

Facility Information Summary

AER Reporting Year
 Licence Register Number
 Name of site
 Site Location
 NACE Code
 Class/Classes of Activity
 National Grid Reference (6E, 6 N)


2012
W0010-02
Basketstown
Summerhill Co Meath
3821
Class 1, 4, 13 - Thrid Schedule Class 9, 10, 13 Fourth Schedule
285080E 251520N

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.

Closed and decommissioned capped waste facility containing non-hazardous waste. Landfill produces methane gas which is being extracted and burned off with a enclosed high temperature flare, Flare prone to failure due to reduction of gas volume and gas quality which will be rectified by purchase of smaller capacity flare in 2013. Minor carbon dioxide exceedances found in some of the perimeter monitoring points. No impact to local surface water monitoring points were recorded in 2012.

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.

	Paul Luke	<u>28/3/2013</u>
Signature	Group/Facility manager	Date
(or nominated, suitably qualified and experienced deputy)		
Declan Grimes	Declan Grimes	28/03/2013

Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If **you do not have** licensed emissions you only need to complete table W1 and or W2 for surface water analysis and visual inspections

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.

No	
Yes	

Table W1 Surface water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	EIV or trigger level in licence or any revision thereof*	Licensee Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
S2	upstream		Ammonia (as N)	13/06/2012		All values < EIV	< 0.2	mg/L	Yes	
S2	upstream		BOD	13/06/2012		All values < EIV	2.13	mg/L	Yes	
S2	upstream		Dissolved Oxygen	13/06/2012		All values < EIV	7.3	mg/L	Yes	
S4	downstream		Ammonia (as N)	13/06/2012		All values < EIV	<0.2	mg/L	Yes	
S4	downstream		BOD	13/06/2012		All values < EIV	<2	mg/L	Yes	
S4	downstream		Dissolved Oxygen	13/06/2012		All values < EIV	7.02	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
S2	11/06/2012		SELECT	N/A	
S4	11/06/2012		SELECT	N/A	

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

Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below	N/A	Additional information	N/A
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Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box

External/Internal Lab Quality Assessment of results checklist

N/A

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

Emission reference no:	Emission released to	Parameter/Substance/No 1	Type of sample	Frequency of monitoring	Averaging period	EIV or trigger values in licence or any revision thereof*	Licensee Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments

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 ELG for surface water or relevant receptor quality standards.

Continuous monitoring

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

N/A

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

N/A

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

N/A

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

N/A

Table W4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission related to	Parameter/Substance	ELV or trigger value in licence or any revision thereof	Average 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	SELECT	SELECT
SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT

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

Table W5: Abatement system bypass reporting table

Date	Duration (hours)	Location	Resilient emissions	Reason for bypass	Corrective action	Was a report submitted to the EPA?	When was this report submitted?
						SELECT	
						SELECT	
						SELECT	

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template

LIC No:

W0010-02

Year

2012

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 provide integrity testing frequency period
- Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), tanks, sumps and containers? (containers refers to 'Chemstore' type units and mobile bunds)
- How many bunds are on site?
- How many of these bunds have been tested with the required test schedule?
- How many of these bunds are on site?
- How many of these mobile bunds have been tested with the required test schedule?
- How many of these mobile bunds have been tested with the required test schedule?
- How many of these mobile bunds have been tested with the required test schedule?
- How many of these sumps are integrity tested within the test schedule?
- How many of these sumps are integrity tested within the test schedule?
- Please list any sump integrity failures in table B3
- Do all sumps and chambers have high level liquid alarms?
- If yes to Q11 are these fail-safe systems included in a maintenance and testing programme?

Additional information	
No	
SELECT	
No	
SELECT	
No	
SELECT	
No	
SELECT	
N/A	
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 (in current reporting year)
SELECT	SELECT					SELECT		SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT
<p>*Capacity required: Bunds with a 11% requirement are required to have 10% capacity</p> <p>Has integrity testing been carried out in accordance with licensor requirements and are all structures tested in line with BS6007/2/PA guidance?</p> <p>14 Are channel/transfer systems to remove containment systems tested?</p> <p>15 Are channel/transfer systems compliant in both integrity and available volume?</p>														

Pipeline/underground structure testing

- Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc? If yes please fill out table 2 below listing all underground structures and pipelines on site which failed the integrity test
- Please provide integrity testing frequency period

SELECT	
SELECT	

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

Structure ID	Type system	Material of construction	Does this structure have secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest (in current reporting year)
SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT

Please use commentary for additional details not answered by tabled questions above

	Comments
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	Yes
2 Are you required to carry out soil monitoring as part of your licence requirements?	no
3 Do you extract groundwater for use on site? If yes please specify use in comment section	no
4 Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	Yes
5 Is the contamination related to operations at the facility (either current and/or historic)	Yes
6	Consultant appointed to carry out hydrogeological assessment on contaminated ground. Correspondance is being sent th the EPA
7	Awaiting Consultant report and recommendations
8	Yes
9	Yes
10	Yes
11	Yes
12	Yes

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration ⁺⁺	Average Concentration ⁺	unit	GTV's [*]	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
12/6/12-18/10/12	BH11-BH13-BH16	Ammonical Nitrogen	Kone Analyser	Quarterly	0.32	0.251	mg/l			SELECT
12/6/12-18/10/12	BH11-BH13-BH16	Electrical Conductivity	Kone Analyser	Quarterly	0.953	0.697	ms/cm			SELECT
12/6/12-18/10/12	BH11-BH13-BH16	TOC	AWWA/APHA 20th Edition	Quarterly	8.84	4.98	mg/l			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

