	205-99-2									
32		benzo[k]fluoranthene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
		601-036-00-5	205-916-6	207-08-9									
33		benzo[a]pyrene; benzo[def]chrysene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
		601-032-00-3	200-028-5	50-32-8									
34	●	indeno[123-cd]pyrene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
			205-893-2	193-39-5									
35		dibenz[a,h]anthracene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
		601-041-00-2	200-181-8	53-70-3									
36	●	benzo[ghi]perylene				0.1	mg/kg		0.08	mg/kg	0.000008 %	✓	
			205-883-8	191-24-2									
37		phenol				0.3	mg/kg		0.24	mg/kg	0.000024 %	✓	
		604-001-00-2	203-632-7	108-95-2									
38	●	< 2% non-natural materials (Yes/No)				Yes							
				NONNAT_MAT									
										Total:	0.0284 %		

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EVALUATION VERSION

Key

	User supplied data
●	Determinand defined or amended by HazWasteOnline (see Appendix A)
	Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration
CLP: Note 1	Only the metal concentration has been used for classification

Supplementary Hazardous Property Information

HP 2: Oxidizing "waste which may, generally by providing oxygen, cause or contribute to the combustion of other materials"
Force this Hazardous Property to non-hazardous for cumulative determinand results below the threshold of: 1000 mg/kg (0.1%)
because: There isn't enough Metal and Cr(VI) to make the Metal chromate - samples don't have hazardous levels in any case.

Hazard Statements hit:

Ox. Sol. 1; H271 "May cause fire or explosion; strong oxidiser."