

Facility Information Summary

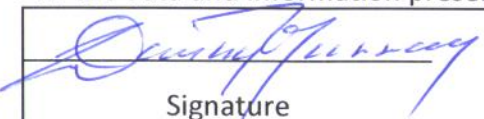
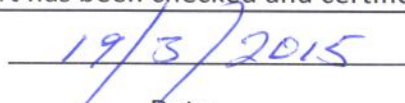
| | |
|-----------------------------------|-------------------------------------|
| AER Reporting Year | 2014 |
| Licence Register Number | P0504-01 |
| Name of site | Bord na Mona Mountdillon |
| Site Location | Mountdillon, Lanesboro, Co Longford |
| NACE Code | 0892 |
| Class/Classes of Activity | 1.4 |
| National Grid Reference (6E, 6 N) | E204720. N268880 |

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year **and an overview of compliance with your licence listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.**

Activities on site can be divided into two components, firstly the milling, harrowing, ridging and harvesting of peat into stockpiles and secondly the transportation of that peat via an internal rail network to the Power Station and lorry outloading facilities. Production achieved was approximately 782781 tonnes. Infrastructurally, there was bog redevelopment works at Coolcraff bog in Cuil na Gun. Works included ditching and levelling on an area of approximately 180 hectares and the construction of appropriately sized silt settlement ponds. There was 1 environmental complaint received during the reporting period, this was reported to the Agency through ALDER. In relation to silt pond cleaning, 100% of ponds received two cleanings with some ponds receiving three. The site was 100% compliant in relation to quarterly grab and dust results. In relation to composite sampling there was 1 breach of the ELV for suspended solids and four trigger level exceedances, two for Ammonia and two for COD. Silt pond capacity was increased by 4633 m3 during the reporting period, 3525 m3 in Mostrim bog and 1110 m3 in Cuil na Gun. Decommissioning and Rehabilitation works are described in an attachment.

Declaration:

All the data and information presented in this report has been checked and certified as being

| | |
|---|--|
|  |  |
| Signature | Date |
| Group/Facility manager (or nominated, suitably qualified and | |

AIR-summary template

Lic No:

#REF!

Year

#REF!

Answer all questions and complete all tables where relevant

- 1 Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables

| Additional information | |
|------------------------|-------------------------|
| No | Fugitive emissions only |

Periodic/Non-Continuous Monitoring

- 2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below
- 3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? [Basic air monitoring checklist](#) [AGN2](#)

| | |
|-----|--|
| No | |
| Yes | |

Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

| Emission reference no: | Parameter/ Substance | Frequency of Monitoring | ELV in licence or any revision thereof | Licence Compliance criteria | Measured value | Unit of measurement | Compliant with licence limit | Method of analysis | Annual mass load (kg) | Comments - reason for change in % mass load from previous year if applicable |
|------------------------|----------------------|-------------------------|--|-----------------------------|----------------|---------------------|------------------------------|--------------------|-----------------------|--|
| | SELECT | | | SELECT | | SELECT | SELECT | SELECT | | |
| | SELECT | | | SELECT | | SELECT | SELECT | SELECT | | |
| | SELECT | | | SELECT | | SELECT | SELECT | SELECT | | |
| | SELECT | | | SELECT | | SELECT | SELECT | SELECT | | |

Note 1: Volumetric flow shall be included as a reportable parameter

| AIR-summary template | | | | Lic No: | #REF! | Year | #REF! |
|-----------------------|--|--|--|---------|-------|------|-------|
| Continuous Monitoring | | | | | | | |

| | | | |
|---|--|----|--|
| 4 | Does your site carry out continuous air emissions monitoring? | No | |
| If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV) | | | |
| 5 | Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below | No | |
| 6 | Do you have a proactive service agreement for each piece of continuous monitoring equipment? | No | |
| 7 | Did your site experience any abatement system bypasses? If yes please detail them in table A3 below | No | |

Table A2: Summary of average emissions -continuous monitoring

| Emission reference no: | Parameter/ Substance | ELV in licence or any revision thereof | Averaging Period | Compliance Criteria | Units of measurement | Annual Emission | Annual maximum | Monitoring Equipment downtime (hours) | Number of ELV exceedences in current reporting year | Comments |
|------------------------|----------------------|--|------------------|---------------------|----------------------|-----------------|----------------|---------------------------------------|---|----------|
| DM-01 | Total Particulates | 350mg/m2/day | 84 | Daily average < ELV | mg/m2/day | 286 | 208 | 0 | 0 | |
| DM-02 | Total Particulates | 350mg/m2/day | 84 | Daily average < ELV | mg/m2/day | 309 | 151 | 0 | 0 | |
| | SELECT | | | | SELECT | | | | | |
| | SELECT | | | | SELECT | | | | | |
| | SELECT | | | | SELECT | | | | | |

note 1: Volumetric flow shall be included as a reportable parameter.

Table A3: Abatement system bypass reporting table

[Bypass protocol](#)

| Date* | Duration** (hours) | Location | Reason for bypass | Impact magnitude | Corrective action |
|-------|--------------------|----------|-------------------|------------------|-------------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

* this should include all dates that an abatement system bypass occurred

** an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

| AIR-summary template | | Lic No: | #REF! | Year | #REF! | | | |
|--|----------------------------------|--|--|---|-------------------------------|-------------------------------------|-----------------------------------|---------------------------------------|
| Solvent use and management on site | | | | | | | | |
| 8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5 | | | | SELECT | | | | |
| Table A4: Solvent Management Plan Summary Total VOC Emission limit value | | Solvent regulations Please refer to linked solvent regulations to complete table 5 and 6 | | | | | | |
| Reporting year | Total solvent input on site (kg) | Total VOC emissions to Air from entire site (direct and fugitive) | Total VOC emissions as %of solvent input | Total Emission Limit Value (ELV) in licence or any revision thereof | Compliance | | | |
| | | | | | SELECT | | | |
| | | | | | SELECT | | | |
| Table A5: Solvent Mass Balance summary | | | | | | | | |
| | (I) Inputs (kg) | (O) Outputs (kg) | | | | | | |
| Solvent | (I) Inputs (kg) | Organic solvent emission in waste | Solvents lost in water (kg) | Collected waste solvent (kg) | Fugitive Organic Solvent (kg) | Solvent released in other ways e.g. | Solvents destroyed onsite through | Total emission of Solvent to air (kg) |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Total | | | | | | | | |

| AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) | | | Lic No: | #REF1 | Year | #REF1 |
|---|--|--|---------|-------|------|-------|
|---|--|--|---------|-------|------|-------|

Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions.
 1 If **you do not have** licenced emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections

Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections
 2

| Additional information | |
|------------------------|---|
| Yes | |
| Yes | Monthly COD analysis of yard runoff is attached in a separate document. |

