| Facility Information Summary | |
|---|---|
| AER Reporting Year | 2013 |
| Licence Register Number | W0199-02 |
| Name of site | Srahmore Peat Repository |
| Site Location | Bangor-Erris, Co Mayo |
| NACE Code | 3821 |
| Class/Classes of Activity | C1, C4, C13 |
| National Grid Reference (6E, 6 N) | 84373.933 323694.525 |
| 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. | This licensed site took in 854.64 tonnes of peat in 2013, which was a decrease of 98% in 2012. This peat was deposited in Bay 2 where new matted roads were laid in 2012 to facilitate deposition, placing and stabilisation. The controlled overflow area in Area 7 was utilised during periods of heavy rainfall. There were no compliants received in 2013 and three breachs in the ELV of 35mg/l at SW4. Overall where loading based on 24 hour composite flow proportional sampling could be calculated, there was a reduction of 67% in Suspended solids and reduction of between 33% and 67% in Ammonia, Nitrites/Nitrates and TP. COD reduced by 48% over 2012, with overall volumetric flow down 21% due to less rainfall. A brief paragraph on bog rehabilitation is attached. |

**Declaration:**

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

| | |
|---|---|
| Signature<br>Group/Facility manager<br>(or nominated, suitably qualified and experienced deputy) | Date |

| AIR-summary template | Lic No: | W0199-02 | Year | 2013 |
|---|---|---|---|---|

**Answer all questions and complete all tables where relevant**

| | | | Additional information |
|---|---|---|---|
| 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 | No | Fugutive Dust 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 | No | |
| 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 | 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 therof | 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: | W0199-02 | Year | 2013 |
|---|---|---|---|---|

## Continuous Monitoring

| | | | |
|---|---|---|---|
| 4 | Does your site carry out continuous air emissions monitoring? | SELECT | |
| | 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 | SELECT | |
| 6 | Do you have a proactive service agreement for each piece of continuous monitoring equipment? | SELECT | |
| 7 | Did your site experience any abatement system bypasses? If yes please detail them in table A3 below | SELECT | |

**Table A2: Summary of average emissions -continuous monitoring**

| Emission reference no: | Parameter/ Substance | ELV in licence or any revision therof | 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/l | 60 | Daily average < ELV | mg/m2/day | 6090 | 144 | 0 | 0 | |
| DM-02 | Total Particulates | 350mg/l | 60 | Daily average < ELV | mg/m2/day | 6780 | 130 | 0 | 0 | |
| DM-03 | Total Particulates | 350mg/l | 60 | Daily average < ELV | mg/m2/day | 8220 | 152 | 0 | 0 | |
| DM-04 | Total Particulates | 350mg/l | 60 | Daily average < ELV | mg/m2/day | 7470 | 145 | 0 | 0 | |
| DM-05 | Total Particulates | 350mg/l | 60 | Daily average < ELV | mg/m2/day | 9060 | 226 | 0 | 0 | |

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: | W0199-02 | Year | 2013 |
|---|---|---|---|---|

## 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

No

**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 therof | 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: W0199-02 Year 2013

| | | | Additional information |
|---|---|---|---|
| 1 | 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. If **you do not have** licenced emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections | Yes | Surface water sampling results attached as permitted by Agency |
| 2 | 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 | Yes | No evidence of contamination noted during weekly inspections |

**Table W1 Storm water monitoring**

| Location reference | Location relative to site activities | PRTR Parameter | Licenced 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)**

| | | | | |
|---|---|---|---|---|
| 3 | Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below | | Yes | There were exceedances at Sw4 of 45, 53 and 56 mg/l on the 13th, 14th and 16th June 2013. These were reported to the Agency and corrective actions applied. |
| 4 | 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 | External /Internal Lab Quality checklist / Assessment of results checklist | Yes | Weekly Grab samples for Sw100 and Sw101, are attached as advised by the EPA |

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

| Emission reference no: | Emission released to | Parameter/ SubstanceNote 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SELECT | SELECT | SELECT | | SELECT | | SELECT | | SELECT | SELECT | SELECT | SELECT | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

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: | W0199-02 | Year | 2013 |
|---|---|---|---|---|

## Continuous monitoring

| | | | Additional Information |
|---|---|---|---|
| 5 | Does your site carry out continuous emissions to water/sewer monitoring? | 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** | No | |
| 7 | Do you have a proactive service contract for each piece of continuous monitoring equipment on site? | Yes | |
| 8 | Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below** | No | |

### 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SW4 | Water | Suspended Solids | 35 | 24 hour | All results < 1.2 times ELV, plus 8 from ten results must be < ELV | mg/L | 1788 | -68 | 0 | 3 | 3 exceedance in ELV |
| SW4 | Water | Ammonia (as N) | NA | 24 hour | NA | mg/L | 3.61 | -67 | 0 | NA | |
| SW5 | Water | COD | NA | Weekly | NA | mg/L | 3797 | -48 | 0 | NA | |
| SW6 | Water | Total Dissolved Solids | NA | Weekly | NA | mg/L | 16221 | -21 | 0 | NA | |
| SW7 | Water | volumetric flow | NA | Weekly | NA | mg/L | 538712995 | -49 | 0 | NA | |
| SW8 | Water | Nitrite (as N) | NA | Weekly | NA | mg/L | 0.1 | -53 | 0 | NA | |
| SW9 | Water | Nitrate (as N) | NA | Weekly | NA | mg/L | 7.97 | -33 | 0 | NA | |
| SW10 | Water | Total phosphorus | NA | Weekly | NA | mg/L | 0.84 | -63 | 0 | NA | |

