

### Facility Information Summary

AER Reporting Year	2014
Licence Register Number	W0163-01
Name of site	Bergin Waste Disposal Ltd.
Site Location	Ballaghaderreen, County Roscommon
NACE Code	3821
Class/Classes of Activity	50.1
National Grid Reference (6E, 6 N)	161255E, 295035N

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.**

Barna Recycling operators a Waste Transfer Station and Recycling Facility at Ballaghaderreen Industrial Estate, Ballaghaderreen, County Roscommon. The facility currently operators in accordance with a Waste Licence W0163-01, under this licence Barna Recycling is licensed to accept non-hazardous waste consisting of household, commercial, and construction and demolition waste. The maximum annual quantity of waste to be accepted at the facility is 19,700 tpa, the total quantity accepted at the premises in the reporting period was 19,684 tonnes. 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 carried out in 2014 consisted of some repair work to deformed sewer/drain which was carried out by Connaught Drains. The remaining repair work identified in the integrity report from CCTV testing of the underground drainage will be repaired in 2015. All licence monitoring in 2014 namely Water, Dust and Noise were in compliance with our EPA Licence. Three new procedures were introduced in 2014 to improve Environmental Performance on site namely Waste Material Control, Odour Management and Hardstand Review and Maintenance. We achieved a recycling rate of 42% in 2014 exceeding our target rate of 41%, we aim to recycle 43% in 2015.

#### 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.

*Ann Clarke*

Signature  
Group/Facility manager  
(or nominated, suitably qualified and  
experienced deputy)

*31st March 2015*

Date

**AIR-summary template** Lic No: W0163-01 Year 2014

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

Yes  
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. ☐

**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  
Yes

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](#)

**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
Emmission Point 1	Dust	3 times a year	No	350 (mg/m <sup>2</sup> /day)	164.6666667	mg/m2/day	yes	PER	9880	
Emmission Point 2	Dust	3 times a year	No	350 (mg/m <sup>2</sup> /day)	78.33333333	mg/m2/day	yes	PER	4700	
Emmission Point 3	Dust	3 times a year	No	350 (mg/m <sup>2</sup> /day)	89.33333333	mg/m2/day	yes	PER	5360	
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

<b>AIR-summary template</b>	Lic No: W0163-01	Year: 2014
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<b>Continuous Monitoring</b>
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<p>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)</p>	No	
<p>5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below</p>	SELECT	
<p>6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?</p>	SELECT	
<p>7 Did your site experience any abatement system bypasses? If yes please detail them in table A3 below</p>	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
	SELECT			SELECT	SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					

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

**Table A3: Abatement system bypass reporting table** [Bypass protocol](#)

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

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

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

**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 thereof	Compliance
					SELECT
					SELECT

**Table A5: Solvent Mass Balance summary**

(I) Inputs (kg)		(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
							Total	

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 only need to complete table W1 and or W2 for storm water analysis and visual inspections

Yes	
Yes	

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

**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
FW1	downstream	None	BOD	March, June, August, November	350	All values < ELV	12.25	mg/L	yes	
FW1	downstream	None	COD	March, June, August, November	500	All values < ELV	70	mg/L	yes	
FW1	downstream	None	Suspended Solids	March, June, August, November	300	All values < ELV	35.75	mg/L	yes	
FW1	downstream	Total phosphorus	Total phosphorus	March, June, August, November	2	All values < ELV	0.99275	mg/L	yes	
SD1	downstream									Insufficient Flow For Sampling
SW1	upstream	None	Mineral oils	March, June, August, November	5	All values < ELV	0.24375	mg/L	yes	
SW2	downstream	None	Mineral oils	March, June, August, November	5	All values < ELV	0.08125	mg/L	yes	

\*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

SELECT	
SELECT	

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 Assessment of Quality checklist](#) [Assessment of results checklist](#)

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

Emission reference no:	Emission released to	Parameter/ Substance>Note 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof <sup>Note 2</sup>	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)
	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**

Additional Information

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

SELECT	
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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

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 W5 below

SELECT	
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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
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

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: **W0163-01** Year **2014**

**Bund testing** dropdown menu click to see options

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
- 2 Please provide integrity testing frequency period
- 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)
- 4 How many bunds are on site?
- 5 How many of these bunds have been tested within the required test schedule?
- 6 How many mobile bunds are on site?
- 7 Are the mobile bunds included in the bund test schedule?
- 8 How many of these mobile bunds have been tested within the required test schedule?
- 9 How many sumps on site are included in the integrity test schedule?
- 10 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?