Table W1 Storm water monitoring

| Location reference | Location relative to site activities | PRTR Parameter | Licensed Parameter | Monitoring date | ELV or trigger level in licence or any revision thereof* | Licence Compliance criteria | Measured value | Unit of measurement | Compliant with licence | Comments |
|--------------------|--------------------------------------|----------------|--------------------|-----------------|--|-----------------------------|----------------|---------------------|------------------------|----------|
| | SELECT | SELECT | SELECT | | | SELECT | | SELECT | SELECT | |
| | SELECT | SELECT | SELECT | | | SELECT | | SELECT | SELECT | |

*trigger values may be agreed by the Agency outside of licence conditions

Table W2 Visual inspections-Please only enter details where contamination was observed.

| Location Reference | Date of inspection | Description of contamination | Source of contamination | Corrective action | Comments |
|--------------------|--------------------|------------------------------|-------------------------|-------------------|----------|
| | | | SELECT | | |
| | | | SELECT | | |

Licensed Emissions to water and /or wastewater(sewer)-periodic monitoring (non-continuous)

Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below
 3

Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box
 4

[External /Internal Lab Quality checklist](#)

[Assessment of results checklist](#)

| Additional information | |
|------------------------|--|
| Yes | |
| Yes | Surface water monitoring was carried out on a quarterly basis. The results of which are attached. Monthly COD yard runoff results are also attached. |
| Yes | |

Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

| Emission reference no: | Emission released to | Parameter/ Substance ^{Note 1} | Type of sample | Frequency of monitoring | Averaging period | ELV or trigger values in licence or any revision thereof ^{Note 2} | Licence Compliance criteria | Measured value | Unit of measurement | Compliant with licence | Method of analysis | Procedural reference source | Procedural reference standard number | Annual mass load (kg) | Comments |
|------------------------|----------------------|--|----------------|-------------------------|------------------|--|-----------------------------|----------------|---------------------|-----------------------------------|---------------------------------|-----------------------------|--------------------------------------|-----------------------|---------------------|
| SW31 Clonadra Bog | Water | Ammonia (as N) | discrete | Quarterly | NA | 1.42 mg/l | All values < Trigger Level | 1.6 | mg/L | no (if no please enter details in | Spectrophotometry (Colorimetry) | APHA / AWWA "Standard | 4500-NH3 | NA | One off Grab sample |
| SW27 Cloontuskert | Water | Ammonia (as N) | discrete | Quarterly | NA | 1.42 mg/l | All values < Trigger Level | 1.7 | mg/L | no (if no please enter details in | Spectrophotometry (Colorimetry) | APHA / AWWA "Standard | 4500-NH3 | NA | One off Grab sample |

Note 1: Volumetric flow shall be included as a reportable parameter

Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)

Lic No:

#REF!

Year

#REF!

Continuous monitoring

5 Does your site carry out continuous emissions to water/sewer monitoring?

| Additional Information | |
|------------------------|--|
| Yes | |

If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

6 Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

| | |
|-----|--|
| Yes | 171 days in 365. See note below |
| Yes | Annual calibration schedule and trouble shooting service |
| No | |

7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

Table W4: Summary of average emissions -continuous monitoring

| Emission reference no: | Emission released to | Parameter/ Substance | ELV or trigger values in licence or any revision thereof | Averaging Period | Compliance Criteria | Units of measurement | Annual Emission for current reporting year (kg) | % change +/- from previous reporting year | Monitoring Equipment downtime (hours) | Number of ELV exceedences in reporting year | Comments |
|------------------------|----------------------|------------------------|--|------------------|--|----------------------|---|---|---------------------------------------|---|---|
| SW62 | Water | Suspended Solids | 35 | 24 hour | All results < 1.5 times ELV, plus 8 from ten results must be < ELV | mg/L | 4435.26 | -18.58% | 4104 | 1 | Down time is usually due to no flow and battery failure issues. However during the reporting year the sampler gave considerable problems due to both software and mechanical breakdowns. Currently a review of all samplers is under way. |
| SW62 | Water | Ammonia (as N) | 1.42 | Weekly | | mg/L | 173.3 | +0.15% | | | |
| SW62 | Water | Total phosphorus | NA | Weekly | NA | mg/L | 7.68 | -20.66% | | | The large % reduction can almost certainly be attributed to the sampler down time during the reporting period |
| SW62 | Water | COD | 100 | Weekly | NA | mg/L | 8087 | -65.73% | | | The large % reduction can almost certainly be attributed to the sampler down time during the reporting period |
| SW62 | Water | volumetric flow | NA | 24 hour | NA | m3/day | 800583 | -41.75% | | | The large % reduction can almost certainly be attributed to the sampler down time during the reporting period |
| SW62 | Water | Total Dissolved Solids | NA | Weekly | NA | mg/L | 70647 | -40.85% | | | The large % reduction can almost certainly be attributed to the sampler down time during the reporting period |

note 1: Volumetric flow shall be included as a reportable parameter.

Table W5: Abatement system bypass reporting table

| Date | Duration (hours) | Location | Resultant emissions | Reason for bypass | Corrective action* | Was a report submitted to the EPA? | When was this report submitted? |
|------|------------------|----------|---------------------|-------------------|--------------------|------------------------------------|---------------------------------|
| | | | | | | SELECT | |
| | | | | | | | |
| | | | | | | | |

*Measures taken or proposed to reduce or limit bypass frequency

| Bund/Pipeline testing template | Lic No: | #REF! | Year | #REF! |
|--------------------------------|---------|-------|------|-------|
|--------------------------------|---------|-------|------|-------|

Bund testing

dropdown menu click to see options

Additional information

Are you required by your licence to undertake integrity testing on bunds and containment structures? If yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to **all bunds which failed the integrity test-all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)

1 Please provide integrity testing frequency period

2 Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)

3 How many bunds are on site?

4 How many of these bunds have been tested within the required test schedule?

5 How many mobile bunds are on site?

6 Are the mobile bunds included in the bund test schedule?

7 How many of these mobile bunds have been tested within the required test schedule?

8 How many sumps on site are included in the integrity test schedule?

9 How many of these sumps are integrity tested within the test schedule?

Please list any sump integrity failures in table B1

10 Do all sumps and chambers have high level liquid alarms?

11 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?