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: W0199-02 Year 2013

### Bund testing

dropdown menu click to see options

| | | | Additional information |
|---|---|---|---|
| 1 | 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) | Yes | |
| 2 | Please provide integrity testing frequency period | 3 years | |
| 3 | 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) | Yes | |
| 4 | How many bunds are on site? | 0 | All removed from site |
| 5 | How many of these bunds have been tested within the required test schedule? | 0 | All removed from site |
| 6 | How many mobile bunds are on site? | 0 | All removed from site |
| 7 | Are the mobile bunds included in the bund test schedule? | No | |
| 8 | How many of these mobile bunds have been tested within the required test schedule? | 0 | All removed from site |
| 9 | How many sumps on site are included in the integrity test schedule? | 0 | All removed from site |
| 10 | How many of these sumps are integrity tested within the test schedule? | 0 | All removed from site |
| | **Please list any sump integrity failures in table B1** | | |
| 11 | Do all sumps and chambers have high level liquid alarms? | N/A | |
| 12 | If yes to Q11 are these failsafe systems included in a maintenance and testing programme? | N/A | |
| 13 | Is the Fire Water Retention Pond included in your integrity test programme? | 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

| | | | Commentary |
|---|---|---|---|
| 15 | Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? | bunding and storage guidelines | No | Bi- annual as required by licence |
| 16 | Are channels/transfer systems to remote containment systems tested? | | No | |
| 17 | Are channels/transfer systems compliant in both integrity and available volume? | | No | |

### Pipeline/underground structure testing

| | | | |
|---|---|---|---|
| 1 | 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 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** | No | |
| 2 | Please provide integrity testing frequency period | SELECT | |

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

**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: | W0199-02 | Year | 2013 |
|---|---|---|---|---|

| | | | Comments | |
|---|---|---|---|---|
| 1 | Are you required to carry out groundwater monitoring as part of your licence requirements? | yes | GW results are attached | 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. Groundwater monitoring template | yes | This site has ceased operation, has been decommissioned and is currently being monitored for stabilisation and rehabilitation. Ammonia | |
| 5 | Is the contamination related to operations at the facility (either current and/or historic) | no | No Contamination on site | |
| 6 | Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site | no | No Contamination on site | |
| 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 | | The groundwater results are attached and include the last three years results during and after activities. |

**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: | W0199-02 | Year | 2013 |
|---|---|---|---|---|

| | |
|---|---|
| *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) | Surface water EQS | Groundwater regulations GTV's | Drinking water (private supply) standards | Drinking water (public supply) standards | Interim Guideline Values (IGV) |

| **Groundwater/Soil monitoring template** | Lic No: | W0199-02 | Year | 2013 |
|---|---|---|---|---|

**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: | W0199-02 | Year | 2013 |
|---|---|---|---|---|

Click here to access EPA guidance on Environmental Liabilities and Financial provision

| | | | Commentary |
|---|---|---|---|
| 1 | ELRA initial agreement status | Submitted and agreed by EPA | |
| 2 | ELRA review status | Review required and not completed; | |
| 3 | Amount of Financial Provision cover required as determined by the latest ELRA | 1761136 | |
| 4 | Financial Provision for ELRA status | Submitted and agreed by EPA | |
| 5 | Financial Provision for ELRA - amount of cover | 1761136 | |
| 6 | Financial Provision for ELRA - type | bond | |
| 7 | Financial provision for ELRA expiry date | 04/11/2014 | |
| 8 | Closure plan initial agreement status | Closure plan submitted and agreed by EPA | |
| 9 | Closure plan review status | Review required and not completed | |
| 10 | Financial Provision for Closure status | Submitted and agreed by EPA | |
| 11 | Financial Provision for Closure - amount of cover | 1761136 | |
| 12 | Financial Provision for Closure - type | bond | |
| 13 | Financial provision for Closure expiry date | 04/11/2014 | |

| Environmental Management Programme/Continuous Improvement Programme template | | Lic No: | W0199-02 | Year | 2013 |
|---|---|---|---|---|---|

| | 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 unaccrediated 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 Water | On-going programme during the life of the project and as part of aftercare & maintenance. | 90 | The inspections and monitoring of these emissions were continued during 2013 and are retained on site for inspection. | Individual | Reduced emissions |
| Reduction of emissions to Air | Reduction of fugitive dust emissions during all operations | 90 | Site Operations completed in | Individual | Reduced emissions |
| Reduction of emissions to Air | Protection of Dust sensitive areas. | 90 | Site Operations completed in | Individual | Reduced emissions |
| Waste reduction/Raw material usage efficiency | The reuse of all silt pond wastes. | 50 | As all peat wastes accepted and generated at the site are for landfilling purposes, there is no further use for the silt pond cleanings. These will be incorporated into the peat deposited or if of benefit will be used in the final rehabilitation. | Individual | Increased compliance with licence conditions |
| Materials Handling/Storage/Bunding | Effective spill/leak management of mobile fuelling units. | 90 | All fuel tanks have been removed from site. | Individual | Improved Environmental Management Practices |

