

Facility Information Summary

AER Reporting Year	2013
Licence Register Number	W0216-01
Name of site	Barna Recycling
Site Location	Ardcolum, Drumshanbo, County Leitrim
NACE Code	3821
Class/Classes of Activity	50.1
National Grid Reference (6E, 6 N)	N1959 E3102

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 Ardcolum, Drumshanbo, County Leitrim. The facility currently operators in accordance with a Waste Licence W0216-01. Barna Recycling 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. 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 16,000 the total amount recycled was 5381 tonnes giving us a recycling rate of 33% .We aim to identify methods to increase rates in 2014, if possible. 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. We had no infrastructural changes on site in 2013. We had no exceedances of licence limits in 2013.

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.

<i>Ann Clarke</i>	<i>31/03/2014</i>
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

AIR-summary template

Lic No:

W0216-01

Year

2013

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

Additional information

Dust monitoring is carried out twice between May and September at four locations namely D1,D2,D3, & D4. 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

- 3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? [Basic air monitorin](#)

[AGN2](#)

Yes

Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments -reason for change in % mass load from previous year if applicable
Emission 1	Dust	Twice Annually	No	350 (mg/m ² /day)	62	mg/m ² /day	yes	PER	3720	
Emission 2	Dust	Twice Annually	No	350 (mg/m ² /day)	38.5	mg/m ² /day	yes	PER	2310	
Emission 3	Dust	Twice Annually	No	350 (mg/m ² /day)	75	mg/m ² /day	yes	PER	4500	
Emission 4	Dust	Twice Annually	No	350 (mg/m ² /day)	42	mg/m ² /day	yes	PER	2520	

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

AIR-summary template	Lic No:	W0216-01	Year	2013
Continuous Monitoring				

4	Does your site carry out continuous air emissions monitoring? If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)	No
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	SELECT
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	SELECT

Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision 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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0216-01 Year 2013

		Additional information	
1	Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licenced emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections	Yes	Surface water monitoring is carried out quarterly at two locations namely SW1 & SW2. No exceedance of licence was recorded within the monitoring period.
2	Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections	Yes	

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
SW1	downstream	NONE	Mineral oils	January, April, July & October	5	All values < ELV	0.2675	mg/L	yes	
SW2	downstream	NONE	Mineral oils	January, April, July & October	5	All values < ELV	0.1945	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	No	Additional information
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 L Assessment of results c	SELECT	

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

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT			

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

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

Continuous monitoring

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

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

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

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

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 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 Please provide integrity testing frequency period
- 2 Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore")
- 3 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	Due to financial pressure in 2013 no testing was carried out.. Testing has been carried out in Quarter 1 of 2014.
3 years	
Yes	
3	
3	
0	
N/A	
N/A	
N/A	
N/A	
N/A	
SELECT	
SELECT	
SELECT	

Table B1: Summary details of bund /containment structure integrity test

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? [bundings and storage guidelines](#)

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

Commentary	
N/A	No testing carried out
N/A	
N/A	

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 1 underground structures and pipelines on site **which failed the integrity test and all which have not been tested within the integrity test period as specified**

- 2 Please provide integrity testing frequency period
- *please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

Yes	No testing carried out
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 secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

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

		Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	no
2	Are you required to carry out soil monitoring as part of your licence requirements?	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. Groundwater monit	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 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

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

Groundwater/Soil monitoring template		Lic No:	W0216-01	Year	2013
<p>*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA.</p>		<p>Groundwater monitoring template</p>			
<p>More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)</p>		<p>Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).</p>			
<p>**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)</p>		<p>Surface water Groundwater re Drinking water (private Drinking water (public supply), Interim Guideline Value)</p>			

Groundwater/Soil monitoring template

Lic No:

W0216-01

Year

2013

Table 3: Soil results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit
							SELECT
							SELECT

Where additional detail is required please enter it here in 200 words or less

Environmental Liabilities template

Lic No:

W0216-01

Year

2013

[Click here to access EPA guidance on Environmental Liabilities and Financial provisio](#)

			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	€25,000	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	€25,000	
6	Financial Provision for ELRA - type	Public & Employee liability Insurance	
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	6.5 million & 13 million	
12	Financial Provision for Closure - type	Public & Employee liability Insurance	
13	Financial provision for Closure expiry date	expiry of licence	