12 Is the Fire Water Retention Pond included in your integrity test programme?

| | |
|------------------|------------|
| Yes | |
| Other (2 Yearly) | |
| Yes | |
| 5 | |
| 5 | All Passed |
| 7 | |
| No | |
| 0 | |
| 0 | |
| 0 | |
| N/A | |
| N/A | |
| N/A | |

Table B1: Summary details of bund /containment structure integrity test

| Bund/Containment structure ID | Type | Specify Other type | Product containment | Actual capacity | Capacity required* | Type of integrity test | Other test type | Test date | Integrity reports maintained on site? | Results of test | Integrity test failure explanation <50 words | Corrective action taken | Scheduled date for retest | Results of retest(if in current reporting year) |
|-------------------------------|--------|--------------------|---------------------|-----------------|--------------------|------------------------|-----------------|-----------|---------------------------------------|-----------------|--|-------------------------|---------------------------|---|
| | SELECT | | | | | SELECT | | | SELECT | SELECT | | SELECT | | |
| | SELECT | | | | | SELECT | | | SELECT | SELECT | | SELECT | | |

* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in

15 line with BS8007/EPA Guidance?

[bundings and storage guidelines](#)

16 Are channels/transfer systems to remote containment systems tested?

17 Are channels/transfer systems compliant in both integrity and available volume?

| | |
|--------|--|
| SELECT | |
| SELECT | |
| SELECT | |

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc? If yes please fill out table 2 below listing all

1 underground structures and pipelines on site **which failed the integrity test and all which have not been tested withing the integrity test period as specified**

2 Please provide integrity testing frequency period

*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

| | |
|------------------|--|
| Yes | Petrol tank Tested Feb 2014 and Passed |
| Other (2 Yearly) | |

Table B2: Summary details of pipeline/underground structures integrity test

| Structure ID | Type system | Material of construction: | Does this structure have Secondary containment? | Type of secondary containment | Type integrity testing | Integrity reports maintained on site? | Results of test | Integrity test failure explanation <50 words | Corrective action taken | Scheduled date for retest | Results of retest(if in current reporting year) |
|--------------|-------------|---------------------------|---|-------------------------------|------------------------|---------------------------------------|-----------------|--|-------------------------|---------------------------|---|
| | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | | | | SELECT |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Please use commentary for additional details not answered by tables/ questions above

| Groundwater/Soil monitoring template | Lic No: | #REF! | Year | #REF! |
|--------------------------------------|---------|-------|------|-------|
|--------------------------------------|---------|-------|------|-------|

| | | Comments |
|--|--------|---|
| 1 Are you required to carry out groundwater monitoring as part of your licence requirements? | no | Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER |
| 2 Are you required to carry out soil monitoring as part of your licence requirements? | no | |
| 3 Do you extract groundwater for use on site? If yes please specify use in comment section | no | |
| 4 Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. | SELECT | Please enter interpretation of data here |
| 5 Is the contamination related to operations at the facility (either current and/or historic) | N/A | |
| 6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site | N/A | |
| 7 Please specify the proposed time frame for the remediation strategy | N/A | |
| 8 Is there a licence condition to carry out/update ELRA for the site? | N/A | |
| 9 Has any type of risk assesment been carried out for the site? | N/A | |
| 10 Has a Conceptual Site Model been developed for the site? | N/A | |
| 11 Have potential receptors been identified on and off site? | N/A | |
| 12 Is there evidence that contamination is migrating offsite? | N/A | |

Table 1: Upgradient Groundwater monitoring results

| Date of sampling | Sample location reference | Parameter/ Substance | Methodology | Monitoring frequency | Maximum Concentration++ | Average Concentration+ | unit | GTV's* | SELECT** | Upward trend in pollutant concentration over last 5 years of monitoring data |
|------------------|---------------------------|----------------------|-------------|----------------------|-------------------------|------------------------|--------|--------|----------|--|
| | | | | | | | SELECT | | | SELECT |
| | | | | | | | SELECT | | | SELECT |

.+ where average indicates arithmetic mean

.++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Table 2: Downgradient Groundwater monitoring results

| Date of sampling | Sample location reference | Parameter/ Substance | Methodology | Monitoring frequency | Maximum Concentration | Average Concentration | unit | GTV's* | SELECT** | Upward trend in yearly average pollutant concentration over last 5 years of monitoring data |
|------------------|---------------------------|----------------------|-------------|----------------------|-----------------------|-----------------------|--------|--------|----------|---|
| | | | | | | | SELECT | | | SELECT |
| | | | | | | | SELECT | | | SELECT |

| Groundwater/Soil monitoring template | | Lic No: | #REF! | Year | #REF! |
|--|-----------------------------------|-----------------------|---|---|--|
| *please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA. | | | Groundwater monitoring template | | |
| More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31) | | | Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013). | | |
| **Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS) | | | Groundwater regulations | Drinking water (private supply) standards | Drinking water (public supply) standards |
| | Surface water EQS | GTV's | Interim Guideline Values (IGV) | | |

| | | | | | |
|--------------------------------------|--|---------|-------|------|-------|
| Groundwater/Soil monitoring template | | Lic No: | #REF! | Year | #REF! |
|--------------------------------------|--|---------|-------|------|-------|

Table 3: Soil results

| Date of sampling | Sample location reference | Parameter/ Substance | Methodology | Monitoring frequency | Maximum Concentration | Average Concentration | unit |
|------------------|---------------------------|----------------------|-------------|----------------------|-----------------------|-----------------------|--------|
| | | | | | | | SELECT |
| | | | | | | | SELECT |

Where additional detail is required please enter it here in 200 words or less

| Environmental Liabilities template | | Lic No: | #REF! | Year | #REF! |
|------------------------------------|--|---------|-------|------|-------|
|------------------------------------|--|---------|-------|------|-------|

[Click here to access EPA guidance on Environmental Liabilities and Financial provision](#)

| | | Commentary | |
|----|---|---------------------------|---------------------------|
| 1 | ELRA initial agreement status | Not a Licence Requirement | |
| 2 | ELRA review status | NA | |
| 3 | Amount of Financial Provision cover required as determined by the latest ELRA | NA | |
| 4 | Financial Provision for ELRA status | NA | |
| 5 | Financial Provision for ELRA - amount of cover | NA | |
| 6 | Financial Provision for ELRA - type | NA | |
| 7 | Financial provision for ELRA expiry date | NA | |
| 8 | Closure plan initial agreement status | NA | Internal Budget Provision |
| 9 | Closure plan review status | NA | Internal Budget Provision |
| 10 | Financial Provision for Closure status | NA | Internal Budget Provision |
| 11 | Financial Provision for Closure - amount of cover | NA | Internal Budget Provision |
| 12 | Financial Provision for Closure - type | NA | Internal Budget Provision |
| 13 | Financial provision for Closure expiry date | NA | |

| Environmental Management Programme/Continuous Improvement Programme template | | | | Lic No: | #REF! | Year | #REF! |
|--|--|--|--|---------|-------|------|-------|
|--|--|--|--|---------|-------|------|-------|

| Highlighted cells contain dropdown menu click to view | | Additional Information | |
|---|---|------------------------|---------------------------|
| 1 | Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information | Yes | Internal unaccredited EMS |
| 2 | Does the EMS reference the most significant environmental aspects and associated impacts on-site | Yes | |
| 3 | Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements | Yes | |
| 4 | Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence | Yes | |