Groundwater/Soil monitoring template Lic No: W0010-02 Year 2012

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
12/6/12-18/10/12	BH5-BH7- BH13-BH9- BH14-BH15- BH18	Ammonical Nitrogen	Kone Analyser	Quarterly	96.3	11.84	mg/l			
12/6/12-18/10/12	BH5-BH7- BH13-BH9- BH14-BH15- BH18	ElectricalCon ductivity	Conductivity Meter	Quarterly	2.65	1.06	mS/cm			SELECT
12/6/12-18/10/12	BH5-BH7- BH13-BH9- BH14-BH15- BH18	TOC	5310 AWWA/APHA 20th Edition	Quarterly	34.8	20.71	mg/l			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 Receiver 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 \(private supply\)](#)
 [Drinking water 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 Liabilities template		Lic No:	W0010-02
	Click here to access EPA guidance on Environmental Liabilities and Financial Provision	YEAR 2012	Commentary
1	ELRA initial agreement status	Required but not submitted	
2	ELRA review status	Review required and not completed;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Unknown	
4	Financial Provision for ELRA status	Required but not submitted	
5	Financial Provision for ELRA - amount of cover	Unknown	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	SELECT	N/A Landfill Closed
9	Closure plan review status	SELECT	N/A Landfill Closed
10	Financial Provision for Closure status	SELECT	N/A Landfill Closed
11	Financial Provision for Closure - amount of cover	Specify	N/A Landfill Closed
12	Financial Provision for Closure - type	SELECT	N/A Landfill Closed
13	Financial provision for Closure expiry date	Enter expiry date	N/A Landfill Closed

Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0010-02 Year 2012

Highlighted cells contain dropdown menu click to view

Additional Information

1	Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	No	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	No	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	No	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	No	

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air					
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT

Noise monitoring summary report

Lic No:

W0010-02

Year

2012

- 1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below
- 2 Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? Noise
Guidance
note NG4
- 3 Does your site have a noise reduction plan?
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

No	
No	n/a
No	n/a
No	n/a

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)?
								SELECT	SELECT		SELECT

*Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options?

SELECT

** please explain the reason for not taking action/resolution of noise issues?
Any additional comments? (less than 200 words)

Additional information

1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	May-12	
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		n/a

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWhrs)		7234		
Total Energy Generated (MWhrs)		0		
Total Renewable Energy Generated (MWhrs)		0		
Electricity Consumption (MWhrs)		7324		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)		0		
Light Fuel Oil (m3)		0		
Natural gas (CMN)		0		
Coal/Solid fuel (metric tonnes)		0		
Peat (metric tonnes)		0		
Renewable Biomass		0		
Renewable energy generated on site		0		

* 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

	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):	Water Consumption Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Water use							
Groundwater	0	0			0	0	
Surface water	0	0			0	0	
Public supply	0	0			0	0	
Recycled water	0	0			0	0	
Total	0	0			0	0	

* 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

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

N/A

Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	Description of Measures proposed	Origin of measures (please specify)	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
May-12	Reduction in size of LFG Flare with reduced energy demand of fan, blower, and electrical equipment	Proposed reduction of LFG flare from 2000m ³ /hr to 300m ³ /hr	other initiative (please specify)	50%	Jul-13	Meath County Council	Aug-13	
			SELECT					
			SELECT					

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

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

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

Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility? **waste generated within your boundaries is to be captured through PRTR reporting**
 If yes please enter details in table 1 below

2. Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information

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

Licensed annual tonnage limit for your site (total tonnes/annum)	EMC code	Source of waste accepted	Description of waste accepted. Please enter an accurate and detailed description which applies to relevant European Waste Catalogue EMC 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 apply 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-

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?

N/A	Closed landfill
N/A	Closed landfill
N/A	Closed landfill
N/A	Closed landfill

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Waste types permitted for disposal	Authorised/licensed annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (tpa)	Comments

Table 2 Waste type and tonnage-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	License permits abstraction	Is there a separate cell for abstraction?	Accepted abstraction in reporting year	Total disposal area occupied by waste	Land disposal area occupied by waste	Unland area	Comments on liner type	
W0010-02	1984	Dec-01	No	Public	Non Hazardous	N/A	No	No	No	11.5ha	SELECT UNIT	SELECT UNIT	SELECT UNIT	N/A

Table 3 General information-Landfill only

Table 4 Environmental monitoring-landfill on 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 SVV monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELV)	Was topography of the site surveyed in reporting year	Has the statement under SS(OA)(5) of WSA been submitted in reporting year	Comments
Yes	Yes	Yes	Yes	No	Yes	No		

Table 5 Capping-Landfill only

Area uncapped	Area with temporary cap	Area with final cap to LD Standard m ² 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					

Table 6 Leachate-Landfill only

Volume of leachate in reporting year(t)	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
12,723	25.4	725.2	209.38	unknown	N/A	N/A	

Table 7 Landfill Gas-Landfill only

Gas Capture/Trapped by LEFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
Endorsed JCF Rate	N/A	N/A	Yes	

* please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards
 9) Is leachate from your site treated in a Waste Water Treatment Plant?
 10) Is leachate released to surface water? If yes please complete leachate mass load information below

Yes
No

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