Additional information	
Yes	
3 years	
Yes	
One	
All	
One	
No	
None	
N/A	
N/A	
N/A	
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)
Not Applicable	reinforced concrete	N/A	25% of total storage volume: 1.54m³	6.15³	110% of volume of largest vessel: 2.75m³	Other (please specify)	Hydrostatic	10/01/2014	Yes	Pass		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

- 15 BS8007/EPA Guidance? [bundings and storage guidelines](#)
- 16 Are channels/transfer systems to remote containment systems tested?
- 17 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
Yes	
Yes	
Yes	

**Pipeline/underground structure testing**

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

- 1 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)

Yes	
3 years	

**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)
1	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass				SELECT
2	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Fail	Foul Man Hole 10 to Gully 18. Position at 5:90 Grade 4:- Broken pipe 9 to 11 O' Clock. Position at 19:90 Grade 4 :- Broken pipe 1 to 4 O' Clock , also Grade 5:- Deformed sewer / drain, 40%	Connaught Drains carried out the repairs to the wastewater drainage system on the 15th of December 2014	2017	
3	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass				
4	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass				
5	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass				
6	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass				
7	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass				
8	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass				
9	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass				
10	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass				

Bund/Pipeline testing template			Lic No:	W0163-01	Year	2014				
11	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
12	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
13	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
14	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
15	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
16	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
17	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
18	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
19	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
20	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
21	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
22	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
23	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
24	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
25	Foul	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
1	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
2	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
3	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
4	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
5	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
6	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
7	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
8	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
9	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
10	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
11	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
12	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
13	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
14	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
15	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
16	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Fail	Gully 4 to Storm Man Hole 2. Position at 1.34 Grade 2:- Deformed sewer / drain, 5%.		
17	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			
18	Storm	other(please specify) Polyvinyl Chloride	Yes	Pipe in channel	CCTV	Yes	Pass			

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



Comments		
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	no	Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
2 Are you required to carry out soil monitoring as part of your licence requirements?	SELECT	
3 Do you extract groundwater for use on site? If yes please specify use in comment section	SELECT	
4 Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	SELECT	
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	

Please enter interpretation of data here

**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

<b>Groundwater/Soil monitoring template</b>	Lic No: W0163-01	Year: 2014
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\*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 [Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites \(EPA 2013\)](#) (see the link in G31)

<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>	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><a href="#">Groundwater</a></td> <td style="text-align: center;"><a href="#">Drinking water</a></td> </tr> <tr> <td style="text-align: center;"><a href="#">Surface water EQS</a></td> <td style="text-align: center;"><a href="#">regulations</a></td> </tr> <tr> <td style="text-align: center;"><a href="#">GTV's</a></td> <td style="text-align: center;"><a href="#">standards</a></td> </tr> <tr> <td style="text-align: center;"><a href="#">(private supply)</a></td> <td style="text-align: center;"><a href="#">Drinking water (public supply) standards</a></td> </tr> <tr> <td style="text-align: center;"><a href="#">Interim Guideline Values (IGV)</a></td> <td></td> </tr> </table>	<a href="#">Groundwater</a>	<a href="#">Drinking water</a>	<a href="#">Surface water EQS</a>	<a href="#">regulations</a>	<a href="#">GTV's</a>	<a href="#">standards</a>	<a href="#">(private supply)</a>	<a href="#">Drinking water (public supply) standards</a>	<a href="#">Interim Guideline Values (IGV)</a>	
<a href="#">Groundwater</a>	<a href="#">Drinking water</a>										
<a href="#">Surface water EQS</a>	<a href="#">regulations</a>										
<a href="#">GTV's</a>	<a href="#">standards</a>										
<a href="#">(private supply)</a>	<a href="#">Drinking water (public supply) standards</a>										
<a href="#">Interim Guideline Values (IGV)</a>											