Environmental Management Programme (EMP) report

| Objective Category | Target | Status (% completed) | How target was progressed | Responsibility | Intermediate outcomes |
|-------------------------------|--|----------------------|--|----------------|---|
| Reduction of emissions to Air | <p>Training.Continue to train all employees in environmental matters. Training will be by means of the screening of an environmental DVD, followed by a power point presentation.Hydraulic Harrows.</p> <p>There are currently 7 Hydraulic Harrows in operation in Mountdillon there is no plan to increase this number in 2015</p> <p>Headland Peat Collection. Continue with the collection of headland peat, particularly at dust sensitive locations. <input type="checkbox"/></p> | 90 | In total 134 Personnel received training in 2014. There was a total of 3662 tonnes of headland peat collected in the 2014 season. Seven hydraulic harrows were deployed during the 2014 production season. | Individual | Improved Environmental Management Practices |

| Environmental Management Programme/Continuous Improvement Programme template | | | | Lic No: | #REF! | Year | #REF! |
|--|---|-----|--|--------------|-------|---|-------|
| Waste reduction/Raw material usage efficiency | Waste Streamlining.It is planned to continue with and where possible improve the current waste management service provided by AES Ltd | 100 | Installed a waste management system. Quarterly waste reports are returned for records/filing and waste streams are segregated on site to maximise recycling potential. | Section Head | | Improved Environmental Management Practices | |
| Reduction of emissions to Water | Training. Continue to train all employees in environmental matters. Training will be by means of the screening of an environmental DVD, followed by a power point presentation. | 90 | In total 134 Personnel received training in 2014. There was a total of 3662 tonnes of headland peat collected in the 2014 season. | Individual | | Improved Environmental Management Practices | |
| Materials Handling/Storage/Bunding | Increased bund capacity will be provided where required. Bund integrity testing will be carried out where required. | 80 | There were no additional bund requirements. Bund integrity testing took place at two locations, all tests being successful. | Individual | | Improved Environmental Management Practices | |
| Waste reduction/Raw material usage efficiency | Continue with the recycling of polyethylene. The sourcing of more recycling contractors will be ongoing. | 100 | In total 410.92 tonnes were sent off site for recycling. Procurement also exploring the possibility of securing further recyclers. | Individual | | Improved Environmental Management Practices | |
| Energy Efficiency/Utility conservation | Continue with the implementation process of the Energy Standard 50001. | 100 | The site successfully managed the energy standard 50001. Energy management is ongoing at the site with further external audits due in 2015. | Section Head | | Improved Environmental Management Practices | |
| Groundwater protection | It is proposed to upgrade existing septic tank systems where required. | 90 | Septic tanks are continually being assessed and upgrade works scheduled where required. | Section Head | | Improved Environmental Management Practices | |

| | | | | |
|---------------------------------|---------|-------|------|-------|
| Noise monitoring summary report | Lic No: | #REF! | Year | #REF! |
|---------------------------------|---------|-------|------|-------|

1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below

No

2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?

Noise Guidance note NG4
NA

3 Does your site have a noise reduction plan

NA

4 When was the noise reduction plan last updated?

Enter date

5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

NA

Table N1: Noise monitoring summary

| Date of monitoring | Time period | Noise location (on site) | Noise sensitive location -NSL (if applicable) | LA _{eq} | LA ₉₀ | LA ₁₀ | LA _{max} | Tonal or Impulsive noise* (Y/N) | If tonal /impulsive noise was identified was 5dB penalty applied? | Comments (ex. main noise sources on site, & extraneous noise ex. road traffic) | Is site compliant with noise limits (day/evening/night)? |
|--------------------|-------------|--------------------------|---|------------------|------------------|------------------|-------------------|---------------------------------|---|--|--|
| | | | | | | | | SELECT | SELECT | | SELECT |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

*Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options?

SELECT

** please explain the reason for not taking action/resolution of noise issues?

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No:

#REF!

Year

#REF!

Additional information

1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below

Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information

2 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

3

| | | |
|-----|--------|---|
| | Jul-13 | |
| Yes | | The site secured accreditation to the energy standard 50001 |
| No | | Not a Licence requirement |

| Table R1 Energy usage on site | | | | |
|--|---------------|--------------|--|--|
| Energy Use | Previous year | Current year | Production +/- % compared to previous reporting year** | Energy Consumption +/- % vs overall site production* |
| Total Energy Used (MWHrs) | 24653 | 20482 | -38% | -16.91% |
| Total Energy Generated (MWHrs) | | | | |
| Total Renewable Energy Generated (MWHrs) | | | | |
| Electricity Consumption (MWHrs) | 1649 | 1909.6 | | +15.8% |
| Fossil Fuels Consumption: | | | | |
| Heavy Fuel Oil (m3) | | | | |
| Light Fuel Oil (m3) | 2264 | 1827.824 | | -19.26% |
| Natural gas (m3) | | | | |
| Coal/Solid fuel (metric tonnes) | | | | |
| Peat (metric tonnes) | | | | |
| Renewable Biomass | | | | |
| Renewable energy generated on site | | | | |

* where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

| Table R2 Water usage on site | | | | | Water Emissions | Water Consumption | |
|------------------------------|---|--|---|---|---|--|------------------------|
| | Water extracted Previous year m3/yr. | Water extracted Current year m3/yr. | Production +/- % compared to previous reporting year** | Energy Consumption +/- % vs overall site production* | Volume Discharged back to environment(m³/yr): | Volume used i.e not discharged to environment e.g. released as steam m3/yr | Unaccounted for Water: |
| Water use | | | | | | | |
| Groundwater | | | | | | | |
| Surface water | | | | | | | |
| Public supply | | | | | | | |
| Recycled water | | | | | | | |
| Total | | | | | | | |

* where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

| Table R3 Waste Stream Summary | | | | | |
|-------------------------------|--------|----------|--------------|----------|---------|
| | Total | Landfill | Incineration | Recycled | Other |
| Hazardous (Tonnes) | 10.64 | | 1.26 | 9.38 | |
| Non-Hazardous (Tonnes) | 3155.9 | 29.58 | | 588.77 | 2537.33 |

| Resource Usage/Energy efficiency summary | Lic No: | #REF! | Year | #REF! |
|--|---------|-------|------|-------|
|--|---------|-------|------|-------|

| Table R4: Energy Audit finding recommendations | | | | | | | | |
|--|-----------------|----------------------------------|--------------------|----------------------------|---------------------|----------------|-----------------|---------------------|
| Date of audit | Recommendations | Description of Measures proposed | Origin of measures | Predicted energy savings % | Implementation date | Responsibility | Completion date | Status and comments |
| | | | SELECT | | | | | |
| | | | SELECT | | | | | |
| | | | SELECT | | | | | |

