

Facility Information Summary

Licence Register Number
 Name of site
 Site Location
 NACE Code
 Class of Activity
 RBME risk category
 National Grid Reference (4N, 4E)

W0216-01
Barna Waste T/A Joe Mc Loughlin Waste Disposal
Ardcolum, Drumshanbo, County Leitrim
3821
50.1
C1
N1959 E3102

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 Ardcolum, Drumshanbo, County Leitrim. The facility currently operators in accordance with a Waste Licence granted by the EPA – Waste Licence No. W0216-01. Under Waste Licence No. W0216-01, Barna Waste are licensed to accept non-hazardous waste, specific waste types accepted at the facility are Municipal Solid Waste, Mixed Dry Recyclables Kerbside, Packaging Waste, C & D Waste & Scrap Metal. No hazardous or liquid wastes are accepted at the facility. The maximum annual quantity of waste to be accepted at the facility is 24,990 tpa. The total quantity of waste accepted at the premises in the reporting period was 13693. 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. The total quantity of waste recycled in this reporting period was 4000 tonnes out of a total of 13846 managed at the premises. A recycling rate of 29% was achieved, we did not achieve our projected target to recycle 31% of all waste received in 2012 we aim to identify methods to increase rates in 2013, if possible.

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: auto;"/> <p>Signature Group/Facility Manager (or nominated suitably qualified and experienced deputy)</p>	<p><i>29/03/13</i></p> <hr style="width: 80%; margin: auto;"/> <p>Date</p>
---	--

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

Additional Information

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)

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	
----	--

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

No	
----	--

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)
24,990	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste	8,705.00	7,456.00	#REF!	Increase in tonnage due to more customers	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	2,173.00	1,617.00	#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 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Paper and Cardboard	3	0.62		Increase in tonnage due to higher recycling rates	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	0.56	0.32		Slight increase more people leaving accomadations	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	8	0		Slight increase more people leaving accomadations	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	7.89

	20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Metals	19	11.5	Increase in tonnage due to higher recycling rates	0%	R4- Recycling/reclamation of metals and metal compounds	5
	20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable Waste	0	0.56	No tonnage due to Brown Bin introduction	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 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky waste from commercial and domestic skips	1712	2019	Reduction in skips	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
	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Paper and Cardboard Packaging	575	272	Increase in tonnage due to diversion to Mc Loughlin site from Bergin Waste site	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	7	6	Slight increase tonnage varying slightly from year to year	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	26 tonnes of Plastic EWC Code 20 01 39
	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Glass Packaging	210	177	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	34
	16 01 03	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	End-of-life Tyres	2	0	Slight increase tonnage varying slightly from year to year	0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	20
	17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Wood	37	48	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 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil & Stone	242	0	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	20
	17 08 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Gypsum-based construction material	0	17	Skips coming in with Gypsum 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

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

Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite

Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site

Does your facility have relevant nuisance controls in place?
 Do you have an odour management system in place for your facility? If no why?
 Do you maintain a sludge register on site?

SELECT	YES
SELECT	YES
SELECT	N/A

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
Household (residual)	30,000	22,000	120,000	
Industrial non hazardous solids	500	60		

Table 3 General information-Landfill only

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

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

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

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

Table 5 Capping-Landfill only

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

*please note this includes daily cover area

Table 6 Leachate-Landfill only

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

SELECT
SELECT

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&Treat ed 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

Additional information

<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>	<p>Yes</p>	<p>During the reporting period two 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 twice between May and September at four Dust locations namely D1, D2, D3 and D4. No exceedance of licence limit was recorded within monitoring period.</p>
---	------------	---

Table 1 Fugitive emissions

Parameter /Substance	Annual fugitive emission (kg/annum)	Quantificaton method M/C/E
Dust	1548.75	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>	<p>No</p>	
<p>3 Was all monitoring carried out in accordance with EPA guidance note AG2 Basic air monitoring checklist and using the basic air monitoring checklist? AGN2</p>	<p>Yes</p>	