Environmental Management Programme/Continuous Improvement Programme template	Lic No:	W0216-01	Year 2013
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		Additional Information
Highlighted cells contain dropdown menu click to view		
1 Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	Yes	Submitted to the Agency in 2006
2 Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	Updated Annually
3 Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	Updated Annually
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 the 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 2013 we aimed to recycle 30% of all waste received. In 2014 we aim to review recycling and disposal tonnages on a monthly basis and identify methods to increase rates, if possible. We aim to recycle 34% of all waste received in 2014.	90	In 2013 we reviewed our recycling and disposal tonnage on a monthly basis and achieved a recycling rate of 33%.	Section Head	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Barna Recycling T/A Joe Mc Loughlin Waste Disposal is licensed to handle 24,990 tonnes of waste per annum. Storage:- We aimed in 2013 to find regular outlets for plastic to stop stockpiling occurring. Bund:- We aimed in 2013 to have the integrity and water tightness of all bunding structures tested in 2013.	70	The total quantity of waste accepted at the premises in the reporting period was 16,000 tonnes, the total tonnage recycled was 5381, and the total of disposal tonnage was 10619. Storage:- We found an outlet for Plastic and are no longer stockpiling. Bund:- We were unable to test our bunds in 2013 due to financial pressure. They were tested in January 2014.	Section Head	Increased compliance with licence conditions

<p>Training</p>	<p>Review all staff training records regularly to identify training requirements.</p>	<p>90</p>	<p>All staff training records where reviewed in 2013 the following training took place:- Forklift Training and 360°c Excavator Training. All machinery in the yard where tested and passed by King Mechanical Services.</p>	<p>Section Head</p>	<p>Improved Environmental Management Practices</p>
<p>Additional Improvements</p>	<p>Continue to review and improve the structure of our Domestic routes to make them more efficient/economical</p>	<p>80</p>	<p>We have introduced some twinpac lorries and are in the process of introducing pay by weight, we have also started rolling out the brown bin to our domestic customers.</p>	<p>Section Head</p>	<p>Improved Environmental Management Practices</p>

Noise monitoring summary report

Lic No: **Wo216-01** Year **2013**

1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 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?

Yes

[Noise Guidance](#)

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 _{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)?
18/11/2013	3X30 minutes	N1:- Inside main gate		60.4, 64.4, 63.9	35.7, 47.2, 47.8	62.5, 68.6, 67.5	81.9, 80.7, 80.7	No	N/A	Traffic entering & leaving the site	Yes
18/11/2013	3X30 minutes	N2:- Top open entrance to processing shed		57.5, 62.6, 49.0	51.0,47.1,38.2	62.4,44.4,48.8	74.6, 82.5, 77.4	No	N/A	Engine noise from the shed	Yes
18/11/2013	3X30 minutes	N3:- Front of processing shed		70.5, 70.8, 69.8	69.7, 66.1, 61.8	71.3, 72.4, 71.9	83.5, 82.3, 84.3	No	N/A	Truck engines	Yes
18/11/2013	3X30 minutes	N4:- Back of processing shed		58.7, 51.9, 56.8	48.7, 46.6, 48.4	62.1, 55.4, 59.3	84.3, 73.0, 82.7	No	N/A	Loading operations within the shed	Yes
18/11/2013	3X30 minutes		N5:- House across the road from main entrance	69.4, 67.5, 67.0	49.2, 47.2, 47.1	70.1, 67.3, 67.0	92.1, 87, 87.1	No	N/A	Road traffic , radio close by the site	No
20/11/2013	3X30 minutes		N6:- Farm house North East of site	64.4, 51.5, 51.3	48.7, 46.4, 45.5	60, 54.4, 54.6	95.1, 68.9, 67.3	No	N/A	Inclement weather conditions	Yes
18/11/2013	3X30 minutes		N7:- House North of site	48.9, 46.9, 58.1	38.3, 37.4, 41.9	52.5, 50.6, 62.6	75.2, 68.6, 74.9	No	N/A	Traffic from main road	Yes
20/11/2013	3X30 minutes		N8:- House by Blackrock Lake	53.2, 55.8, 54.4	41.6, 46, 48.1	56.0, 56.2, 57.3	80.6, 93.6, 71.6	No	N/A	Inclement weather conditions	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

operational changes

The radio noise is gone due to the builders completing there work, the traffic has reduced due to less volumes of waste coming into the site.

