

Facility Information Summary

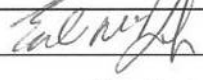
AER Reporting Year	2016
Licence Register Number	W0199-02
Name of site	Srahmore Peat Repository
Site Location	Bangor-Erris, Co Mayo
NACE Code	3821
Class/Classes of Activity	C1, C4, C13
National Grid Reference (6E, 6 N)	84373.933 323694.525

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 site accepted its last tonne of peat in January 2013. Since then it has been unoperational, with the site been decommissioned in accordance with condition 10.1. The main emission to water during the period, suspended Solids, was 100% compliant for 2016 with an increase of 5.6% in SS loading but an average SS of 5 mg/l against an ELV for 35mg/l. The controlled overflow Area 7 was utilised during periods of heavy rainfall. There were no compliants received in 2016. Overall where loading based on 24 hour composite flow proportional sampling could be calculated, there was a slight increase of 5.6% in suspended solids, but a reduction of over 50% in TDS with overall volumetric flow down due to decreased annual rainfall (1451mm in 2014 and 1181mm in 2016). Flow data was lost for some of the period so all flow data was decrease by 6.8% to reflect decrease in rainfall recorded at the Belmullet met station, which is the nearest station of the Srahmore site, and used to calculate the daily loading for SS and TDS. All other parameters were reduced to quarterly with the agreement of the Agency. 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.

	<u>30/3/17</u>
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

AIR-summary template	Lic No: W0199-02	Year: 2016
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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

Surface water sampling results attached as permitted by

No	No activity in 2016, so no dust monitoring.
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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:	W0199-02	Year	2016
Continuous Monitoring				

4 Does your site carry out continuous air emissions monitoring?
 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

6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?

7 Did your site experience any abatement system bypasses? If yes please detail them in table A3 below

SELECT	
SELECT	
SELECT	
SELECT	

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

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

		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 licensed emissions you <u>only</u> 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. SW100 monitoring suspended in 2015 in agreements with the Agency and SW101 only returned two weekly samples during the year due to in-activity and rehabilitation works, with drainage reversed.
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 <u>only any evidence of contamination noted during visual inspections</u>	Yes	No evidence of contamination noted during weekly inspections

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)

3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below	No	
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	Yes	Weekly Grab samples for 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

Continuous monitoring

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

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

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

No	
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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	2409	5.6	240	0	
	Water	Ammonia (as N)	NA	Monthly	NA	mg/L	0.0026	-99	240	NA	Reduced to quarterly monitoring in agreement with Agency
	Water	COD	NA	Monthly	NA	mg/L	5.25	-63	240	NA	Reduced to quarterly monitoring in agreement with Agency
	Water	Total Dissolved Solids	NA	Weekly	NA	mg/L	8147	-51	240	NA	
	Water	volumetric flow	NA	24 hour	NA	m3/day	502080511.3	-17	240	NA	
	Water	Nitrite (as N)	NA	Monthly	NA	mg/L	0.168	-1580	240	NA	Reduced to quarterly monitoring in agreement with Agency
	Water	Nitrate (as N)	NA	Monthly	NA	mg/L	52.03	2215	240	NA	Reduced to quarterly monitoring in agreement with Agency
	Water	Total phosphorus	NA	Monthly	NA	mg/L	0.018	-82	240	NA	Reduced to quarterly monitoring in agreement with Agency

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 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**
- 11 Do all sumps and chambers have high level liquid alarms?
 - 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
 - 13 Is the Fire Water Retention Pond included in your integrity test programme?

with the Agency and SW101 only returned two weekly samples during the year due to in-activity and rehabilitation works, with drainage reversed.	
3 years	
Yes	
0	
0	
1	
Yes	
1	
0	All removed from site
0	All removed from site
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 line with BS8007/EPA Guidance?

[bunding and storage guidelines](#)

- 15 Are channels/transfer systems to remote containment systems tested?
- 17 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
Yes	Bi- annual as required by licence
No	
No	

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

- 1 all underground structures and pipelines on site **which failed the integrity test and all which have not been tested within 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)

No	
SELECT	

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

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type 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	2016
						SELECT			SELECT	
						SELECT			SELECT	
<p>*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.</p> <p style="text-align: right;">Groundwater monitoring template</p>										
<p>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 Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013) (see the link in G31)</p>										
<p>**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)</p>							<p style="text-align: right;"> Groundwater Drinking water Surface regulations (private supply) Drinking water (public Interim Guideline water EQS GTV's standards supply) standards Values (IGV) </p>			

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

[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 completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	485000	
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
5	Financial Provision for ELRA - amount of cover	485000	
6	Financial Provision for ELRA - type	Environmental Impairment Liability insurance	
7	Financial provision for ELRA expiry date	yet to be agreed	
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and completed	
10	Financial Provision for Closure status	Submitted and agreed by EPA	
11	Financial Provision for Closure - amount of cover	163390	
12	Financial Provision for Closure - type	bond	
13	Financial provision for Closure expiry date	Agreed	