**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: W0163-01

Year 2014

[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	€215,670.00	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	€215,670.00	
6	Financial Provision for ELRA - type	Bond	
7	Financial provision for ELRA expiry date	Expiry of licence	
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	€53,838.00	
12	Financial Provision for Closure - type	Bond	
13	Financial provision for Closure expiry date	Expiry of licence	

Environmental Management Programme/Continuous Improvement Programme template		Lic No: W0163-01	Year 2014
Highlighted cells contain dropdown menu click to view		Additional Information	
1	Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	Yes	Submitted to the EPA 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	In 2015 we aim to recycle 43% of all waste received in reporting year., and review recycling and disposal tonnages on a monthly basis and identify methods to increase rates, if possible.	90	In 2014 we aimed to recycle 41% of all waste received in reporting year, we reviewed our recycling and disposal tonnage on a monthly basis. A recycling rate of 42% was achieved, we achieved our projected target for 2014.	Section Head	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Handled 19,700 tonnes of waste. Continue to review our waste tonnage on a monthly basis to comply with our waste licensed acceptance limit. Submit a proposal to the Agency to increase site capacity to 25,00 Per Annual.  Continue to review and improve our storage of material on site with our weekly stock pile inspection.  Continue to review and improve our drainage network and implement necessary improvements.	90	In 2014 we aimed to review our waste tonnage on a monthly basis to comply with our waste licence acceptance limit. The maximum annual quantity of waste to be accepted at the facility is 19,700 tpa. The total quantity of waste accepted at the premises in the reporting period was 19,684 tonnes: we achieved our licence acceptance limit for 2014.  In 2014 we implemented a procedure in our weekly facility inspection to check storage of material on site to manage our materials more affectively .	Section Head	Increased compliance with licence conditions
Groundwater protection	Continue to carry out weekly inspections of the hardstanding area for defects and debris to increase the protection to groundwater.	90	In 2014 we implemented a procedure in our weekly facility inspection to check the hardstanding areas for defects and debris to increase the protection to groundwater.	Section Head	Improved Environmental Management Practices
Site Development	Complete development of the yard to the North East of the site. Apply Tar and Chip finish to the North East area of the yard and reschedule the proposal to relocate the civic amenity area to the North East yard.	50	The site development work was not completed in 2014.	Section Head	Installation of infrastructure

Environmental Management Programme/Continuous Improvement Programme template		Lic No: W0163-01	Year 2014
Infrastructure Improvement	<p>Integrity report from CCTV testing of the Storm Water and Wastewater Drainage in 2014 identified issues in relation to the integrity of the drainage, the details are as follows:</p> <ul style="list-style-type: none"> <li>▪ Storm Water "Minor collapse risk in short term but potential for further deterioration"</li> <li>▪ Foul Water "Deformed sewer/drain, 40%. The deformed sewer/drain was partly repaired in December 2014, with the remaining repair work to be completed in 2015 along with the Storm Water repairs.</li> </ul>	30	<p>Complete the repair works identified in the integrity report from CCTV testing of the Storm Water and Wastewater Drainage.</p> <p>Section Head</p> <p>Installation of infrastructure</p>
Training	Review all staff records on site and devise a training plan to enhance their skillset	80	<p>Staff records are review continually to identify training requirements.</p> <p>Section Head</p> <p>Improved Environmental Management Practices</p>

**Noise monitoring summary report**

Lic No: **W0163-01** Year **2014**

**2014**

1 Was noise monitoring a licence requirement for the AER period?

Yes

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?