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No:

W0216-01

Year

2013

Additional information

1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below

Enter date of au	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 [SEAI - Large Industry](#) 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

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 (MM	N/A	N/A	N/A	N/A
Total Energy Generated	N/A	N/A	N/A	N/A
Total Renewable Energy	N/A	N/A	N/A	N/A
Electricity Consumption	140736	94094	N/A	N/A
Fossil Fuels Consumption	N/A	N/A	N/A	N/A
Heavy Fuel Oil (m3)	N/A	N/A	N/A	N/A
Light Fuel Oil (m3)	N/A	N/A	N/A	N/A
Natural gas (m3)	N/A	N/A	N/A	N/A
Coal/Solid fuel (metric tonnes)	N/A	N/A	N/A	N/A
Peat (metric tonnes)	N/A	N/A	N/A	N/A
Renewable Biomass	N/A	N/A	N/A	N/A
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 R2 Water usage on site

N/A

Water Emission: Water Consumption

Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply							
Recycled water							
Total							

* where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Table R3 Waste Stream Summary

N/A

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					

Resource Usage/Energy efficiency summary

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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
14/06/2007	Monitoring & Targets	Assess water usage on site	energy audit	161,704.30	2009 & 2010	Management	On-going	Recorded on Forms 8&9
14/06/2007	Change electricity supplier	Reduce energy bill	energy audit	237.5	2007	Management	On-going	Recorded yearly
			SELECT					

Table R5: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry) please complete the following information

N/A

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology					
Primary Fuel					
Thermal Efficiency					
Unit Date of Commission					
Total Starts for year					
Total Running Time					
Total Electricity Generated (GWH)					
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used on Site					

WASTE SUMMARY	Lic No:	W0216-01	Year	2013
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES		PRTR facility logon	dropdown list click to see options	

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

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 1 boundaries is to be captured through PRTR reporting)*

If yes please enter details in table 1 below

Additional Information

Yes	
-----	--

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	
----	--

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

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 PRTR workbook)

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code	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 -
24,990	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste	10,619	8,705		Increase due to waste diverted from Bergin site		D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	0	
	20 01 99	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Dry Recyclables	2230	2173		Slight increase does vary from year to year	33% packaging & 67% non-packaging	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0	
	20 01 10	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Clothes	0.34	0.56				R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	0	
	20 01 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Paper	0	3		Paper is being recycled in MDR bin		R3-Recycling/reclamation or organic substances which are not used as solvents(including composting another biological transformation processes)which includes gasification and pyrolysis	0	
	20 01 36	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Discarded Electrical & Electronic Equipment	12	8		Slight increase does vary from year to year		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	2	
	20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Metal	4	19		More Metal being put in skips		R4- Recycling/reclamation of metals and metal compounds	9	

WASTE SUMMARY		Lic No:		W0216-01		Year		2013		
	20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky waste from commercial & domestic skips	1643	1712	Slight decrease varies from year to year		R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	0%	0
	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Cardboard	527	575	Slight decrease varies from year to year		R3-Recycling/reclamation or organic substances which are not used as solvents(including composting another biological transformation processes)which includes gasification and pyrolysis	100%	11
	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic	22	7	Slight increase does vary from year to year	52% packaging & 48% non-packaging	R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials		8
	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Glass packaging	251	210	Slight increase does vary from year to year		R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	100%	42
	16 01 03	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	End-of-life Tyres	0	2	Tyres are being put into skips		R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	0%	0
	17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Wood	41	37	Slight increase does vary from year to year		R3-Recycling/reclamation or organic substances which are not used as solvents(including composting another biological transformation processes)which includes gasification and pyrolysis	52%	0
	17 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil & Stone	295	242	Slight increase does vary from year to year		R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	0%	0
	17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Rubble	356	0	Not recorded separately in 2012		R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials	0%	0

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

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

Yes	
-----	--

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

Yes	
-----	--

6 Does your facility have relevant nuisance controls in place?

Yes	
-----	--

7 Do you have an odour management system in place for your facility? If no why?

Yes	
-----	--

8 Do you maintain a sludge register on site?

N/A	
-----	--

WASTE SUMMARY

Lic No:

W0216-01

Year

2013

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

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

Table 5 Capping-Landfill only

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

*please note this includes daily cover area

Table 6 Leachate-Landfill only

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

SELECT

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

SELECT

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

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

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	



#VALUE!

16/04/2014 15:33

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2013
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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	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	23
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

#VALUE!

