

Facility Information Summary

Licence Register Number
 Name of site
 Site Location
 NACE Code
 Class of Activity
 RBME risk category
 National Grid Reference (6E, 6N)

W0163-01
Bergin Waste Disposal Ltd.
Ballaghaderreen, County Roscommon
3821
50.1
C1
161255E, 295035N

A brief description of the activities/process at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance improvements which were measured during the reporting year;

Barna Waste operates a Waste Transfer Station and Recycling Facility at Ballaghaderreen Industrial Estate, Ballaghaderreen, County Roscommon. The facility currently operators in accordance with a Waste Licence granted by the EPA – Waste Licence No. W0163-01. Under Waste Licence No. W0163-01, Barna Waste are licensed to accept non-hazardous waste consisting of household, commercial, and construction and demolition waste. No hazardous or liquid wastes are accepted at the facility. The maximum annual quantity of waste to be accepted at the facility is 19,700 tpa. Due to an unexpected market demand in 2010 following the closure of Ballaghaderreen landfill a Waste Licence Review Application was submitted to the EPA in 2011 requesting an increase to Maximum Tonnage Per Annual at the facility this request has not been agreed to date by the EPA, the facility was over it licensed limit in 2012 at the end of November resulting in it waste being directed to other recycling facilities for the month of December. The primary functions of the facility are to segregate waste, recycle waste and to bulk waste prior to transportation to recovery facilities or licensed landfills / Incinerator. Infrastructure work started in December 2012 and is scheduled to be completed in Quarter 1 of 2013 the infrastructure work consists of; Reworking of existing drainage in and adjacent to the waste transfer building. 44% of all waste received in 2012 was recycled are target was 34%.

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.

<p><i>Ann Clarke</i></p> <hr style="width: 80%; margin: 0 auto;"/> <p>Signature Group/Facility Manager</p> <p><small>(or nominated suitably qualified and experienced deputy)</small></p>	<p>20/02/13</p> <hr style="width: 80%; margin: 0 auto;"/> <p>Date</p>
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SECTION A-PRTR 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

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**)

Additional Information	
Yes	

If yes please enter details in table 1 below

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

No	
No	

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

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 PR)

Licensed annual tonnage limit for your site (total tonnes/annum)	EWG code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which 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	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)
19,700	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste	11,909.00	14,203.00	#REF!	Reduction in tonnage due to waste licence limits	0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	0
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Dry Recyclables	4741	4,510.00	#REF!	Increase in tonnage due to higher recycling rates	33% packaging & 67% Non-packaging	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0
	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable Kitchen and Canteen waste	2	41		Send directly to recycling facility	0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0
	20 01 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Paper and Cardboard	75	114		Less packaging on products	52%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0
	20 01 10	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Clothes	0.68	0.88		Reduction due to more clothes banks	0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	0

	20 01 36	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Discarded Electrical & Electronic Equipment	4	2	Slight increase more people leaving accomadations	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0
	20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Wood	188	0	Not recorded separately in 2011	0%	R11-Use of waste obtained from any of the operations numbered R1 to R10	6
	20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Plastic	97	0	Not recorded separately in 2011	48%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	0
	20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Metals	287	211	Increase in tonnage due to higher recycling rates	0%	R4- Recycling/reclamation of metals and metal compounds	0
	20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable Waste	54	121	Reduction in tonnage due to less biodegradable waste being recycled	0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0
	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Paper and Cardboard Packaging	840	1137	Reduction in tonnage due to diversion to Mc Loughlin site to keep within our licensed waste acceptance quanty	100%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0
	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic Packaging	13	273	Not recorded separtaley in 2011	52% Packaging & 48% Non-Packaging	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	0
	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Glass Packaging	38	24	Slight increase tonnage varying slightly from year to year	100%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	36

	16 06 01*	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Lead Batteries	2	1		Slight increase tonnage varying slightly from year to year	0%	R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	0
	16 01 03	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	End-of-life Tyres	10	8		Slight increase tonnage varying slightly from year to year	0%	R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	0
	17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixture of Concrete,bricks, tiles & ceramics	0	143		Reduction in builder skips	0%	R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	0
	17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Wood	54	267		Reduction in builder skips	52%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis	0
	17 04 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed Metals	74	0		Not recorded separately in 2011	0%	R4- Recycling/reclamation of metals and metal compounds	0
	17 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil & Stone	1239	340		Increase in skips coming in with soil & stone separately	0%	R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	0
	17 08 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Gypsum-based construction material	21	13		Slight increase tonnage varying from year to year	0%	R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	15
	17 09 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed Construction & Deolition waste	1032	3363		Decrease in skips due to down turn in building tade	0%	R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	100