| Environmental Management Programme/Continuous Improvement Programme template | | | Lic No: | W0199-02 | Year 2013 |
|---|---|---|---|---|---|
| Materials Handling/Storage/Bunding | To manage of any dangerous substances as listed in I & II of the Dangerous Substances Directive 80/68/EEC | 90 | The three oil interceptors and one grit trap were all cleaned by Enva post final deposition. | Individual | Increased compliance with licence conditions |
| Reduction of emissions to Water | Effective management of flow discharges during periods of high precipitation and flooding. | 90 | The manual operation of the overflow valve continued in 2013 with flow directed to the controlled overflow area during predicted periods of heavy rain as advised by Met.ie. | Individual | Reduced emissions |
| Waste reduction/Raw material usage efficiency | Reuse of stone used in internal haul-road construction. | 0 | The stone peat haulage roads will have to be retained on site for 3 – 5 years so that access can be maintained to the bays for maintenance of drainage, monitoring and assessment. | Individual | Improved Environmental Management Practices |

| Resource Usage/Energy efficiency summary | Lic No: | W0199-02 | Year | 2013 |
|---|---|---|---|---|

| | | | Additional information |
|---|---|---|---|
| 1 | When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below | Not a licence requirement | |
| 2 | 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 | Yes | SEAI - Large Industry Energy Network (LIEN) |
| 3 | Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information | No | No Boiler on site |

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) | 651.47 | 95.69 | -98% | -85% |
| Total Energy Generated (MWHrs) | | | | |
| Total Renewable Energy Generated (MWHrs) | | | | |
| Electricity Consumption (MWHrs) | 66.035 | 39.067 | -98% | -40.90% |
| Fossil Fuels Consumption: | | | | |
| Heavy Fuel Oil (m3) | | | | |
| Light Fuel Oil (m3) | 57.616 | 4.709 | -98% | -91% |
| 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 use | 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($m^3$yr): | Volume used i.e not discharged to environment e.g. released as steam m3/yr | Unaccounted for Water: |
| 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) | 43930 | 43930 | | | |
| Non-Hazardous (Tonnes) | 2736.3 | 2150 | | 500 | 86.3 |

**Resource Usage/Energy efficiency summary** Lic No: W0199-02 Year 2013

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: W0199-02 Year 2013

### Complaints

| 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 | | Additional information |
|---|---|---|
| | No | |

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

| | |
|---|---|
| Total complaints open at start of reporting year | |
| Total new complaints received during reporting year | |
| Total complaints closed during reporting year | |
| Balance of complaints end of reporting year | |

### Incidents

| Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below | | Additional information |
|---|---|---|
| | 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 reoccurence |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13/06/2013 | Breach of ELV | Licenced discharge point (typ | 1. Minor | Water | Adverse weather | | Normal activities | EPA | New | Occurance due to emissions during silt pond maintenance operations | Redefination of procedured to be used during maintenance of these silt ponds. | Complete | 17/06/2013 | Low |
| 14/06/2013 | Breach of ELV | Licenced discharge point (typ | 1. Minor | Water | Adverse weather | | Normal activities | EPA | New | Occurance due to emissions during silt pond maintenance operations | Redefination of procedured to be used during maintenance of these silt ponds. | SELECT | 17/06/2013 | Low |

| Complaints and Incidents summary template | | | | | Lic No: | W0199-02 | | Year | 2013 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16/06/2013 | Breach of ELV | Licenced discharge point (typ | 1. Minor | Water | Adverse weather | | Normal activities | EPA | New | Occurance due to emissions during silt pond maintenance operations | Redefination of procedured to be used during maintenance of these silt ponds. | Complete | 17/06/2013 | Low |
| | SELECT | SELECT | SELECT | SELECT | SELECT | | SELECT | SELECT | SELECT | | | SELECT | | SELECT |
| | SELECT | SELECT | SELECT | SELECT | SELECT | | SELECT | SELECT | SELECT | | | SELECT | | SELECT |

| | |
|---|---|
| Total number of incidents current year | 3 |
| Total number of incidents previous year | 5 |
| % reduction/ increase | -40 |

**WASTE SUMMARY** Lic No: W0199-02 Year 2013

**SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES** PRTR facility logon dropdown list click to see options

**SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES**

| | | | Additional Information |
|---|---|---|---|
| 1 | Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is to be captured through PRTR reporting) If yes please enter details in table 1 below | SELECT | |
| 2 | Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information | SELECT | |
| 3 | Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information | SELECT | |

**Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)**

| Licenced annual tonnage limit for your site (total tonnes/annum) | EWC code<br>European Waste Catalogue EWC codes | Source of waste accepted | Description of waste accepted **Please enter an accurate and detailed description - which applies to relevant EWC code**<br>European Waste Catalogue EWC codes | Quantity of waste accepted in current reporting year (tonnes) | Quantity of waste accepted in previous reporting year (tonnes) | Reduction/ Increase over previous year +/ - % | Reason for reduction/ increase from previous reporting year | Packaging Content (%)- only applies if the waste has a packaging component | Disposal/Recovery or treatment operation carried out at your site and the description of this operation | Quantity of waste remaining on site at the end of reporting year (tonnes) | Comments - |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

**SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES**

| | | |
|---|---|---|
| 4 | Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite | SELECT |
| 5 | Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site | SELECT |
| 6 | Does your facility have relevant nuisance controls in place? | SELECT |
| 7 | Do you have an odour management system in place for your facility? If no why? | SELECT |
| 8 | Do you maintain a sludge register on site? | SELECT |

**SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY**

**Table 2 Waste type and tonnage-landfill only**

| Waste types permitted for disposal | Authorised/licenced annual intake for disposal (tpa) | Actual intake for disposal in reporting year (tpa) | Remaining licensed capacity at end of reporting year (m3) | Comments |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**Table 3 General information-Landfill only**

| Area ID | Date landfilling commenced | Date landfilling ceased | Currently landfilling | Private or Public Operated | Inert or non-hazardous | Predicted date to cease landfilling | Licence permits asbestos | Is there a separate cell for asbestos? | Accepted asbestos in reporting year | Total disposal area occupied by waste | Lined disposal area occupied by waste | Unlined area |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | SELECT UNIT | SELECT UNIT | SELECT UNIT |
| Cell 8 | | | | | | | | | | | | |

| WASTE SUMMARY | Lic No: | W0199-02 | Year | 2013 |
|---|---|---|---|---|

## Table 4 Environmental monitoring-landfill only

Landfill Manual-Monitoring Standards

| Was meterological 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 |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

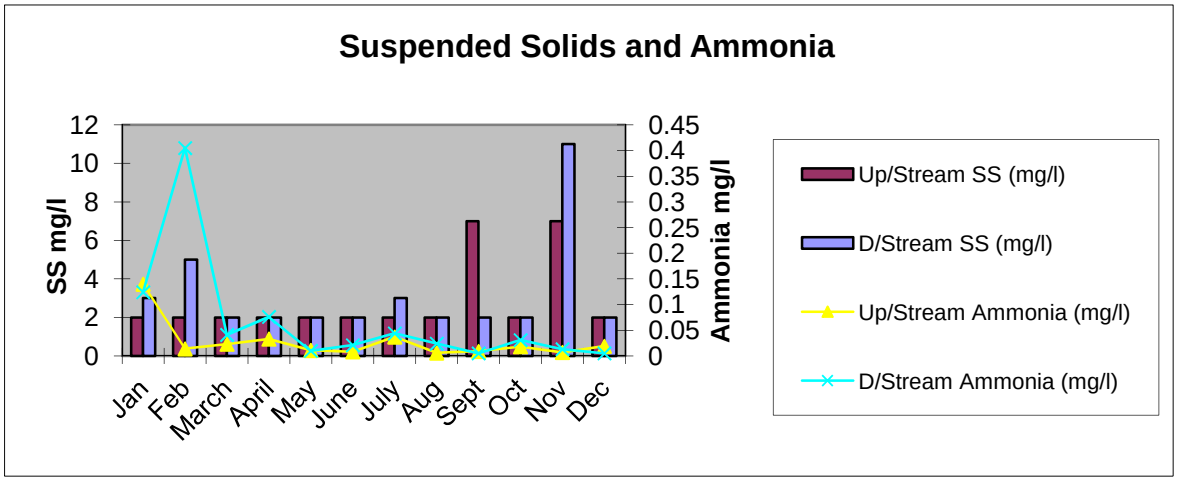
Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

## 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 |
| --- |
| |

| Srahmore Waste Licence W199-02 | | Munhin River | | | |
|---|---|---|---|---|---|
| 2013 | | | | | |
| Month: | Date | Up/Stream | | D/Stream | |
| | | SS (mg/l) | Ammonia (mg/l) | SS (mg/l) | Ammonia (mg/l) |
| Jan | 07/01/2013 | 2 | 0.14 | 3 | 0.124 |
| Feb | 04/02/2013 | 2 | 0.014 | 5 | 0.405 |
| March | 04/03/2013 | 2 | 0.023 | 2 | 0.041 |
| April | 08/04/2013 | 2 | 0.033 | 2 | 0.076 |
| May | 06/05/2013 | 2 | 0.011 | 2 | 0.01 |
| June | 04/06/2013 | 2 | 0.008 | 2 | 0.021 |
| July | 08/07/2013 | 2 | 0.037 | 3 | 0.044 |
| Aug | 05/08/2013 | 2 | 0.006 | 2 | 0.024 |
| Sept | 02/09/2013 | 7 | 0.009 | 2 | 0.005 |
| Oct | 07/10/2013 | 2 | 0.018 | 2 | 0.031 |
| Nov | 04/11/2013 | 7 | 0.007 | 11 | 0.013 |
| Dec | 03/12/2013 | 2 | 0.019 | 2 | 0.005 |
| | | | | | |