Table R5: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry)please complete the following information

| | Unit ID | Unit ID | Unit ID | Unit ID | Station Total |
|---|---------|---------|---------|---------|---------------|
| Technology | | | | | |
| Primary Fuel | | | | | |
| Thermal Efficiency | | | | | |
| Unit Date of Commission | | | | | |
| Total Starts for year | | | | | |
| Total Running Time | | | | | |
| Total Electricity Generated (GWH) | | | | | |
| House Load (GWH) | | | | | |
| KWH per Litre of Process Water | | | | | |
| KWH per Litre of Total Water used on Site | | | | | |

| | | | | |
|--|---------|-------|------|-------|
| Complaints and Incidents summary template | Lic No: | #REF1 | Year | #REF1 |
|--|---------|-------|------|-------|

| | | | |
|--|--|------------------------|--|
| Complaints | | Additional information | |
| Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below | | Yes | |

| Table 1 Complaints summary | | | | | | | |
|---|----------|-----------------------------|--|--|-------------------|-----------------|---|
| Date | Category | Other type (please specify) | Brief description of complaint (Free txt <20 words) | Corrective action< 20 words | Resolution status | Resolution date | Further information |
| 25/06/2014 | Air | | Complaint of dust from Bord na Mona peatlands affecting a private residence adjacent to the bog. | Bord na Mona land officer visited the location and is currently in discussion with householder re compensation | Ongoing | Not available | It is intended to erect a dust gauge at the site. Personnel reminded of their responsibilities re dust. |
| | SELECT | | | | SELECT | | |
| | SELECT | | | | SELECT | | |
| | SELECT | | | | SELECT | | |
| | SELECT | | | | SELECT | | |
| Total complaints open at start of reporting year | | 0 | | | | | |
| Total new complaints received during reporting year | | 1 | | | | | |
| Total complaints closed during reporting year | | 0 | | | | | |
| Balance of complaints end of reporting year | | 1 | | | | | |

| | | | |
|--|--|------------------------|--|
| Incidents | | Additional information | |
| Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below | | Yes | |

| | |
|--|-------------------------------------|
| *For information on how to report and what constitutes an incident | What is an incident |
|--|-------------------------------------|

| Table 2 Incidents summary | | | | | | | | | | | | | | |
|---------------------------|-----------------------|------------------------|---|----------|-------------------|------------------------------|--|---------------|------------|---|---|-------------------|-----------------|--------------------------|
| Date of occurrence | Incident nature | Location of occurrence | Incident category* please refer to guidance | Receptor | Cause of incident | Other cause (please specify) | Activity in progress at time of incident | Communication | Occurrence | Corrective action<20 words | Preventative action <20 words | Resolution status | Resolution date | Likelihood of recurrence |
| 07/01/2014 | Breach of ELV | SW62 Clooneeny | 1. Minor | Water | Adverse weather | | Normal activities | EPA | New | Inspected internal outfall on 18/01/2014 | Insure all silt ponds are cleaned as per licence requirements | Complete | 03/02/2014 | Medium |
| 02/07/2014 | Fire | Cloonshannagh Bog | 1. Minor | Air | Adverse weather | | Normal activities | EPA | New | Dedicated fire crew extinguished the fire | Increased vigilance with respect to fires. Commencement of fire watches | Complete | 03/07/2014 | Medium |
| 06/10/2014 | Trigger level reached | SW62 Clooneeny | 1. Minor | Water | Adverse weather | | Normal activities | EPA | New | Investigated | NA | Complete | 22/10/2014 | Medium |

| Complaints and Incidents summary template | | | | | | | | | | | | Lic No: | #REF1 | Year | #REF1 |
|---|-----------------------|-------------------|----------|-------|-----------------|--|-------------------|-----|-----------|--|----|----------|------------|--------|-------|
| 13/10/2014 | Trigger level reached | SW62 Clooneeny | 1. Minor | Water | Adverse weather | | Normal activities | EPA | New | Inspected internal outfall on 31/10/2014 | NA | Complete | 05/11/2014 | Medium | |
| 20/10/2014 | Trigger level reached | SW62 Clooneeny | 1. Minor | Water | Adverse weather | | Normal activities | EPA | Recurring | Inspected internal outfall | NA | Complete | 03/11/2014 | Medium | |
| 17/11/2014 | Trigger level reached | SW62 Clooneeny | 1. Minor | Water | Adverse weather | | Normal activities | EPA | Recurring | Inspected internal outfall | NA | Complete | 21/11/2014 | Medium | |
| 04/12/2014 | Trigger level reached | SW31 Cloonadra | 1. Minor | Water | Adverse weather | | Normal activities | EPA | New | Inspected internal outfall on 12/12/2014 | NA | Complete | 07/01/2015 | Medium | |
| 04/12/2014 | Trigger level reached | SW27 Cloontuskert | 1. Minor | Water | Adverse weather | | Normal activities | EPA | New | Inspected internal outfall on 12/12/2014 | NA | Complete | 07/01/2014 | Medium | |
| Total number of incidents current year | | 8 | | | | | | | | | | | | | |
| Total number of incidents previous year | | 7 | | | | | | | | | | | | | |
| % reduction/increase | | -14.28% | | | | | | | | | | | | | |

| | | | | |
|---------------|---------|-------|------|-------|
| WASTE SUMMARY | Lic No: | #REF! | Year | #REF! |
|---------------|---------|-------|------|-------|

Table 4 Environmental monitoring-landfill only [Landfill Manual-Monitoring Standards](#)

| | | | | | | | | |
|---|---|---|---|---|--|---|---|----------|
| Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year + | Was leachate monitored in compliance with LD standard in reporting year | Was Landfill Gas monitored in compliance with LD standard in reporting year | Was SW monitored in compliance with LD standard in reporting year | Have GW trigger levels been established | Were emission limit values agreed with the Agency (ELVs) | Was topography of the site surveyed in reporting year | Has the statement under S53(A)(5) of WMA been submitted in reporting year | Comments |
| | | | | | | | | |

.-+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

Table 5 Capping-Landfill only

| | | | | | | |
|----------------|-------------------------|---|-------------------|---|------------------------------------|----------|
| Area uncapped* | Area with temporary cap | Area with final cap to LD Standard m2 ha, a | Area capped other | Area with waste that should be permanently capped to date under licence | What materials are used in the cap | Comments |
| SELECT UNIT | SELECT UNIT | | | | | |
| | | | | | | |

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9 Is leachate from your site treated in a Waste Water Treatment Plant?