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 & September	No	350 (mg/m ² /day)	20.5	mg//m ² /day	yes	PER	1230	0.10%	
Emission Point 2	Dust	July & September	No	350 (mg/m ² /day)	64.5	mg//m ² /day	yes	PER	3870	0.71%	
Emission Point 3	Dust	July & September	No	350 (mg/m ² /day)	93.5	mg//m ² /day	yes	PER	5610	0.75%	
Emission Point 4	Dust	July & September	No	350 (mg/m ² /day)	28	mg//m ² /day	yes	PER	1680	0.17%	

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
	SELECT			SELECT	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>	Yes	

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		No contamination observed
			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>	No	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;"> 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
SW 1	Water	Mineral oils	composite	January, April, July & November	Monthly	5	All values < ELV	2.4105	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	20th ED.	144.63	0.01%	
SW 2	Water	Mineral oils	composite	January, April, July & November	Monthly	5	All values < ELV	2.645	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	20th ED.	158.7	0.00%	

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

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

Continuous monitoring

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

	Additional Information
No	

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	
--------	--

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

SELECT	
--------	--

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?

Noise
Guidance

Yes

3 Does your site have a noise reduction plan

No

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?

No

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)	Is site compliant with noise limits (day/evening/night)?
25.05.2012	30 minutes	N1:- Inside main gate of site		62	45.9	67.5	80.3	No	SELECT	On-site source:- Due to diesel engine noise & bangs/clangs from machinery unloading skips & trailers	Yes
25.05.2012	30 minutes	N2:- Top open entrance to processing shed		64.5	49.6	69.1	81.9	No		On-site source:- Due to diesel engine noise & bangs/clangs from machinery unloading skips & trailers	Yes
25.05.2012	30 minutes	N3:- Front of processing shed		68.7	62.1	71.8	86.5	No		On-site source:- Due to diesel engine noise & bangs/clangs from machinery unloading skips & trailers	Yes
25.05.2012	30 minutes	N4:- Back of processing shed		58.2	43.1	59.4	76.3	No		On-site source:- Due to diesel engine noise & bangs/clangs from machinery unloading skips & trailers	Yes
25.05.2012	30 minutes		N5:- House across the road from site entrance	59.4	40.1	54	89.9	No		Off-site sources:- Vehicles entering the site and passing traffic	No
25.05.2012	30 minutes		N6:- Farm house North East of site	49.7	44.8	51.8	66.3	No		Off-site sources:- Passing traffic	Yes
25.05.2012	30 minutes		N7:- House North of site	45.6	37.3	47.3	68.2	No		Off-site sources:- Passing traffic	Yes
25.05.2012	30 minutes		N8:- House by Blackrock Lake	42	34	45.6	58.1	No		Off-site sources:- Passing traffic	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?

operational changes

We now shut down engines when they are not in use, ratting parts on vehicles entering and leaving the site are kept to a minimum with extra strapping and rubber vibration absorbers.

Any additional comments? (less than 200 words)

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	2007
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	no
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	SELECT

SEAI - Large
Industry
Energy
Network

Table 1 Energy usage on site				
Energy Use	Previous year kWh	Current year kWh	% compared to previous reporting year**	Consumption +/- % vs overall site production*
Total				
Electricity	135781	140736	1%	
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
14/06/2007	Monitoring & Targets	Assess water usage on site	energy audit	161,704.30	Fire hydrant 2009 & water 2010	Site & Facility Manager	On-going	Recorded on Form 8 & 9
	Fix air leaks on compressed air lines	Repair air leaks	energy audit	237.5	Q4 2007	Site & Facility Manager	Compressers removed off site in 2009	Obsolete
	Change electrivty supplier	Reduce energy bill	energy audit	0	2007	Site & Facility Manager	On-going	Recorded yearly

Complaints

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

	Additional information
Yes	

Table 1 Complaints summary							
Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
15/10/2012	Odour		Neighbour complained of a smell over the weekend	Waste is managed to prevent nuisance odours	Complete	18/10/2012	
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
Total complaints open at start of reporting year	None						
Total new complaints received during reporting year	One						
Total complaints closed during reporting year	One						
Balance of complaints end of reporting year	None						