16/04/2014 15:34

Please enter all quantities on this sheet in Tonnes

28

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	Haz Waste : Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility	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)
						Non	Non		Non	Non	Non	Non		
Within the Country	15 01 01	No	569.0	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Barna Waste,Licence No. W0106-02		Carrowbrown Headford Road Co. Galway,.....,Ireland			
Within the Country	15 01 02	No	6.0	plastic packaging	R3	M	Weighed	Offsite in Ireland	Barna Waste,Licence No. W0106-02		Carrowbrown Headford Road Co. Galway,.....,Ireland			
Within the Country	15 01 07	No	236.0	glass packaging	R5	M	Weighed	Offsite in Ireland	Rehad Glassco Ltd.,WFP-KE-08-0357-01		Carragh,.,Co. Kildare,N/A,Ireland			
Within the Country	17 02 01	No	41.0	wood	R3	M	Weighed	Offsite in Ireland	Barna Waste,Licence No. W0106-02		Carrowbrown Headford Road Co. Galway,.....,Ireland			
Within the Country	16 01 03	No	0.0	end-of-life tyres	R5	M	Weighed	Offsite in Ireland	Duffy Tyre Recycling,ROC 3758 WFP-DC-010-0118-01		Tonyhabboc,Newtowncunnin gham,Co. Donegal,N/A,Ireland			
Within the Country	17 02 01	No	121.0	wood	R3	M	Weighed	Offsite in Ireland	Arigna Fuels Ltd.,Permit No. WRP-RN-09-0003-01		Derreenavoggy Td. Arigna Co. Roscommon,.....,Ireland			
Within the Country	17 02 01	No	66.0	wood	R3	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd.,Permit No. WP 06/30		Kiffa Crosserlough Co. Cavan,.....,Ireland			
Within the Country	17 05 04	No	160.0	soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	Patrick Gaynor,Permit No. COR-RN-09-0013-01		Castlere Co. Roscommon,.....,Ireland			
Within the Country	17 05 04	No	135.0	soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	J.P.Bell,COR-MO-12-0018-01		Cloonlerin,Kilmovee,Co. Mayo,.,Ireland			
Within the Country	20 01 08	No	704.0	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Envirogrind,Permit No. ENV/143/WP04.08		Pettigo Co. Donegal,.....,Ireland			
Within the Country	20 01 10	No	0.34	clothes	R5	M	Weighed	Offsite in Ireland	Textile Recycling Ltd.,Permit No. WPRO14/2		Tallaght Dublin 24,.....,Ireland			
Within the Country	20 01 36	No	0.0	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R13	M	Weighed	Offsite in Ireland	RILTA Enviromental Ltd.,W0192-03		Grants Drive,402 Greenogue Business Park,Co. Dublin,N/A,Ireland			
Within the Country	17 01 07	No	357.0	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	R5	M	Weighed	Offsite in Ireland	J.P.Bell,COR-MO-12-0018-01		Cloonlerin,Kilmovee,Co. Mayo,.,Ireland			
Within the Country	20 01 36	No	12.0	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R3	M	Weighed	Offsite in Ireland	Electrical Waste Management Ltd.,WFP-DS-09-0012-01		Jordanstown Drive,Rathcoole,Co. Dublin,.,Ireland			
To Other Countries	20 01 39	No	12.0	plastics	R3	M	Weighed	Abroad	Envirolink Recycling,IRE/AG134/12		30 Lynton Gardens,Darlington,Co. Durham,DL1 4PB,United Kingdom			
Within the Country	20 01 40	No	89.0	metals	R4	M	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	1385.0	other fractions not otherwise specified	R13	M	Weighed	Offsite in Ireland	Barna Waste,Licence No. W0106-02		Carrowbrown Headford Road Co. Galway,.....,Ireland			
Within the Country	20 01 99	No	722.0	other fractions not otherwise specified	R13	M	Weighed	Offsite in Ireland	Mulleady's Ltd.,W0169-01		Cloonagh,Drumlish,Co. Longford,N/A,Ireland			
To Other Countries	19 12 04	No	27.0	plastic and rubber	R13	M	Weighed	Abroad	WRC Recycling,IRE/AG121/12		Johnstone,Renfrewshire,Scotland,PA6 7EE,United Kingdom			
Within the Country	20 03 01	No	9053.0	mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Drehid Landfill,Licence No. W0201-03		Killinagh Upper Carbury Co. Kildare,.....,Ireland			
Within the Country	20 03 01	No	1471.0	mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Greenstar Knockharley Landfill,W0146-02		Kentstown,.,Co. Meath,.,Ireland			
Within the Country	20 03 01	No	49.0	mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Greenstar Ballynagran Landfill,W0165-02		Kilcandra,.,Co. Wicklow,.,Ireland			
Within the Country	20 03 01	No	695.0	mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Indaver Incinerator,W0167-02		Carranstown,Duleek,Co. Meath,.,Ireland			
Within the Country	20 03 01	No	498.0	mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Rathroeen Landfill,W0067-02		Ballina,.,Co. Mayo,N/A,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	Haz Waste : Address 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		Non	Non Haz Waste: Address of Recover/Disposer		
Within the Country	20 03 01	No	0.0	mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Ballynacarrick Landfill,W0024-04	Ballintra,,Co. Donegal,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](#)