Surface water sampling results at

Environmental Management Programme/Continuous Improvement Programme template	Lic No:	W0199-02	Year	2016
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	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 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 2016 and are retained on site for inspection. A reduction in inspection regime was agreed with the Agency	Individual	Reduced emissions
Reduction of emissions to Air	Reduction of fugitive dust emissions during all operations	90	Site Operations completed in Jan 2003	Individual	Reduced emissions
Reduction of emissions to Air	Protection of Dust sensitive areas.	90	Site Operations completed in Jan 2003	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 removed from the site	Individual	Improved Environmental Management Practices

Environmental Management Programme/Continuous Improvement Programme template				Lic No:	W0199-02	Year	2016
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 2016 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	

Noise monitoring summary report Lic No: W0199-02 Year 2016

- 1 Was noise monitoring a licence requirement for the AER period?
 If yes please fill in table N1 noise summary below
- 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?
- 3 Does your site have a noise reduction plan
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?
- Site deposition completed in Jan 2013
 Surface water sampling results attached as permitted by Agency. SW100 monitoring suspended in 2015 in agreements with the Age

No

SELECT

SELECT

Enter date

SELECT

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 <u>site</u> 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:

W0199-02

Year

2016

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

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

3

Additional information

Surface water sampling results	
Yes	
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)	53.13	26.62	-50%	0%
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	37.89	2.7	-92%	0%
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	1.5	2.3	46%	0%
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)	0	0			
Non-Hazardous (Tonnes)	100	100			

Resource Usage/Energy efficiency summary Lic No: W0199-02 Year 2016

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					

WASTE SUMMARY	Lic No:	W0199-02	Year	2016
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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

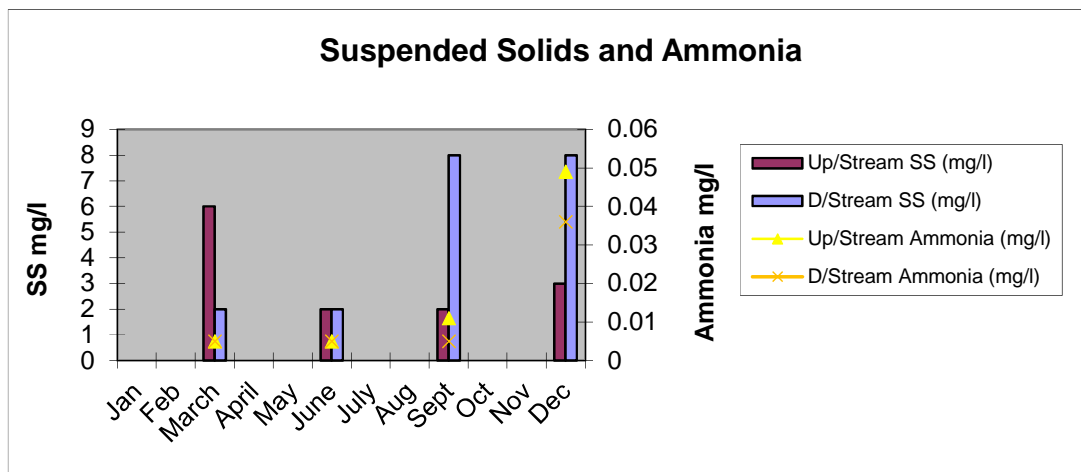
Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments

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	

Srahmore Waste Licence W199-02		Munhin River			
2016					
Month:	Date	Up/Stream		D/Stream	
		SS (mg/l)	Ammonia (mg/l)	SS (mg/l)	Ammonia (mg/l)
Jan					
Feb					
March	14/03/2016	6	0.005	2	0.005
April					
May					
June	13/06/2016	<2	<0.005	<2	<0.005
July					
Aug					
Sept	12/09/2016	<2	0.011	8	<0.005
Oct					
Nov					
Dec	12/12/2016	3	0.049	8	0.036



Month Jan 2016 Sw101						
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	5.1	<2	49	0.046	79.5	
26						
27						
28						
29						
30						
31						

Month Sept 2016 SW101						
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	5.3	>2	86	0.028	91.1	
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						

Bog Restoration Srahmore W0199-02 2014

Monitoring of the re-vegetation and stabilisation of the deposited peat is ongoing. Peat deposited in 2003/2005 has re-vegetated well and there is continued spread of *Sphagnum* mosses in all peat deposition bays (Bays 3, 4 and 5). In May 2012, June 2013 and Summer 2014 a series of >700 ponds were excavated in Bays 3, 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 the development will be monitored.

Peat deposited in the period 2011/2012 has been slower to re-vegetate, but progress is steady with a marked increase in vegetation cover in 2014 and 2015. No pond excavation is planned for this Bay as the peat is considered to be wetter in this part of the site.

In 2014 a vegetation map was completed for the site showing the distribution of ponds across the Bays. The site will continue to be monitored to track changes in vegetation cover and development.

In 2015 we will be developing the next steps for rehabilitation and we will carry out a trial to raise the water level in Bay 4 to assess the potential to increase and encourage peat-forming conditions.