[Noise Guidance note NG4](#)

Yes

3 Does your site have a noise reduction plan

No

4 When was the noise reduction plan last updated?

Enter date

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

No

**Table N1: Noise monitoring summary**

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>90</sub>	LA <sub>50</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
13.11.14	3X30 Minutes	N1:- Outside main entrance gate		55.4,60.6,56.9	49.0,48.8,46.8	57.8,64.1,46.8	83.0,81.6,82.2	No	SELECT	Heavy vehicles, cars entering and exiting the site	Yes
13.11.14	3X30 Minutes		N5:- Entrance to industrial Estate	61.7,58.0,59.3	54.8,44.6,44.6	59.4,57.5,56.9	83.580.8,82.7	No		Extractor fan at tobacco factory, passing traffic	Yes
13.11.14	3X30 Minutes		N6:- 250m North West of the site	48.8,48.8,53.4	44.4,45.9,48.0	50.9,52.8,56.4	63.5,70.4,67.2	No		Steel loading at engineering company, fan noise from tobacco factory	Yes
13.11.14	3X30 Minutes		N7:- 200m South West of the site	46.6,46.4,43.5	40.5,38.9,38.3	45.6,43.8,44.5	68.7,68.6,66.7	No		Level low typical to normal conutryside noises	Yes

\*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?

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

## Resource Usage/Energy efficiency summary

Lic No:

W0163-01

Year 2014

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

## Additional information

Enter date of audit	Not required by our licence
No	
N/A	

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)	N/A	N/A	N/A	
Total Energy Generated (MWHrs)	N/A	N/A	N/A	
Total Renewable Energy Generated (MWHrs)	N/A	N/A	N/A	
Electricity Consumption (MWHrs)	53888	70050	N/A	
Fossil Fuels Consumption:	N/A	N/A	N/A	
Heavy Fuel Oil (m3)	N/A	N/A	N/A	
Light Fuel Oil (m3)	N/A	N/A	N/A	
Natural gas (m3)	N/A	N/A	N/A	
Coal/Solid fuel (metric tonnes)	N/A	N/A	N/A	
Peat (metric tonnes)	N/A	N/A	N/A	
Renewable Biomass	N/A	N/A	N/A	
Renewable energy generated on site	N/A	N/A	N/A	

\* 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 <sup>3</sup> /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater	N/A						
Surface water	N/A						
Public supply	N/A						
Recycled water	N/A						
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.



**Resource Usage/Energy efficiency summary**

Lic No:

W0163-01

Year 2014

\*\* 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)	N/A				
Non-Hazardous (Tonnes)	N/A				

<b>Resource Usage/Energy efficiency summary</b>	Lic No: W0163-01	Year 2014
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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
Not a requirement of our licence			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	N/A				
Primary Fuel	N/A				
Thermal Efficiency	N/A				
Unit Date of Commission	N/A				
Total Starts for year	N/A				
Total Running Time	N/A				
Total Electricity Generated (GWH)	N/A				
House Load (GWH)	N/A				
KWH per Litre of Process Water	N/A				
KWH per Litre of Total Water used on	N/A				



<b>WASTE SUMMARY</b>	Lic No: W0163-01	Year: 2014
<b>SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES</b>	<a href="#">PRTR facility login</a>	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

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

No	
No	

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

**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)**

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 applies to relevant EWC code <a href="#">European Waste Catalogue EWC codes</a>	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 -
19,700	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste	11505	11761		Slightly varies from year to year	0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	20	11
	20 01 99	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Dry Recyclables	3973	2984		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)	10	15
	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable Kitchen & Canteen Waste	137	589		Decrease in tonnage due to trucks going directly to Envirogrind compost facility.	0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting as another biological transformation processes)which includes gasification and pyrolysis	0	0
	20 01 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Paper	306	6		Increase in tonnage due to increase in bussiness from companies	52%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting as another biological transformation processes)which includes gasification and pyrolysis	0	0
	20 01 10	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Clothes	1	1		Slightly varies from year to year	0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resulting in recovery of the soil and recycling of inorganic construction materials	0	0
	20 01 36	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Discarded Electrical & Electronic Equipment	1	4		Slightly varies from year to year	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	5	2