Incidents

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below

	Additional information
No	

*For information on how to report and what constitutes an incident [What is an incident](#)

Table 2 Incidents summary														
Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurrence
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
Total number of incidents current year														
Total number of incidents previous year														
% reduction/increase														

Groundwater /Contaminated land summary report

	Comments
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	no We are not required to carry out groundwater monitoring as part of our licence.
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 Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	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

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	2006
4	Date of most recent substantial ELRA update	2009
5	What financial instrument/s do you have in place to cover unknown liabilities?	Insurance
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	2006	Bund testing every three years. Regular checks on interceptors and cut-off valves. Interceptors emptied 01/02/2012 effluent removed to Drumshanbo W.W.T.P.	2	€25,000	Yes
Hydrocrabons Leakage	Spillages from bund	Surface water /soil/groundwater contamination	2	Infrastructural improvements	2006	Bund testing every three years. Regular checks on interceptors and cut-off valves. Interceptors emptied 01/02/2012 effluent removed to Drumshanbo W.W.T.P.	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	2006	All waste will be processed in completely contained building which have a reinforced concrete base and metal clad walls and roof. Emergency Response Procedure in place for spillages.	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	2006	investment and training, Emergency Response Procedure in place.	2		Yes
Process Plant failure	Machinery breakdown	Surface water /soil/groundwater contamination	2	Operational controls	2006	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	2006	completely contained building which have a reinforced concrete base and metal clad walls and roof. Emergency Response Procedure in place for spillages. Weekly and daily 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	2006	Ensure emission control measures are maintained to the highest possible standards.	2		Yes
Odour	Odour Management Infrastructure	Odour emissions which may effect human receptors	2	Operational controls	2006	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?	Insurance
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
2006	2	Yes	Yes	Yes	No	No	Yes	6.5 million

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 31% of all waste received in 2012. Review recycling and disposal tonnages on a monthly basis and identify methods to increase rates, if possible. In 2013 we aim to recycle 30% of all waste received.	70	We reviewed our recycling and disposal tonnage on a monthly basis and achieved a recycling rate of 29% of all waste received in 2012. We aim to increase our recycling rate in 2013, if possible.	Section Head	Improved Environmental Management Practices

Materials Handling/Storage/Bunding	<p>Barna Waste T/A Joe Mc Loughlin Waste is licensed to handle 24,990 tonnes of waste per annum. In 2013 we aim to review our waste tonnage on a monthly basis to identify possible recycling options to improve our recycling rate.</p> <p>Storage:-We aim to continue the search for regular outlets for plastic so as to stop stockpiles of plastic accumulating on site and free up our storage area.</p> <p>Bunding:- We aim to have the integrity and water tightness of all bunding structures tested in 2013.</p>	50	<p>The total quantity of waste accepted at the premises in the reporting period was 13693. and the total quantity of waste handled was 13846; Recycling tonnage was 4000; Disposal tonnage was 9846. All material accepted at the facility with the exception of Mixed Municipal Waste is recovered and send off site to recycling facilities. Storage:- Continue to work with our sister site to identify local markets for recyclable materials and develop outlets for all our recycling materials, if possible. Bunding:- Testing of bunds was due to be carried out in 2012 but has been rescheduled and will be completed by the end of Q2 2013. This was due to the pressure on finance at the end of 2012 / beginning of 2013.</p>	Section Head	Improved Environmental Management Practices
Emission Monitoring	<p>Review monitoring reports records and report to the Agency in accordance with Schedule E. Ensure emission control measures are maintained to the highest standards throughout the year to ensure compliance with emission limits.</p>	100	<p>Emission control measures where maintained to the highest possible standards throughout the year and all emission where compliance with emission limits.</p>	Section Head	Increased compliance with licence conditions