SELECT

10 Is leachate released to surface water? If yes please complete leachate mass load information below

SELECT

| | | | | | | | |
|--|-------------------------------------|-------------------------------------|-------------------------------------|--|----------------------------|------------------------------------|----------|
| Volume of leachate in reporting year(m3) | Leachate (BOD) mass load (kg/annum) | Leachate (COD) mass load (kg/annum) | Leachate (NH4) mass load (kg/annum) | Leachate (Chloride) mass load kg/annum | Leachate treatment on-site | Specify type of leachate treatment | Comments |
| | | | | | | | |

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

Table 7 Landfill Gas-Landfill only

| | | | | |
|---------------------------------------|----------------------------|----------------------------------|---|----------|
| Gas Captured&Treated by LFG System m3 | Power generated (MW / KWh) | Used on-site or to national grid | Was surface emissions monitoring performed during the reporting year? | Comments |
| | | | SELECT | |

| |
|---------------------------|
| Comments on liner type |
| |

**Mountdillon
Decommissioning and Rehabilitation
AER Overview 2014.**

Within the Mountdillon licensed area (P0504-01) rehabilitation was carried out in two areas. Derrycashel Bog: a wetland area was created on 60ha of cutaway (Winter 2014); and in Cloonshannagh: an area of high bog was restored (38ha). Ongoing monitoring of cutaway within the Mountdillon licensing area included the re-survey of cutaway at Mountdillon bog unit. .

Draft rehabilitation plans for the Mountdillon bogs licensed area, including more detailed draft plans for each component bog unit were submitted to the EPA in 2013.

The BNM Ecology Team (who plan and manage rehabilitation) met with the EPA inspectorate in 2013 to outline the general content of the rehab plans and a review process was agreed. This will involve a biannual review and update of plans as well as more detail and finalisation of plans for sites that have been taken out of production.

The plans are currently under review (March-April 2015).

The annual Biodiversity Action Plan review day was held in February 2015 and this included an update on progress of this plan, bog restoration and cutaway rehabilitation for a wide range on statutory and non-statutory consultees including members of the EPA, NPWS, BWI, Bord na Mona, Coillte, Inland Fisheries Ireland, An Taisce, IPCC, Irish Red Grouse Association, Irish Wildlife Trust, NARGC, local game councils, Midland Regional Planning Authority as well as a range of local community groups and Heritage Officers from counties Laois, Offaly, Kildare, Roscommon, Longford, Meath, Galway, Westmeath and Dublin.

A copy of our Biodiversity Action Plan is available to view and download at <http://www.bordnamona.ie/our-company/biodiversity/>

Bord na Mona Mountdillon
IPPC Licence P0504-01

Siltpond Monitoring Frequency & Results

| X | Y | Bog | SW | Monitoring | Sampled | pH | SS | TS | Ammonia | TP | COD | Colour |
|-----------|-----------|---------------|--------|------------|------------|------|----|-----|---------|------|-----|--------|
| 199243.17 | 274640.01 | Curraghroe | SW-20 | Q1 14 | 27/03/2014 | 7.1 | 14 | 178 | 0.89 | 0.05 | 76 | 207 |
| 199241.03 | 275382.10 | Grannaghan | SW-21 | Q1 14 | 27/03/2014 | 7.2 | 6 | 220 | 0.13 | 0.05 | 41 | 181 |
| 199522.07 | 275622.16 | Grannaghan | SW-22 | Q1 14 | 27/03/2014 | 7.8 | 5 | 260 | 0.18 | 0.05 | 51 | 97 |
| 199949.40 | 276004.88 | Grannaghan | SW-22A | Q1 14 | 27/03/2014 | 6.11 | 5 | 102 | 0.83 | 0.06 | 42 | 165 |
| 199698.09 | 276893.88 | Grannaghan | SW-23 | Q1 14 | 27/03/2014 | 7.4 | 5 | 200 | 0.07 | 0.05 | 60 | 186 |
| 199038.96 | 274095.83 | Erenagh | SW-24 | Q1 14 | 27/03/2014 | 7.4 | 8 | 219 | 0.75 | 0.05 | 58 | 114 |
| 203249.23 | 283476.42 | Derrymoylin | SW-2 | Q2 14 | 23/06/2014 | 8.2 | 6 | 352 | 0.02 | 0.05 | 61 | 107 |
| 202651.77 | 284748.83 | Derrymoylin | SW-3 | Q2 14 | 23/06/2014 | 8.1 | 5 | 376 | 0.05 | 0.05 | 35 | 71 |
| 203369.33 | 285381.69 | Derrymoylin | SW-4 | Q2 14 | 23/06/2014 | 7.8 | 5 | 370 | 1.7 | 0.06 | 62 | 109 |
| 203500.28 | 285433.11 | Derrymoylin | SW-5 | Q2 14 | 23/06/2014 | 7.8 | 5 | 488 | 0.76 | 0.05 | 20 | 57 |
| 202994.69 | 279668.44 | Cloonshannagh | SW-8 | Q2 14 | 23/06/2014 | 7.8 | 7 | 454 | 0.07 | 0.05 | 26 | 37 |
| 204457.50 | 279959.37 | Cloonshannagh | SW-9 | Q2 14 | 23/06/2014 | 7.3 | 5 | 326 | 1.2 | 0.05 | 60 | 186 |
| 204693.18 | 280062.24 | Cloonshannagh | SW-9A | Q3 14 | 22/09/2014 | 7.8 | 5 | 394 | 0.13 | 0.05 | 29 | 54 |
| 204893.25 | 280860.61 | Cloonshannagh | SW-10 | Q3 14 | 22/09/2014 | 7.8 | 5 | 387 | 0.11 | 0.3 | 24 | 66 |
| 201541.73 | 272805.72 | Mountdillon | SW-17 | Q3 14 | 22/09/2014 | 7.8 | 10 | 378 | 0.08 | 0.05 | 47 | 68 |
| 201616.81 | 273699.66 | Mountdillon | SW-17A | Q3 14 | 22/09/2014 | 8 | 5 | 398 | 0.1 | 0.05 | 30 | 66 |
| 199917.99 | 273798.51 | Mountdillon | SW-18B | Q3 14 | 22/09/2014 | 7.2 | 5 | 172 | 0.92 | 0.05 | 63 | 231 |
| 198696.43 | 272374.18 | Erenagh | SW-25 | Q3 14 | 22/09/2014 | 7.5 | 5 | 258 | 0.09 | 0.06 | 50 | 148 |
| 198696.31 | 272347.40 | Cloontuskert | SW-26 | Q4 14 | 05/12/2014 | 7.1 | 5 | 122 | 1.7 | 0.05 | 60 | 227 |
| 198682.39 | 271189.62 | Cloontuskert | SW-27 | Q4 14 | 05/12/2014 | 7.1 | 5 | 112 | 1.7 | 0.71 | 58 | 194 |
| 195895.85 | 269701.45 | Clonadra | SW-28 | Q4 14 | 05/12/2014 | 7.9 | 5 | 384 | 0.39 | 0.05 | 41 | 129 |
| 197386.00 | 269672.35 | Clonadra | SW-29 | Q4 14 | 05/12/2014 | 7.4 | 5 | 250 | 0.41 | 0.05 | 66 | 199 |
| 197431.16 | 269547.71 | Clonadra | SW-30 | Q4 14 | 05/12/2014 | 7.4 | 36 | 270 | 0.4 | 0.05 | 100 | 189 |
| 197846.35 | 270246.30 | Moher | SW-31 | Q4 14 | 05/12/2014 | 7.5 | 49 | 328 | 1.6 | 0.05 | 78 | 60 |