**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 SS3(A)(5) of WMA been submitted in reporting year	Comments
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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**

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

SELECT
SELECT

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

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



#N/A

14/04/2015 13:26

[Guidance to completing the PRTR workbook](#)

# AER Returns Workbook

Version 1.1.18

<b>REFERENCE YEAR</b>	2014
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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

Classes of Activity

No.	class name
-	Refer to PRTR class activities below

Address 1	Ballaghaderreen Industrial Estate
Address 2	Ballaghaderreen
Address 3	
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
<b>AER Returns Contact Name</b>	Ann Clarke
<b>AER Returns Contact Email Address</b>	aclarke@barnarecycling.com
<b>AER Returns Contact Position</b>	Facility Manager
<b>AER Returns Contact Telephone Number</b>	094 9860807
<b>AER Returns Contact Mobile Phone Number</b>	086 3524921
<b>AER Returns Contact Fax Number</b>	094 9860878
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	0
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	31
<b>User Feedback/Comments</b>	
<b>Web Address</b>	

## 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) ?	
--	--

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



4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

#N/A

14/04/2015 13:26

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

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

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

**SECTION B : REMAINING PRTR POLLUTANTS**

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

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

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

RELEASES TO AIR		METHOD			Please enter all quantities in this section in KGs					
POLLUTANT		Method Used			QUANTITY					
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
210	Dust	M	PER	Bergerhoff Method	9880.0	4700.0	5360.0	19940.0	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				
	T (Total) kg/Year	M/C/E	Method Code	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 engines	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](#)

#N/A

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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		RELEASERS TO WATERS			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	Method Used		QUANTITY			
			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**

POLLUTANT		RELEASERS TO WATERS			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	Method Used		QUANTITY			
			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)**

POLLUTANT		RELEASERS TO WATERS			Please enter all quantities in this section in KGs				
Pollutant No.	Name	M/C/E	Method Used		QUANTITY				
			Method Code	Designation or Description	Emission Point 1	Emission Point 2	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
303	BOD	M	PER	Gravimetric	90.0	90.0	180.0	0.0	0.0
240	Suspended Solids	M	PER	Gravimetric	210.0	120.0	330.0	0.0	0.0
324	Mineral oils	M	PER	Accredited Lab	42.135	40.335	82.47	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](#)

#N/A

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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 Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					0.0	0.0	0.0	0.0

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
303	BOD	M	PER	Gravimetric	735.0	735.0	0.0	0.0
306	COD	M	PER	Gravimetric	4200.0	4200.0	0.0	0.0
<b>240</b>	<b>Suspended Solids</b>	M	PER	Gravimetric	2145.0	2145.0	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

#N/A

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Please enter all quantities on this sheet in Tonnes