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.+ 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

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

SELECT

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	

TR workbook)

Comments -

Lined disposal area occupied by waste	Unlined area	Comments on liner type
SELECT UNIT	SELECT UNIT	

AER summary template-AIR emissions

<p>1 Does your site have licensed air emissions? If yes please complete table 1, 2 and 3 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 5 and 6) you <u>only</u> need to complete table 1 fugitive emissions on site below</p>	Yes	<p style="text-align: center;">Additional information</p> <p>During the reporting period three sets of results were obtained for Dust. Standard Method VD12119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument German Engineering Institute) was utilized for analysis. Dust monitoring is carried out three times per year, twice between May and September at three Dust locations namely D1, D2 and D3. No exceedance of licence limit was recorded within monitoring period.</p>
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Table 1 Fugitive emissions

Parameter /Substance	Annual fugitive emission (kg/annum)	Quantificaton method M/C/E
Dust	2320	M

Periodic/Non-Continuous Monitoring

<p>2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of Table 2 below</p>	No	
<p>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</p>	Yes	

Table 2: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Date 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)	% change in mass load from previous year +/-	Comments
Emission Point 1	Dust	July / August / September	No	350 (mg/m ² /day)	142	mg//m ² /day	yes	PER	8520	-0.94%	
Emission Point 2	Dust	July / August / September	No	350 (mg/m ² /day)	146	mg//m ² /day	yes	PER	8760	0.89%	
Emission Point 3	Dust	July / August / September	No	350 (mg/m ² /day)	6	mg//m ² /day	yes	PER	3600	-0.45%	

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

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 3 and compare it to its relevant Emission Limit Value (ELV)

5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 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 4 below

Table 3: 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)	% compliance current reporting year	Comments
	<input type="text" value="SELECT"/>			<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>					

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

Table 4: Abatement system bypass reporting table

[Bypass protocol](#)

Date*	Duration** (hours)	Location	Reason for bypass	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

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

<p>1 Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table 3 and 4 below for the current reporting year and answer further questions. If you do not have licenced emissions you <u>only</u> need to complete table 1 and /table 2 below for ambient monitoring and visual inspections</p>	Yes	Additional information
<p>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 2 below summarising <u>only any evidence of contamination noted during visual inspections</u></p>	No	

Table 1 Ambient 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	

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

Table 2 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)

<p>3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table 3 below</p>	Yes	Additional information
<p>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</p> <p style="font-size: small; margin-top: 5px;"> External /Internal Lab Quality checklist Assessment of results checklist </p>	Yes	

Table 3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Date 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)	% change in mass load from previous year +/-	Comments
FW 1	Wastewater/Sewer	BOD	composite	January, April, July & November	Monthly	350	All values < ELV	120.5	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	20th ED.	7230	0.02%	
FW 1	Wastewater/Sewer	COD	composite	January, April, July & November	Monthly	500	All values < ELV	280.5	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	20th ED.	16830	0.05%	Elevated water levels in November due to significant rain fall in Q4
FW 1	Wastewater/Sewer	Suspended Solids	composite	January, April, July & November	Monthly	300	All values < ELV	54	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	20th ED.	3240	0.06%	
FW 1	Wastewater/Sewer	Total phosphorus	composite	January, April, July & November	Monthly	2	All values < ELV	0.775	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	20th ED.	46.5	3.97%	
SD 1	Water	BOD	composite	January, April, July & November	Monthly	Trigger Valve 25	All values < ELV	1	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	20th ED.	60	-0.17%	
SD 1	Water	Suspended Solids	composite	January, April, July & November	Monthly	Trigger Valve 35	All values < ELV	5	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	20th ED.	300	-0.63%	
SD 1	Water	Mineral oils	composite	January, April, July & November	Monthly	5	All values < ELV	0.375	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	20th ED.	22.5	0.01%	
SW 1	Water	Mineral oils	composite	January, April, July & November	Monthly	5	All values < ELV	0.1	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	20th ED.	6	0.04%	
SW 2	Water	Mineral oils	composite	January, April, July & November	Monthly	5	All values < ELV	0.1	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	20th ED.	6	0.04%	

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?