| Srahmore Waste Licence W199-02 | | | | SW100 | | |
|---|---|---|---|---|---|---|
| **Month: January 2013 - First Quarter** | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | 7.2 | 2 | 41 | 0.042 | 82.1 | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | 7 | 2 | 35 | 0.038 | 77.5 | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | 7.3 | 2 | 47 | 0.023 | 65.2 | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | 6.6 | 2 | 42 | 0.022 | 69.5 | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW100 | | | |
|---|---|---|---|---|---|---|
| **Month: February 2013 - First Quarter** | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | 6.8 | 2 | 18 | 0.012 | 138 | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | 6.3 | 2 | 14 | 0.023 | 146 | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | No sample due to no flow | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | No sample due to no flow | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW100 | | | |
|---|---|---|---|---|---|---|
| **Month: March 2013 - First Quarter** | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | No sample due to no flow | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | No sample due to no flow | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | 7.1 | 2 | 19 | 0.006 | 162 | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | 6 | 2 | 14 | 0.188 | 115 | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW100 | | | |
|---|---|---|---|---|---|---|
| Month: April 2013 - Second Quarter | | | | | | |
| Date | pH (pH units) | SS (mg/l) | COD (mg/l) | Total Ammonia (mg/l) | Conductivity (20c uS/cm) | Non-Compliance None >42 mg/l |
| 1 | No sample due to no flow | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | No sample due to no flow | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | 6.7 | 2 | 10 | 0.012 | 135 | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | 7.1 | 2 | 22 | 0.018 | 133 | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | 6.7 | 3 | 54 | 0.05 | 115 | |
| 30 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW100 | | | |
|---|---|---|---|---|---|---|
| Month: May 2013 - Second Quarter | | | | | | |
| Date | pH (pH units) | SS (mg/l) | COD (mg/l) | Total Ammonia (mg/l) | Conductivity (20c uS/cm) | Non-Compliance None >42 mg/l |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | 6.2 | 2 | 35 | 0.005 | 107 | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | 5.5 | 2 | 39 | 0.005 | 189 | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | 6.9 | 2 | 10 | 0.008 | 87.1 | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | 6.8 | 2 | 33 | 0.005 | 88.8 | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW100 | | | |
|---|---|---|---|---|---|---|
| Month: June 2013 - Second Quarter | | | | | | |
| Date | pH (pH units) | SS (mg/l) | COD (mg/l) | Total Ammonia (mg/l) | Conductivity (20c uS/cm) | Non-Compliance None >42 mg/l |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | No sample due to no flow | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | No sample due to no flow | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | No sample due to no flow | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | 7 | 10 | 10 | 0.046 | 109 | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW100 | | | |
|---|---|---|---|---|---|---|
| Month: July 2013 - Third Quarter | | | | | | |
| Date | pH (pH units) | SS (mg/l) | COD (mg/l) | Total Ammonia (mg/l) | Conductivity (20c uS/cm) | Non-Compliance None >42 mg/l |
| 1 | No sample due to no flow | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | No sample due to no flow | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | No sample due to no flow | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | No sample due to no flow | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | No sample due to no flow | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW100 | | | |
|---|---|---|---|---|---|---|
| Month: August 2013 - Third Quarter | | | | | | |
| Date | pH (pH units) | SS (mg/l) | COD (mg/l) | Total Ammonia (mg/l) | Conductivity (20c uS/cm) | Non-Compliance None >42 mg/l |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | 6.4 | 2 | 24 | 0.065 | 109 | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | No sample due to no flow | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | 6.8 | 2 | 42 | 0.077 | 105 | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | 6.8 | 2 | 62 | 0.014 | 115 | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW100 | | | |
|---|---|---|---|---|---|---|
| Month: Sept 2013 - Third Quarter | | | | | | |
| Date | pH (pH units) | SS (mg/l) | COD (mg/l) | Total Ammonia (mg/l) | Conductivity (20c uS/cm) | Non-Compliance None >42 mg/l |
| 1 | | | | | | |
| 2 | No sample due to no flow | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | 7 | 2 | 32 | 0.009 | 121 | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | 6.8 | 2 | 64 | 0.005 | 107 | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | No sample due to no flow | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | No sample due to no flow | | | | | |

| Srahmore Waste Licence W199-02 | | | | SW100 | | |
|---|---|---|---|---|---|---|
| **Month: Oct 2013 - Fourth Quarter** | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | No sample due to no flow | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | No sample due to no flow | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | No sample due to no flow | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | 6.7 | 2 | 46 | 0.01 | 101 | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | | SW100 | | |
|---|---|---|---|---|---|---|
| **Month: Nov 2013 - Fourth Quarter** | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | 6.5 | 7 | 39 | 0.015 | 97.2 | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | 6.9 | 2 | 91 | 0.012 | 106 | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | 6.4 | 2 | 51 | 0.036 | 104 | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | 6.3 | 2 | 33 | 0.075 | 102 | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |

| Srahmore Waste Licence W199-02 | | | | SW100 | | |
|---|---|---|---|---|---|---|
| **Month: Dec 2013 - Fourth Quarter** | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | 6.7 | 2 | 30 | 0.029 | 106 | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | 6.4 | 2 | 32 | 0.182 | 108 | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 16 | 6.3 | 9 | 68 | 0.16 | 162 | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | 6.5 | 2 | 12 | 0.016 | 180 | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | 6.9 | 6 | 13 | 0.018 | 182 | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW101 | | | |
|---|---|---|---|---|---|---|
| Month: January 2013 - First Quarter | | | | | | |
| Date | pH (pH units) | SS (mg/l) | COD (mg/l) | Total Ammonia (mg/l) | Conductivity (20c uS/cm) | Non-Compliance None >42 mg/l |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | 6.6 | 65 | 338 | 0.098 | 74.7 | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | No sample due to no flow | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | No sample due to no flow | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | No sample due to no flow | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW101 | | | |
|---|---|---|---|---|---|---|
| **Month: February 2013 - First Quarter** | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | No sample due to no flow | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | No sample due to no flow | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | No sample due to no flow | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | No sample due to no flow | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW101 | | | |
|---|---|---|---|---|---|---|
| **Month: March 2013 - First Quarter** | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | No sample due to no flow | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | No sample due to no flow | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | No sample due to no flow | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | No sample due to no flow | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW101 | | | |
|---|---|---|---|---|---|---|
| Month: April 2013 - Second Quarter | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | No sample due to no flow | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | No sample due to no flow | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | No sample due to no flow | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | No sample due to no flow | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | No sample due to no flow | | | | | |
| 30 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW101 | | | |
|---|---|---|---|---|---|---|
| Month: May 2013 - Second Quarter | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | No sample due to no flow | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | No sample due to no flow | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | No sample due to no flow | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | No sample due to no flow | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | | SW101 | | |
|---|---|---|---|---|---|---|
| Month: June 2013 - Second Quarter | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | No sample due to no flow | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | No sample due to no flow | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | No sample due to no flow | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | No sample due to no flow | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |

| Srahmore Waste Licence W199-02 | | | | SW101 | | |
|---|---|---|---|---|---|---|
| **Month: July 2013 - Third Quarter** | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | No sample due to no flow | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | No sample due to no flow | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | No sample due to no flow | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | No sample due to no flow | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | No sample due to no flow | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | | SW101 | | |
|---|---|---|---|---|---|---|
| **Month: August 2013 - Third Quarter** | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | No sample due to no flow | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | No sample due to no flow | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | No sample due to no flow | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | No sample due to no flow | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | SW101 | | | |
|---|---|---|---|---|---|---|
| Month: Sept 2013 - Third Quarter | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | No sample due to no flow | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | No sample due to no flow | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | No sample due to no flow | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | No sample due to no flow | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | No sample due to no flow | | | | | |

| Srahmore Waste Licence W199-02 | | | | SW101 | | |
|---|---|---|---|---|---|---|
| Month: Oct 2013 - Fourth Quarter | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | No sample due to no flow | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | No sample due to no flow | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | No sample due to no flow | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | No sample due to no flow | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |
| 31 | | | | | | |

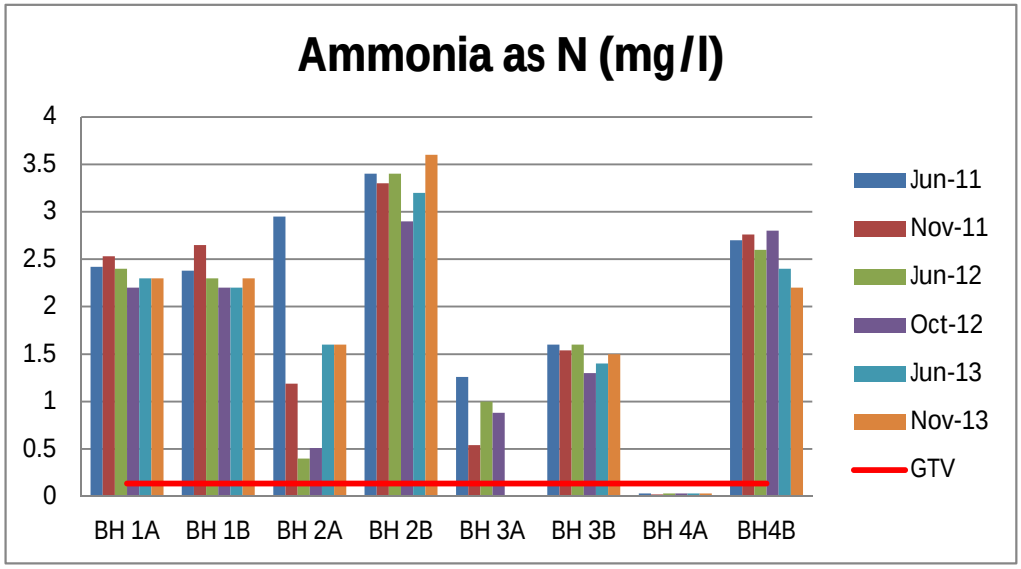
| Srahmore Waste Licence W199-02 | | | | SW101 | | |
|---|---|---|---|---|---|---|
| **Month: Nov 2013 - Fourth Quarter** | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | No sample due to no flow | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | No sample due to no flow | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | No sample due to no flow | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | No sample due to no flow | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |

| Srahmore Waste Licence W199-02 | | | | SW101 | | |
|---|---|---|---|---|---|---|
| **Month: Dec 2013 - Fourth Quarter** | | | | | | |
| **Date** | **pH (pH units)** | **SS (mg/l)** | **COD (mg/l)** | **Total Ammonia (mg/l)** | **Conductivity (20c uS/cm)** | **Non-Compliance None >42 mg/l** |
| 1 | | | | | | |
| 2 | No sample due to no flow | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | 5.8 | 2 | 67 | 0.264 | 178 | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | 4.8 | 10 | 63 | 0.178 | 154 | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | 5 | 10 | 32 | 0.228 | 206 | |
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | 5.8 | 6 | 45 | 0.164 | 187 | |
| 31 | | | | | | |

| Srahmore Waste Licence W199-02 | | | | | | | Groundwater | |
|---|---|---|---|---|---|---|---|---|
| Month: June | | | | | | | | |
| Date 25/06/2013 | BH 1A | BH 1B | BH 2A | BH 2B | BH 3A | BH 3B | BH 4A | BH4B |
| | | | | | | | | |
| COD | 28 | 18 | 91 | 27 | * | 12 | 107 | 48 |
| Nitrate | >0.2 | >0.2 | 0.24 | <0.2 | * | <0.2 | <0.2 | <0.2 |
| Total Ammonia | 2.3 | 2.2 | 1.6 | 3.2 | * | 1.4 | 0.03 | 2.4 |
| Conductivity | 642 | 656 | 317 | 528 | * | 297 | 174 | 197 |
| Diesel Range Organics | <10 | <10 | <10 | <10 | * | <10 | <10 | <10 |
| Mineral Oil | | | | | | | | |

*** BH3A damaged and dry.**

| Srahmore Waste Licence W199-02 | | | | | | | Groundwater | |
|---|---|---|---|---|---|---|---|---|
| Month: November | | | | | | | | |
| Date 27/11/2013 | BH 1A | BH 1B | BH 2A | BH 2B | BH 3A | BH 3B | BH 4A | BH4B |
| | | | | | | | | |
| COD | 21 | 110 | 98 | 30 | * | 28 | 96 | 57 |
| Nitrate | <0.2 | <0.2 | <0.2 | <0.2 | * | <0.2 | <0.2 | <0.2 |
| Total Ammonia | 2.3 | 2.3 | 1.6 | 3.6 | * | 1.5 | 0.03 | 2.2 |
| Conductivity | 628 | 664 | 289 | 528 | * | 300 | 146 | 178 |
| Diesel Range Organics | <10 | <10 | <10 | <10 | * | <10 | <10 | <10 |
| Mineral Oil | | | | | | | | |



**Bog Restoration Srahmore W0199-02**

Monitoring of the revegetation and stabilisation of the deposited peat is ongoing. Peat deposited in 2003/2005 has revegetated well and there is continued spread of *Sphagnum* mosses in all peat deposition bays (Bays 3, 4 and 5). In May 2012 and June 2013 a series of 500 ponds were excavated in Bays 4 and 5 and inoculated with *Sphagnum cuspidatum* plants following from successful trials established in 2010. These ponds are part of the agreed rehabilitation plan for the site and enhance the spread of *Sphagnum* and other wetland species such as aquatic invertebrates and amphibians, adding to the overall biodiversity of the site. This was agreed following consultation with NPWS, IPCC, IF, BWI, An Taisce and further ponds will be excavated in Bay 3 in 2014. Peat deposited in the period 2011/2012 has been slower to re-vegetate, however it is slowly re-vegetating. Drainage work was carried out in this area in 2013 and further drainage work is planned for 2014 and the area will continue to be monitored.

As required by Condition 6.8, a Stability Assessment is required once a bay has been completed. This was measured and mapped post completion in Jan 2013, is currently being prepared by Tobins Consulting Engineers and will be submitted to the Agency through Alder in April 2014.

As required by Condition 12.2.1 the licence holder is required to submit a statement on the determination of charge for the disposal of waste in accordance with the requirements of S.I. No. 337 of 2002 European Communities Regulation 2002. Following the consultation of this regulation, it is determined that as Srahmore Peat Deposition Site is only accepting waste peat from one permitted contractor, and that this charge has been agreed with the contractor prior to the commencement of the peat deposition and is applicable for the duration of the contract, the provision of this statement does not apply. The price agreed with the contractor is commercially sensitive.

This landfilling activity was completed in January 2013 and the site is now rehabilitating.