0

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility		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		Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste : Address of Recover/Disposer		
Within the Country	15 01 01	No	421.0	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Headford Road,,Co. Galway,,Ireland		
Within the Country	15 01 02	No	12.0	plastic packaging	R3	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02 Duffy Tyre Recycling Ltd,ROC UT 3758 WFP-DL-010-0118-01	Headford Road,,Co. Galway,,Ireland		
Within the Country	16 01 03	No	6.0	end-of-life tyres	R5	M	Weighed	Offsite in Ireland	O'Connors Recycling Waste Management ,WFP-RN-10-0001-01	Tonyhaboc,N/A,Newtowncunningham,Donegal,Ireland		
Within the Country	17 02 01	No	175.0	wood	R3	M	Weighed	Offsite in Ireland	Wilton Waste & Recycling Ltd. ,WFP-CN-10-0005-01	Roxborough,2,Co. Roscommon,,Ireland		
Within the Country	17 04 07	No	87.0	mixed metals	R4	M	Weighed	Offsite in Ireland	Joe Mc Loughlin Waste Disposal Ltd.,W0216-01	Cavan,,Ireland		
Within the Country	17 08 02	No	6.0	gypsum-based construction materials other than those mentioned in 17 08 01	R5	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02 Gannon Eco Split Hill Quarries,WFP-WM-2009-0007-01	Ardcolum,Drumshanbo,Co. Leitrim,,Ireland		
Within the Country	20 01 01	No	290.0	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02 Textile Recycling Ltd.,WPRO14/2	Headford Road,,Co. Galway,,Ireland		
Within the Country	20 01 02	No	16.0	glass	R5	M	Weighed	Offsite in Ireland	Electrical Waste Management Ltd.,WFP-DS-09-0012-01	Ballinagore,,Co. Westmeath,,Ireland		
Within the Country	20 01 08	No	110.0	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Wilton Waste & Recycling Ltd. ,WFP-CN-10-0005-01	Headford Road,,Co. Galway,,Ireland		
Within the Country	20 01 10	No	1.0	Clothes discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland	Arigna Fuels,WFP-RN-09-0003-01	Tallaght,,Dublin 24,,Ireland		
Within the Country	20 01 36	No	5.0	20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Rathcoole,,Co. Dublin,,Ireland		
Within the Country	20 01 40	No	172.0	metals	R4	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Crosserlough,,Co. Cavan,,Ireland		
Within the Country	20 01 38	No	24.0	wood other than that mentioned in 20 01 37	R1	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Derreenavoggy,Arigna ,Co. Roscommon,,Ireland		
Within the Country	20 01 39	No	72.0	plastics	R12	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Headford Road,,Co. Galway,,Ireland		
Within the Country	20 01 40	No	3.0	metals	R4	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Headford Road,,Co. Galway,,Ireland		
Within the Country	20 01 99	No	3235.0	other fractions not otherwise specified	R3	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Headford Road,,Co. Galway,,Ireland		
Within the Country	20 01 99	No	182.0	other fractions not otherwise specified	R3	M	Weighed	Offsite in Ireland	Mulleady's Ltd.,W0169-01	Drumlish,,Co. Longford,,Ireland		
Within the Country	20 02 01	No	42.0	biodegradable waste mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	R3	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Headford Road,,Co. Galway,,Ireland		
Within the Country	17 01 07	No	1170.0	01 06	R10	M	Weighed	Offsite in Ireland	Joseph Bell,COR-MO-12-0018-01	Kilmovee,,Co. Mayo,,Ireland		
Within the Country	20 03 01	No	301.0	mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Starrus Eco Holding Ltd. (Formerly Greenstar WTS),W0058-01	Deepwater Quay,N/A,Co. Sligo,N/A,Ireland		
Within the Country	20 03 01	No	623.0	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Drehid Landfill,W0201-03	Carbury,Naas,Co. Kildare,,Ireland		
Within the Country	20 03 01	No	8920.0	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Rathroeen Landfill,W0067-02	Ballina,,Co. Mayo,,Ireland		
Within the Country	20 03 01	No	129.0	mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Indaver Ireland Ltd.,W0167-02	Duleek,,Co. Meath,,Ireland		
Within the Country	20 03 01	No	848.0	mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Headford Road,,Co. Galway,,Ireland		

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste: Name and Licence/Permit No of Next Destination Facility	Non-Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste: Address of Next Destination Facility	Non-Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used							
Within the Country	20 03 01	No	1776.0	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Limerick Co. Council Gaortadroma Landfill,W0017-04		Ballyhill,,Co. Limerick,,Ireland			
Within the Country	20 01 38	No	329.0	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	O' Connors Recycling Waste Management ,WFP-RN-10- 0001-01		Roxborough,2,Co. Roscommon,,Ireland			
Within the Country	20 01 99	No	684.0	other fractions not otherwise specified	R3	M	Weighed	Offsite in Ireland	Panda Waste,W0140-03		Naas,N/A,Co. Meath,N/A,Ireland			

\* 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](#)