No	
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If yes please summarise your continuous monitoring data below in Table 4 and compare it to its relevant Emission Limit Value (ELV)

6 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 4 below

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

SELECT	
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8 Did abatement system bypass occur during the reporting year? If yes please complete table 5 below

SELECT

Table 4: 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)	% compliance current reporting year	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

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

Table 5: 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

Noise Monitoring Report Summary

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

Yes

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?

[Draft Noise Guidance](#)

Yes
No
No

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?

Table 1: 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)
23.05.2012	30 minutes	N1:- Inside main gate of site		62.4	47.9	60.5	92	No	SELECT	On site sources:- Heavy vehicles passing close by the microphone
23.05.2012	30 minutes		N5:- 200 metres to the north of the site	53.6	47.7	54	82	No		Off-site sources:- Vehicles entering the industrial estate
23.05.2012	30 minutes		N6:- 280 metres to the north-east of the site	50	45.9	52	69.2	No		Off-site source:- High pitched squeaking sound from the loading arm in the shed. Lorries coming in to the site with loud rattling from tips
23.05.2012	30 minutes		N7:- 300 metres to the south-west of the site	44.4	40.8	46.5	63.8	No		Off-site sources:- Infrequent bang or clang of machinery

*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?

operational changes

We have invested in a new loader so there is no longer a high pitched squeaking sound coming from the site. Drivers of tipper lorries have reduced there speed coming in to the site to decrease the rattling noise from there vehicle

Any additional comments? (less than 200 words)

Is <u>site</u> compliant with noise limits (day/evening/night)?
No
Yes
Yes
Yes

Resource usage/ Energy Efficiency

Additional information

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- 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
- 3 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

[SEAI - Large Industry Energy Network \(LIEN\)](#)

Not required by our licence	
no	
SELECT	

Table 1 Energy usage on site				
Energy Use	Previous year kWh	Current year kWh	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total				
Electricity	9396	13649	4%	
Fossil Fuels:	not applicable	not applicable	not applicable	
Heavy Fuel Oil	not applicable	not applicable	not applicable	
Light Fuel Oil	not applicable	not applicable	not applicable	
Natural gas	not applicable	not applicable	not applicable	
Coal/Solid fuel	not applicable	not applicable	not applicable	
Renewable energy generated on site	None			

* 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 2 Water usage on site				
Water use	Previous year m3/yr.	Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Groundwater	not applicable	not applicable	not applicable	
Surface water	not applicable	not applicable	not applicable	
Public supply	not applicable	not applicable	not applicable	
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 3: 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
Not a requirement of our licence			SELECT					
			SELECT					
			SELECT					

Groundwater /Contaminated land summary report

	Comments
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	no
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 Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	no
5 Is the contamination related to operations at the facility (either current and/or historic)	SELECT
6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	SELECT
7 Please specify the proposed time frame for the remediation strategy	SELECT
8 Is there a licence condition to carry out/update ELRA for the site?	SELECT
9 Has any type of risk assesment been carried out for the site?	SELECT
10 Has a Conceptual Site Model been developed for the site?	SELECT
11 Have potential receptors been identified on and off site?	SELECT
12 Is there evidence that contamination is migrating offsite?	SELECT

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**	% change in average concentration previous year +/-	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**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
							SELECT				SELECT
							SELECT				SELECT

* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

**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 \(IGV\)](#)

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 Liability Risk Assessment

		Commentary
1	Is it a requirement of your licence to complete an ELRA?	Yes
2	Has an initial ELRA been submitted to and approved by the Agency?	Yes
3	Please enter the date of submission of the initial ELRA	Jun-02
4	Date of most recent substantial ELRA update	2012
5	What financial instrument/s do you have in place to cover unknown liabilities?	Bond
6	Has this financial instrument/s been verified by the Agency?	Yes
7	What is the date of expiry of this financial instrument?	expire of licence
8	Date of next required review of the ELRA?	As requested by EPA
9	Please list the top 10 risks assessed on your site in table 1 below	