Training	Review all staff training records regularly to identify training requirements. Liaise with the Health & Safety Manager to organise training and testing of appliances used on site where needed. Investigate the possibility of putting another member staff through the FAS Waste Management Course (currently 1 person qualified).	80	<p>All staff training records were reviewed and no training was required in 2012.</p> <p>In accordance with The Safety, Health and Welfare at Work (General Application) Regulations, 2007 S. I. No. 299 of 2007, The following machinery was tested on site by King Mechanical Services:- JCB 525B Loadall, Mitsubishi FD30 Diesel Forklift , Fiat Hitachi EX 100 Excavator & Fiat Hitachi EX 130 Excavator. There was no defects noted, alteration or repairs required next thorough examination is due in May 2013.</p> <p>We did not have the finance to put another member of staff through the FAS Waste Management course in 2012 we will review again in 2013.</p>	Section Head	Increased compliance with licence conditions
Additional improvements	Continue to review and improve the structure of our domestic routes to make them more efficient / economical.	10	We are looking at introducing twinpac lorries to improve our domestic routes in 2013 and pay by weight to improve recycling rates, we are also planning on introducing the brown bin to our domestic customers in 2013.	Section Head	Improved Environmental Management Practices



[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.16

REFERENCE YEAR	2012
-----------------------	------

1. FACILITY IDENTIFICATION

Parent Company Name	Barna Waste
Facility Name	Barna Waste
PRTR Identification Number	W0216
Licence Number	W0216-01

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.
3.13	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	Ardcolum
Address 2	Drumshanbo
Address 3	Co Leitrim
Address 4	
	Leitrim
Country	Ireland
Coordinates of Location	-8.06202 54.0417
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	071 9641103
AER Returns Contact Mobile Phone Number	086 3524921
AER Returns Contact Fax Number	071 9641184
Production Volume	0.0
Production Volume Units	0
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	22
User Feedback/Comments	0
Web Address	0

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0216 | Facility Name : Barna Waste | Filename : W0216-01 PRTR 2012.xls | Return Year : 2012 |