In 2015 further rehabilitation of Bay 4 was undertaken. This involved blocking of the perimeter drains on the north, east and west sides of Bay 4 and involved use of an excavator and dozer. The aim was to raise the water level in the perimeter drains near to the level of the deposited peat to encourage further rewetting and establishment of sphagnum. To date the work has proven successful – the dams are stable and there has been no excessive water retention. The work will be reviewed in Spring 2015 with a view to extending to further Bays.

Update; In October 2016 work commenced on blocking the perimeter drains in bays 2, 3 and 4. This work has been completed and is currently being monitored.



[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.13

REFERENCE YEAR	2016
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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

Classes of Activity	
No.	class name
-	Refer to PRTR class activities below

Address 1	Srahmore and Attavally
Address 2	Bangor-Eriss
Address 3	
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 Health and Safety
AER Returns Contact Telephone Number	0579345911
AER Returns Contact Mobile Phone Number	0862370816
AER Returns Contact Fax Number	0579345160
Production Volume	0.0
Production Volume Units	
Number of Installations	1
Number of Operating Hours in Year	0
Number of Employees	1
User Feedback/Comments	This site accepted its last tonne of peat in January 2013. Since then, the site has been decommissioned in accordance with condition 10.1. The main emission to water during the period, suspended Solids, being 100% compliant for 2016
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?	
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](#)

| PRTR# : W0199 | Facility Name : Srahmore Peat Deposition Site | Filename : W0199_2016.xls | Return Year : 2016 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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

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

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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

* 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)

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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

* 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	Srahmore Peat Deposition Site			
	T (Total) kg/Year	M/C/E	Method Code	Designation or Description
Total estimated methane generation (as per site model)	0.0			Facility Total Capacity m3 per hour 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# : W0199 | Facility Name : Srahmore Peat Deposition Site | Filename : W0199_2016.xls | Return Year : 2016]

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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 your facility

POLLUTANT		RELEASURES TO WATERS			Please enter all quantities in this section in KGs				
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	QUANTITY			
			Method Code	Designation or Description		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

POLLUTANT		RELEASURES TO WATERS			Please enter all quantities in this section in KGs				
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	QUANTITY			
			Method Code	Designation or Description		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)

POLLUTANT		RELEASURES TO WATERS			Please enter all quantities in this section in KGs				
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	QUANTITY			
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
240	Suspended Solids	M	OTH	G/19 based on Alpha 1998, 20th Edition method 2540D	SW4 (Location 7)	2409.0	2409.0	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](#)

| PRTR# : W0199 | Facility Name : Srahmore Peat Deposition Site | Filename : W0199_2016.xls | Re

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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 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			
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](#)

| PRTR# : W0199 | Facility Name : Srahmore Peat Deposition Site | Filename : W0199_2016.xls | Return Year : 2016 |

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SECTION A : PRTR POLLUTANTS

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Method Used 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		
Pollutant No.	Name	M/C/E	Method Code	Method Used 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

| PRTR# : W0199 | Facility Name : Srahmore Peat Deposition Site | Filename : W0199_2016.xls | Return Year : 2016 |

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Please enter all quantities on this sheet in Tonnes

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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 : 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)
						Haz Waste: Name and Licence/Permit No of Recover/Disposer			Non Haz Waste: Address of Recover/Disposer					
Within the Country	13 05 02	Yes	0.0	sludges from oil/water separators	D9	M	Weighed	Offsite in Ireland	Enva Ltd,184-1 G&T Loftus		Clonminam Industrial Estate,Portlaoise,Laois,.,Ireland and Rathroeen,Killina,.,Mayo,Ireland and Belleck,Ballina,.,Mayo,Ireland		Enva Ltd,184-1,Clonminam Industrial Estate,Portlaoise,Laois,.,Ireland and	Clonminam Industrial Estate,Portlaoise,Laois,.,Ireland and
Within the Country	20 01 01	No	0.0	paper and cardboard	R11	C	Volume Calculation	Offsite in Ireland	Recycling,CW035 G&T Loftus		Rathroeen,Killina,.,Mayo,Ireland and Belleck,Ballina,.,Mayo,Ireland		Enva Ltd,184-1,Clonminam Industrial Estate,Portlaoise,Laois,.,Ireland and	Clonminam Industrial Estate,Portlaoise,Laois,.,Ireland and
Within the Country	20 01 08	No	0.082	biodegradable kitchen and canteen waste	R13	C	Volume Calculation	Offsite in Ireland	Recycling,CW035 G&T Loftus		Rathroeen,Killina,.,Mayo,Ireland and Belleck,Ballina,.,Mayo,Ireland		Enva Ltd,184-1,Clonminam Industrial Estate,Portlaoise,Laois,.,Ireland and	Clonminam Industrial Estate,Portlaoise,Laois,.,Ireland and
Within the Country	20 03 04	No	0.0	septic tank sludge	D9	M	Weighed	Offsite in Ireland	Mayo County Council,.				Enva Ltd,184-1,Clonminam Industrial Estate,Portlaoise,Laois,.,Ireland and	Clonminam Industrial Estate,Portlaoise,Laois,.,Ireland and

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

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)

[Link to Waste Guidance](#)