Table 1 ELRA summary information

Click here to access EPA guidance on ELRA		Operational Risk Assessment Category		2					
Risk ID	Potential hazards	Environmental effect	Previous risk score	Mitigation measures to reduce risk			ELRA		Does the current financial provision (FP) cover the risk score?
				Action	Date of implementation of mitigation measures	Comment	Revised Risk score for current reporting year	ELRA costing	
e.g Chemical Storage	Bund failure resulting in spillage of hazardous chemicals on site	Surface water /soil/groundwater contamination	2	Infrastructural improvements	05.09.2011	bund tested in 2011 passed all tests no remedied work required	2	€25,000	Yes
Hydrocarbons Leakage	Spillages from bund	Surface water /soil/groundwater contamination	2	Infrastructural improvements	21.02.12 & 13.0	Bund testing every three years. Regular checks on interceptors and cut-off valves interceptors emptied and washed out twice in 2012	2		Yes
Incoming Waste Processing	Leaks from process, any spill in storage area	Surface water /soil/groundwater contamination	2	Infrastructure improvements, Training and Operational Controls	24/05/2002	completely contained building which have a reinforced concrete base and metal clad walls and roof. Emergency Response Procedure in place for spillages. All leaks draining to foul drainage system.	2		Yes
Underground Tanks / Pipes	Leaks from Tanks & Pipes	Surface water /soil/groundwater contamination	2	Infrastructural improvements	23.05.2011	Tanks and pipes tested every 3 years; tested in 2011 no remedied work required	2		Yes
Fire	Electrical equipment, combustible materials, flammable liquids / gases	Fire/Explosion resulting from significant fire risk, Surface water /soil/groundwater contamination	2	Capital investment (Fire Alarms), Training and Operational Controls	24/05/2002	investment and training, Emergency Response Procedure in place.	2		Yes
Process Plant failure	Machinery breakdown	Surface water /soil/groundwater contamination	2	Operational controls	24/05/2002	Maintain regularly checks and repairs on machinery	2		Yes
Water emission incident	Contamination of stream	Surface water /soil/groundwater contamination	2	Infrastructure improvements, Training and Operational Controls	24/05/2002	completely contained building which have a reinforced concrete base and metal clad walls and roof. Emergency Response Procedure in place for spillages. Weekly facility checks are carried out	2		Yes

All processes where significant noise is produced	Noise emissions from various sources on site	Emissions to air which may effect human receptors	2	Noise Monitoring	23.05.2012	Ensure emission control measures are maintained to the highest possible standards.	2		Yes
Total			SELECT	SELECT			SELECT		SELECT

Closure Restoration Aftercare Management Plan/ Restoration plan (CRAMP/RP)

1	Was a closure or restoration plan a requirement of the licence?	Yes
2	Has a closure plan submission been approved by the Agency?	Yes
3	What is the timescale for submission?	6 months
4	What financial instrument do you have in place to cover known liabilities?	Bond
5	What is the date of expiry of this financial instrument?	expire of licence
6	What is the status of implementation of the plan?	Medium

Table 2 CRAMP summary information (NON Landfill)

Date of submission of plan	Risk category	Closure plan in place	Clean closure	Restoration Aftercare Management Plan	Change in Risk category since previous year	Increase in risk category	Does the current financial provision cover the risk score?	Value of current financial provision for site
Jun-12	2	Yes	Yes	Yes	No	No	Yes	€25,000.00

Environmental Management Programme (EMP)/Continuous Improvement Programme

Highlighted cells contain dropdown menu click to view

Additional Information

1	Do you maintain an Environmental Management System for the site. If yes, please detail in additional information	Yes	Submitted to the Agency on 24.05.2002
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	Communication Procedure is part of facility EMS