| Yard Discharge Results 2014 | | | | | | |
|-----------------------------|---------------------|---------------------|-------------------|-------------------|----------------------|------------------------|
| Licence: P0504-01 | | | | | | |
| Works: Mt Dillon | | | | | | |
| Month | W/Shop SWE 1 COD | W/Shop SWE 2 COD | Yard SWE 1 COD | Yard SWE 2 COD | C na Gun SWE1 COD | P Station SWE 1 COD |
| Jan | 41 | 50 | 39 | 20 | 36 | NF |
| Feb | 54 | 64 | 61 | 33 | 41 | NF |
| Mar | 54 | 62 | 53 | NF | 31 | NF |
| Apr | 40 | 57 | NF | NF | 39 | NF |
| May | 33 | 49 | NF | NF | NF | NF |
| June | NF | NF | NF | NF | NF | NF |
| July | NF | NF | NF | NF | 22 | NF |
| Aug | NF | NF | NF | NF | NF | NF |
| Sep | 33 | 64 | NF | NF | 12 | NF |
| Oct | 32 | 69 | 65 | NF | 26 | NF |
| Nov | 54 | 61 | NF | NF | 27 | NF |
| Dec | NF | NF | NF | NF | NF | NF |

Note: NF denotes no flow at emission point on day of sampling



Environmental Protection Agency

| PRTR# : P0504 | Facility Name : Bord na Mona Lanesboro (Longford) | Filename : P0504_2014.xls | Return Year : 2014 |

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.18

| | |
|-----------------------|------|
| REFERENCE YEAR | 2014 |
|-----------------------|------|

1. FACILITY IDENTIFICATION

| | |
|----------------------------|-----------------------------------|
| Parent Company Name | Bord na Mona Energy Limited |
| Facility Name | Bord na Mona Lanesboro (Longford) |
| PRTR Identification Number | P0504 |
| Licence Number | P0504-01 |

Classes of Activity

| No. | class_name |
|-----|--------------------------------------|
| - | Refer to PRTR class activities below |

| | |
|--|--|
| Address 1 | Mountdillon Group |
| Address 2 | c/o Mountdillon Works |
| Address 3 | Lanesboro |
| Address 4 | |
| | Longford |
| Country | Ireland |
| Coordinates of Location | -7.92868 53.6697 |
| River Basin District | IEGBNISH |
| NACE Code | 0892 |
| Main Economic Activity | Extraction of peat |
| AER Returns Contact Name | Enda Mc Donagh |
| AER Returns Contact Email Address | enda.mcdonagh@bnm.ie |
| AER Returns Contact Position | Head of Environment |
| AER Returns Contact Telephone Number | 0579345911 |
| AER Returns Contact Mobile Phone Number | 0862370816 |
| AER Returns Contact Fax Number | 0579345160 |
| Production Volume | 782781.0 |
| Production Volume Units | Tonnes |
| Number of Installations | 19 |
| Number of Operating Hours in Year | 2232 |
| Number of Employees | 142 |
| User Feedback/Comments | In accordance with licence condition 6.2 of Technical Amendment A, quarterly sampling is now rotated every quarter and therefore suspended solids results are not factored into loading. |
| Web Address | www.bnm.ie |

2. PRTR CLASS ACTIVITIES

| Activity Number | Activity Name |
|-----------------|---------------|
| 50.1 | General |

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

| | |
|---|----|
| Is it applicable? | No |
| Have you been granted an exemption ? | |
| If applicable which activity class applies (as per Schedule 2 of the regulations) ? | |
| Is the reduction scheme compliance route being used ? | |

4. WASTE IMPORTED/ACCEPTED ONTO SITE[Guidance on waste imported/accepted onto site](#)

| | |
|--|----|
| Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ? | No |
|--|----|

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR# : P0504 | Facility Name : Bord na Mona Lanesboro (Longford) | Filename : P0504_2014.xls | Return Year : 2014 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

| RELEASES TO AIR | | | | | Please enter all quantities in this section in KGs | | | |
|-----------------|------|-------------|----------------------------|--|--|-------------------|------------------------|----------------------|
| POLLUTANT | | METHOD | | | QUANTITY | | | |
| No. Annex II | Name | M/C/E | Method Used | | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | Method Code | Designation or Description | | | | | |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

| RELEASES TO AIR | | | | | Please enter all quantities in this section in KGs | | | |
|-----------------|------|--------|-------------|----------------------------|--|-------------------|------------------------|----------------------|
| POLLUTANT | | METHOD | | | QUANTITY | | | |
| | | M/C/E | Method Used | | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| No. Annex II | Name | | Method Code | Designation or Description | | | | |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)

| RELEASES TO AIR | | | | | Please enter all quantities in this section in KGs | | | | |
|-----------------|------|-------|-------------|----------------------------|--|------------------|-------------------|------------------------|----------------------|
| POLLUTANT | | | METHOD | | QUANTITY | | | | |
| Pollutant No. | Name | M/C/E | Method Used | | DM-01 | DM-02 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | Method Code | Designation or Description | Emission Point 1 | Emission Point 2 | | | |
| 210 | Dust | E | OTH | VDI 2119 Blatt 2/Part 2 | 0.0 | 0.0 | 0.04606 | 0.0 | 0.04606 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH₄) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

| | | | | | |
|---|--|-------|-------------|----------------------------|-------------------------------------|
| Landfill: Please enter summary data on the quantities of methane flared and / or utilised | Bord na Mona Lanesboro (Longford) | | | | |
| | T (Total) kg/Year | M/C/E | Method Used | | Facility Total Capacity m3 per hour |
| | | | Method Code | Designation or Description | |
| | Total estimated methane generation (as per site model) | 0.0 | | | N/A |
| | Methane flared | 0.0 | | | 0.0 (Total Flaring Capacity) |
| | Methane utilised in engine/s | 0.0 | | | 0.0 (Total Utilising Capacity) |
| Net methane emission (as reported in Section A above) | 0.0 | | | N/A | |