13/04/2013 03:38

Please enter all quantities on this sheet in Tonnes

22

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	15 01 01	No	659.0	paper and cardboard packaging	R3	C	Weighed	Offsite in Ireland	Barna Waste,Licence No. W0106-02	Carrowbrown Headford Road Co. Galway,.....Ireland		
Within the Country	15 01 02	No	4.0	plastic packaging	R3	C	Weighed	Offsite in Ireland	Barna Waste,Licence No. W0106-02	Carrowbrown Headford Road Co. Galway,.....Ireland		
Within the Country	20 01 39	No	24.0	plastics	R3	C	Weighed	Offsite in Ireland	Envirogreen Recycling Ltd.,WCP/MH/10/0008-01	Battleford Road,227,Co. Armagh,BT71 7NN,Ireland		
Within the Country	15 01 07	No	151.0	glass packaging	R5	C	Weighed	Offsite in Ireland	Glassdon Ltd.,Permit No. LN/08/103	Toomebridge Co Antrim,....BT 41 3SE,Ireland		
Within the Country	16 01 03	No	14.0	end-of-life tyres	R5	C	Weighed	Offsite in Ireland	Duffy Tyre Recycling,ROC 3758 WFP-DC-010-0118-01	Donegal,N/A,Ireland Carragh Road,Unit 4 Osberstown Business Park,Naas Co. Kildare,N/A,Ireland		
Within the Country	15 01 07	No	30.0	glass packaging	R5	C	Weighed	Offsite in Ireland	Rehab Recycling Ltd.,WFP-KE-08-0357-01			
Within the Country	17 02 01	No	37.0	wood	R3	C	Weighed	Offsite in Ireland	Arigna Fuels Ltd.,Permit No. WRP-RN-09-0003-01	Derreenavoggy Td. Arigna Co. Roscommon,.....Ireland		
Within the Country	20 01 38	No	167.0	wood other than that mentioned in 20 01 37	R3	C	Weighed	Offsite in Ireland	Arigna Fuels Ltd.,Permit No. WRP-RN-09-0003-01	Derreenavoggy Td. Arigna Co. Roscommon,.....Ireland		
Within the Country	17 05 04	No	242.0	soil and stones other than those mentioned in 17 05 03	R5	C	Weighed	Offsite in Ireland	Patrick Gaynor,Permit No. COR-RN-09-0013-01	Castlerea Co. Roscommon,.....Ireland		
Within the Country	20 01 36	No	8.0	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R13	C	Weighed	Offsite in Ireland	RILTA Enviromental Ltd.,W0192-03	Greenogue Business Park,Co. Dublin,N/A,Ireland		
Within the Country	17 08 02	No	0.0	gypsum-based construction materials other than those mentioned in 17 08 01	R5	C	Weighed	Offsite in Ireland	Envirogrind,Permit No. ENV/143/WP04.08	Pettigo Co. Donegal,.....Ireland		
Within the Country	20 01 01	No	0.32	paper and cardboard	R3	C	Weighed	Offsite in Ireland	Barna Waste,Licence No. W0106-02	Carrowbrown Headford Road Co. Galway,.....Ireland		
Within the Country	20 01 08	No	604.0	biodegradable kitchen and canteen waste	R3	C	Weighed	Offsite in Ireland	Envirogrind,Permit No. ENV/143/WP04.08	Pettigo Co. Donegal,.....Ireland		
Within the Country	20 01 10	No	0.56	clothes	R5	C	Weighed	Offsite in Ireland	Textile Recycling Ltd.,Permit No. WPRO14/2	Tallaght Dublin 24,.....Ireland		
Within the Country	20 01 40	No	5.0	metals	R4	C	Weighed	Offsite in Ireland	Barna Waste,Licence No. W0106-02	Carrowbrown Headford Road Co. Galway,.....Ireland		
Within the Country	20 01 40	No	69.0	metals	R4	C	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd.,Permit No. WP 06/30	Kiffa Crosserlough Co. Cavan,.....Ireland		
Within the Country	20 01 99	No	1985.0	other fractions not otherwise specified	R13	C	Weighed	Offsite in Ireland	Barna Waste,Licence No. W0106-02	Carrowbrown Headford Road Co. Galway,.....Ireland		
Within the Country	20 02 01	No	0.0	biodegradable waste	R3	C	Weighed	Offsite in Ireland	Mc Weeney,Permit No. S 807/19/06/06	Tonagh Co. Leitrim,.....Ireland		
Within the Country	20 03 01	No	975.0	mixed municipal waste	D10	C	Weighed	Offsite in Ireland	Indaver Incinerator,Licence No. W0167-02	Carranstown Duleek Co. Meath,.....Ireland		
Within the Country	20 03 01	No	650.0	mixed municipal waste	D13	C	Weighed	Offsite in Ireland	Drehid Landfill,Licence No. W0201-03	Killinagh Upper Carbury Co. Kildare,.....Ireland		
Within the Country	20 03 01	No	747.0	mixed municipal waste	D13	C	Weighed	Offsite in Ireland	Scotch Corner Landfill ,W020-01	Annyalla,Castleblaney,Co. Monaghan,N/A,Ireland		
Within the Country	20 03 01	No	1432.0	mixed municipal waste	D13	C	Weighed	Offsite in Ireland	Kilconnell Landfill,Licence No. W0178-02	Ballinasloe 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	172.0	mixed municipal waste	D13	C	Weighed	Offsite in Ireland	Derrinmera Landfill,W021-02	Newport,,Co. Mayo,N/A,Ireland		
Within the Country	20 03 01	No	2941.0	mixed municipal waste	D13	C	Weighed	Offsite in Ireland	Ballynacarrick Landfill,W0024-04	Ballintra,,Co. Donegal,N/A,Ireland		
Within the Country	20 03 01	No	2929.0	mixed municipal waste	D13	C	Weighed	Offsite in Ireland	Rathroeen Landfill,W0067-02	Ballina,,Co. Mayo,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](#)