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Waste reduction/Raw material usage efficiency	Recycle 34% of all waste received in 2012. Review recycling and disposal tonnages on a monthly basis and identify methods to increase rates, if possible.	100	We reviewed our recycling and disposal tonnage on a monthly basis and achieved a recycling rate of 44% of all waste received in 2012.	Section Head	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Bergin Waste facility is licensed to handle 19,700 tonnes of waste per annum. A Waste Licence Review Application was submitted to the EPA in 2011 requesting an increase to Maximum Tonnage Per Annum at the facility; no permission given to date. In 2013 we aim to review our waste tonnage on a monthly basis to comply with our waste licence acceptance limit.	50	The total quantity of waste accepted at the premises in the reporting period was 20,682. and the total quantity of waste handled was 21443; Recycling tonnage was 9302; Disposal tonnage was 12141. All material accepted at the facility with the exception of Mixed Municipal Waste is recovered and sent off site to recycling facilities.	Section Head	Improved Environmental Management Practices
Monitoring labels	Ensure all monitoring labels are installed at their designated monitoring points.	80	D2 & D3 monitoring labels taken down to avoid damage during construction work on site. Ensure labels are put back up at monitoring points when construction work is completed.	Section Head	Increased compliance with licence conditions
Site Development	Development of the yard to the North East of the site.	50	EPA Approved Plans submitted by Tobin Consulting Engineers.	Section Head	Installation of infrastructure

Infrastructure Improvement	Reworking of existing drainage in and adjacent to the transfer building; extension and weathering of existing transfer building.	50	EPA Approved Plans submitted by Tobin Consulting Engineers.	Section Head	Installation of infrastructure
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[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.15

REFERENCE YEAR	2012
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1. FACILITY IDENTIFICATION

Parent Company Name	Bergin Waste Disposal Limited
Facility Name	Bergin Waste Disposal Limited
PRTR Identification Number	W0163
Licence Number	W0163-01

Waste or IPPC Classes of Activity

No.	class_name
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
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.
4.11	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
4.13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
Address 1	Ballaghaderreen Industrial Estate
Address 2	Ballaghadereen
Address 3	County Roscommon
Address 4	
	Roscommon
Country	Ireland
Coordinates of Location	-8.5906 53.9031
River Basin District	IEGBNISH
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Ann Clarke
AER Returns Contact Email Address	aclarke@jmlwaste.ie
AER Returns Contact Position	Facility Manager

AER Returns Contact Telephone Number	094 9860807
AER Returns Contact Mobile Phone Number	086 3524921
AER Returns Contact Fax Number	094 9860878
Production Volume	0.0
Production Volume Units	0
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	31
User Feedback/Comments	
Web Address	

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?	
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) ?	
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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#: W0163 | Facility Name : Bergin Waste Disposal Limited | Filename : PRTR 2012.xls | Return Year : 2012 |

14/04/2013 01:04

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 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		METHOD		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		METHOD		Please enter all quantities in this section in KGs			QUANTITY			
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	Emission Point 2	Emission Point 3	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description						
210	Dust	M	PER	Bergerhoff VD12119	8520.0	8760.0	3600.0	20880.0	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	Bergin Waste Disposal Limited				Facility Total Capacity m3 per hour
	T (Total) kg/Year	M/C/E	Method Code	Designation or Description	
Total estimated methane generation (as per site model)	0.0				N/A
Methane flared	0.0				0.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

[PRTR# : W0163 | Facility Name : Bergin Waste Disposal Limited | Filename : PRTR 2012.xls | Return Year : 2012 |

14/04/2013 01:04

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		METHOD USED			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

Please enter all quantities in this section in KGs

POLLUTANT		METHOD USED			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

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

Please enter all quantities in this section in KGs

POLLUTANT		METHOD USED			QUANTITY				
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	SW1	SW2	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
303	BOD	M	PER	Gravimetric	60.0	60.0	120.0	0.0	0.0
240	Suspended Solids	M	PER	Gravimetric	255.0	165.0	420.0	0.0	0.0
324	Mineral oils	M	PER	Analysis by accredited lab	6.0	6.0	12.0	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# : W0163 | Facility Name : Bergin Waste Disposal Limited | Filename : PRTR 2012.xls | Return

SECTION A : PRTR POLLUTANTS

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

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
			Method Code	Designation or Description			
303	BOD	M	PER	Gravimetric	FW1 7230.0	7230.0	0.0
306	COD	M	PER	Gravimetric	16830.0	16830.0	0.0
240	Suspended Solids	M	PER	Gravimetric	3240.0	3240.0	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

F (Fugitive) KG/Year	0.0

F (Fugitive) KG/Year	0.0
	0.0
	0.0
	0.0