4.2 RELEASES TO WATERS [Link to previous years emissions data](#)

| PRTR# : P0504 | Facility Name : Bord na Mona Lanesboro (Longford) | Filename : P0504_2014.xls | Return Year : 2014 |

19/03/2015 16:09

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only covers

| RELEASES TO WATERS | | | | | Please enter all quantities in this section in KGs | | | |
|--------------------|------|-------------|-------------|----------------------------|--|-------------------|------------------------|----------------------|
| POLLUTANT | | Method Used | | | QUANTITY | | | |
| No. Annex II | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

| RELEASES TO WATERS | | | | | Please enter all quantities in this section in KGs | | | |
|--------------------|------|-------------|-------------|----------------------------|--|-------------------|------------------------|----------------------|
| POLLUTANT | | Method Used | | | QUANTITY | | | |
| No. Annex II | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

| RELEASES TO WATERS | | | | | Please enter all quantities in this section in KGs | | | | |
|--------------------|------------------|-------|-------------|---------------------------------------|--|-------------------|------------------------|----------------------|-----|
| POLLUTANT | | | | | QUANTITY | | | | |
| Pollutant No. | Name | M/C/E | Method Used | | SW 62 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year | |
| | | | Method Code | Designation or Description | Emission Point 1 | | | | |
| 240 | Suspended Solids | E | OTH | ALPHA,1998,20th Edition, Method 2540D | | 4435.0 | 4435.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION A : PRTR POLLUTANTS

| OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER | | | | | Please enter all quantities in this section in KGs | | | |
|--|------|--------|-------------|----------------------------|--|-------------------|------------------------|----------------------|
| POLLUTANT | | METHOD | | | QUANTITY | | | |
| No. Annex II | Name | M/C/E | Method Used | | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | Method Code | Designation or Description | | | | |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

| OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER | | | | | Please enter all quantities in this section in KGs | | | |
|--|------|--------|-------------|----------------------------|--|-------------------|------------------------|----------------------|
| POLLUTANT | | METHOD | | | QUANTITY | | | |
| Pollutant No. | Name | M/C/E | Method Used | | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | Method Code | Designation or Description | | | | |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

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* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : P0504 | Facility Name : Bord na Mona Lanesboro (Longford) | Filename : P0504_2014.xls | Return Year : 2014 |

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Please enter all quantities on this sheet in Tonnes

0

| Transfer Destination | European Waste Code | Hazardous | Quantity (Tonnes per Year) | Description of Waste | Waste Treatment Operation | Method Used | | Location of Treatment | Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer | Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer | Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY) | Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY) |
|----------------------|---------------------|-----------|----------------------------|---|---------------------------|-------------|--------------------|-----------------------|--|--|--|--|
| | | | | | | M/C/E | Method Used | | | | | |
| Within the Country | 01 01 02 | No | 1438.99 | wastes from mineral non-metalliferous excavation | D1 | E | Volume Calculation | Onsite of generatic | Bord na Mona Energy Ltd,P0504-01 | Mountdillon,Lanesboro,Longford,,Ireland | | |
| Within the Country | 01 01 02 | No | 1098.34 | wastes from mineral non-metalliferous excavation | D1 | M | Weighed | Onsite of generatic | Bord na Mona Energy Ltd,P0504-01 | Mountdillon,Lanesboro,Longford,,Ireland | | |
| Within the Country | 02 01 04 | No | 410.92 | waste plastics (except packaging) | R3 | M | Weighed | Offsite in Ireland | Leinster Environmentals,WP2008/06 | Haggardstown,Dundalk,Louth,,Ireland | | |
| To Other Countries | 11 01 13 | Yes | 0.51 | degreasing wastes containing dangerous substances | R2 | C | Volume Calculation | Abroad | Safety Clean Ltd,99-1 | Tallaght,Dublin,,Ireland | Solvent Recovery Management,PP33345F,Weeland Rd,Knottingly,West Yorks,WF118DZ,United Kingdom | Weeland Rd,Knottingly,West Yorks,WF118DZ,United Kingdom |
| Within the Country | 13 02 05 | Yes | 7.7 | mineral-based non-chlorinated engine, gear and lubricating oils | R1 | C | Volume Calculation | Offsite in Ireland | Enva Ireland Ltd,184-1 | Clonminam Indust Estate,Portlaoise,Laois,,Ireland | Enva Ireland Ltd,184-1,Clonminam Indust Estate,Portlaoise,Laois,,Ireland | Clonminam Indust Estate,Portlaoise,Laois,,Ireland |
| Within the Country | 15 01 01 | No | 2.12 | paper and cardboard packaging | R3 | M | Weighed | Offsite in Ireland | Mulleadys Ltd,S/E 152/2002 | Drumlish,Longford,,Ireland | | |
| Within the Country | 15 01 03 | No | 13.64 | wooden packaging absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by | R1 | M | Weighed | Offsite in Ireland | AES Ltd,053/OY/39/02 | Cappincur,Tullamore,Offaly,,Ireland | | |
| To Other Countries | 15 02 02 | Yes | 0.75 | dangerous substances | R1 | M | Weighed | Abroad | Enva Ireland Ltd,184-1 Clonminam Indust Estate Portlaoise Laois . Ireland | Clonminam Indust Estate,Portlaoise,Laois,,Ireland | Lindenschmidt ,E97095037,Kreuztal,,Germany | Kreuztal,,Germany |
| To Other Countries | 16 01 07 | Yes | 1.68 | oil filters | R4 | C | Volume Calculation | Abroad | Enva Ireland Ltd,184-1 | Clonminam Indust Estate,Portlaoise,Laois,,Ireland | Recycling,51727/1/KD,Hauthalen,,Belgium | Hauthalen,,Belgium |
| Within the Country | 17 04 07 | No | 162.09 | mixed metals | R4 | M | Weighed | Offsite in Ireland | AES Ltd,053/OY/39/02 | Cappincur,Tullamore,Offaly,,Ireland | | |
| Within the Country | 20 03 01 | No | 27.94 | mixed municipal waste | D1 | M | Weighed | Offsite in Ireland | AES Ltd,053/OY/39/02 | Cappincur,Tullamore,Offaly,,Ireland | | |
| Within the Country | 20 03 01 | No | 1.86 | mixed municipal waste | D1 | C | Volume Calculation | Offsite in Ireland | AES Ltd,053/OY/39/02 | Cappincur,Tullamore,Offaly,,Ireland | | |

* Select a row by double-clicking the Description of Waste then click the delete button