Environmental Protection Agency

Guidance to completing the PRTR workbook

# AER Returns Workbook

Version 1.1.18

| | |
|---|---|
| **REFERENCE YEAR** | 2013 |

**1. FACILITY IDENTIFICATION**

| | |
|---|---|
| Parent Company Name | Bord na Mona Energy Limited |
| Facility Name | Srahmore Peat Deposition Site |
| PRTR Identification Number | W0199 |
| Licence Number | W0199-02 |

Waste or IPPC Classes of Activity

| No. | class_name |
|---|---|
| 3.1 | The initial melting or production of iron and steel |
| 3.13 | Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced. |
| 3.4 | ############################################################ |
| Address 1 | Srahmore and Attavally |
| Address 2 | Bangor-Erris |
| Address 3 | County Mayo |
| Address 4 | |
| | |
| | Mayo |
| Country | Ireland |
| Coordinates of Location | -9.56652 53.2663 |
| River Basin District | IEWE |
| NACE Code | 3821 |
| Main Economic Activity | Treatment and disposal of non-hazardous waste |
| **AER Returns Contact Name** | Enda McDonagh |
| **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** | 854.64 |
| **Production Volume Units** | tonnes |
| **Number of Installations** | 1 |
| **Number of Operating Hours in Year** | 0 |
| **Number of Employees** | 1 |
| **User Feedback/Comments** | The Classification above is incorrect, but it cannot be edited by user. Regarding emissions to water, the Suspended Solids results submitted in the 2012 PRTR were not correct. The figure should have been 5614.1, not 56141 kgs. With this in mind, overall where |
| **Web Address** | www.bnm.ie |

**2. PRTR CLASS ACTIVITIES**

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

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

| | |
|---|---|
| Is it applicable? | No |
| Have you been granted an exemption ? | No |
| 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 |

This question is only applicable if you are an IPPC or Quarry site

## 4.1 RELEASES TO AIR

Link to previous years emissions data



### SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

| RELEASES TO AIR | | | | | Please enter all quantities in this section in KGs | | | |
|---|---|---|---|---|---|---|---|---|
| POLLUTANT | | METHOD | | | | QUANTITY | | |
| | | | Method Used | | | | | |
| 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 AIR | | | | | Please enter all quantities in this section in KGs | | | |
|---|---|---|---|---|---|---|---|---|
| POLLUTANT | | METHOD | | | | QUANTITY | | |
| | | | Method Used | | | | | |
| 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 AIR | | | | | Please enter all quantities in this section in KGs | | | |
|---|---|---|---|---|---|---|---|---|
| POLLUTANT | | METHOD | | | | QUANTITY | | |
| | | | Method Used | | | | | |
| Pollutant No. | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| **210** | **Dust** | E | OTH | VDI 2119 Blatt 2/Part 2 | 0.0 | 0.0376 | 0.0 | 0.0376 |

* 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:** Srahmore Peat Deposition Site

**Please enter summary data on the quantities of methane flared and / or utilised**

| | T (Total) kg/Year | M/C/E | Method Used: Method Code | Method Used: Designation or Description | Facility Total Capacity m3 per hour | |
|---|---|---|---|---|---|---|
| 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



### 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 concerns Releases from

| RELEASES TO WATERS | | | | | Please enter all quantities in this section in KGs | | | |
|---|---|---|---|---|---|---|---|---|
| POLLUTANT | | | | | QUANTITY | | | |
| | | | Method Used | | | | | |
| 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 | | | | | QUANTITY | | | |
| | | | Method Used | | | | | |
| 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 | | |
| | | | Method Used | | SW4 (Location 7) | SW100 | SW101 | | | |
| Pollutant No. | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | Emission Point 2 | Emission Point 3 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| **240** | **Suspended Solids** | M | OTH | G/19 Based on APHA, 1998, 20th Edition, Method 2540D | 1788.9 | 0.0 | 0.0 | 1788.9 | 0.0 | 0.0 |

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

## 4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data



### 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 | | | |
| | | | Method Used | | | | | |
| 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 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 | | | |
| | | | Method Used | | | | | |
| Pollutant No. | 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

## 4.4 RELEASES TO LAND

Link to previous years emissions data



### SECTION A : PRTR POLLUTANTS

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

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

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

## 5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE



**Please enter all quantities on this sheet in Tonnes**



| 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<br>Non Haz Waste: Name and Licence/Permit No of Recover/Disposer | Haz Waste : Address of Next Destination Facility<br>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 | 13 05 02 | Yes | 43930.0 | sludges from oil/water separators | D9 | M | Weighed | Offsite in Ireland | Enva Ltd,184-1 | Clonminam Industrial Estate,Portlaoise,Laois,,Ireland | Enva Ltd,184-1,Clonminam Industrial Estate,Portlaoise,Laois,,Ireland | Clonminam Industrial Estate,Portlaoise,Laois,,Ireland |
| Within the Country | 20 01 01 | No | 500.0 | paper and cardboard | R11 | C | Volume Calculation | Offsite in Ireland | G&T Loftus Recycling,CW035 | Rathroeen,Killina,,Mayo,Ireland | | |
| Within the Country | 20 01 08 | No | 2150.0 | biodegradable kitchen and canteen waste | R13 | C | Volume Calculation | Offsite in Ireland | G&T Loftus Recycling,CW035 | Rathroeen,Killina,,Mayo,Ireland | | |
| Within the Country | 20 03 04 | No | 86.3 | septic tank sludge | D9 | M | Weighed | Offsite in Ireland | Mayo County Council,. | Belleck,Ballina,,Mayo,Ireland | | |

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