

Facility Information Summary

Licence Register Number	W0028-03
Name of site	Ballydonagh Landfill
Site Location	Ballydonagh, Dublin Rd, Athlone, Co Westmeath.
NACE Code	3821
Class of Activity	This landfill closed in July 2010 and since then a civic waste facility is operated by Oxygen Environmental for household waste. This waste is transferred off site to licensed facilities.
RBME risk category	A1 (2010)
National Grid Reference (6E, 6 N)	(-)-6.22878 53.3496

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;

This landfill closed in July 2010 and since then a civic waste facility is operated by Oxygen Environmental for household waste. This waste is transferred off site to licensed facilities. The amount of waste taken in 2011 was 2614 tonnes. This compares to the figure of 1184 tonnes for 5 months in 2010. There were no engineering works carried out at the landfill in 2011. In 2010 75% of the landfill was fully capped and the remainder was temporarily capped. The temporary capped section will be fully capped in 2012. There was a major reduction in incidents in 2011 over 2010. This was due to the fact that the landfill was closed and there were no activities on site, other than at the civic amenity part, in 2011.

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>David Shanley</i>	<i>17/04/12</i>
Signature	Date
Group/Facility manager (or nominated, suitably qualified and experienced deputy)	

AER summary template-AIR emissions

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 only need to complete table 1 fugitive emissions on site below

Additional information	
Yes	Licence requires monitoring for Nox, SO2 and TOC. This was not carried out in 2011. It will be done in early 2012.

Table 1 Fugitive emissions

Parameter /Substance	Annual fugitive emission (kg/annum)	Quantificaton method M/C/E
Methane (CH4)	9,000	M
Carbon dioxide (CO2)	108,000	M

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 Table 2 below

SELECT	
SELECT	

3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? [Basic air monitoring checklist](#) [AGN2](#)

Table 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
	SELECT			SELECT		SELECT	SELECT	SELECT			
	SELECT			SELECT		SELECT	SELECT	SELECT			

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)

No	
----	--

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

SELECT	
--------	--

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

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)

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 only need to complete table 1 and /table 2 below for ambient monitoring and visual inspections

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 only any evidence of contamination noted during visual inspections

Additional information

No	There are 3 surface water monitoring points - SW1 is US of the site. SW2 - is DS of the site and SW3 is on a small drain (dry in fine weather) that comes from beside the landfill.
Yes	No evidence of contamination

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
SW1	upstream	SELECT	Ammonia (as N)	Quarterly		SELECT	<0.04 - 0.06	mg/L	SELECT	Complies with A1 values as set out in the EC (Quality of Surface Water Intended for the Abstraction of Drinking Water) Regulations, 1988[S.I. No. 294 of 1989].
SW1	upstream		Chloride	Quarterly			19.2 - 40.5	mg/L		As above
SW1	upstream		BOD	Quarterly			<1 - 1	mg/L		as above
SW2	downstream		Ammonia (as N)	Quarterly			<0.04 - 0.07	mg/L		as above
SW2	downstream		Chloride	Quarterly			21.2 - 40.1	mg/L		as above
SW2	downstream		BOD	Quarterly			<1	mg/L		as above
SW3	downstream		Suspended Solids	Quarterly	35	All values < ELV	Range of 4 to 9	mg/L	Yes	as above

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

Table 2 Visual inspections-Please only enter details where contamination was observed.

Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
			SELECT		
			SELECT		

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

3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table 3 below

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

SELECT	Additional information
SELECT	

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

Emission reference no:	Emission released to	Parameter/ Substance ^{Note 1}	Type of sample	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
	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	SELECT
------------------------	--------

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

Groundwater /Contaminated land summary report

	Comments
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	yes 7 No. boreholes on site.
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	yes For site huts and outside taps.
4 Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	Possible Some groundwater wells have elevated levels of Ammonia and presence of E. Coli and Total Coliforms.
5 Is the contamination related to operations at the facility (either current and/or historic)	Possible
6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	yes Full permanent capping of landfill and leachate removal as required.
7 Please specify the proposed time frame for the remediation strategy	SELECT November 2012 for completion of capping.
8 Is there a licence condition to carry out/update ELRA for the site?	yes
9 Has any type of risk assesment been carried out for the site?	yes
10 Has a Conceptual Site Model been developed for the site?	no
11 Have potential receptors been identified on and off site?	yes
12 Is there evidence that contamination is migrating offsite?	no

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	IGV	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
Monthly	BH7	Ammonia (N)		Monthly	<.04	<.04	mg/l		complies	0	no
Monthly	BH7	TOC		Monthly	<0.7	<0.7	mg/l		complies	0	no
Monthly	BH7	Conductivity		Monthly	568	530	us/cm		complies	0	no
Monthly	BH7	E Coli		Monthly	11	<1	No/100mls		exceeds	0	no
Monthly	BH9	Ammonia (N)		Monthly	<.04	<.04	mg/l		complies	0	no
Monthly	BH9	TOC		Monthly	1.69	1.1	mg/l		complies	120	no
Monthly	BH9	Conductivity		Monthly	1080	940	mg/l		exceeds	-18	yes
Monthly	BH9	E Coli		Monthly	0	0	No/100mls		complies	0	no

.+ 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*	IGV	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
Monthly	BH5	Ammonia (N)		Monthly	3.07	2.33	mg/l		exceeds	21	no

Monthly	BH5	TOC		Monthly	2.09	1.6	mg/l		complies	38	no
Monthly	BH5	Conductivity		Monthly	850	778	us/cm		complies	0	no
Monthly	BH5	E Coli		Monthly	2	<1	No/100mls		exceeds	-50	no
Monthly	BH8	Ammonia (N)		Monthly	0.31	0.25	mg/l		exceeds	4	no
Monthly	BH8	TOC		Monthly	<0.7	<0.7	mg/l		complies	53	no
Monthly	BH8	Conductivity		Monthly	593	522	us/cm		complies	-17	yes
Monthly	BH8	E Coli		Monthly	2	<1	No/100mls		exceeds	0	no

* 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](#)
[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 Management Programme (EMP)/Continuous Improvement Programme

Highlighted cells contain dropdown menu click to view

Additional Information

1	Do you maintain an Environmental Mangement System for the site. If yes, please detail in additional information	Yes	The purpose of the EMS is to ensure the operation of the site is in accordance with regulatory requirements and best landfill practice and to implement a schedule of objectives and targets.
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	Since the landfill is closed the emphasis is on the management of the gas collection system, the operation of the flare, the collection of leachate and the proper operation of the civic amenity site.
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	The main objectives for 2012 are : 1) To complete the permanent capping and restoration of the landfill. 2) Install more gas extraction wells in landfill. 3) Reduce leachate generation. 4) Extract and flare maximum amount of gas from landfill.
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	Local residents have their well water monitored by the Council and they receive a report on the quality of the water every quarter.

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air	Advance the design for the permanent capping of the uncapped (25%) area of the landfill	70	Engage consultant Fehilly Timoney Company to specify and design works required to meet objective and comply with licence requirements.	Section Head	No change untill work is carried out in 2012
Energy Efficiency/Utility conservation	Examine the utilisation of landfill gas as a source of energy	50	Offaly Co. Council who are overseeing the project engaged Tobin Consulting Engineers to carry out a feasibility study. The report would include the use of the Gas Sim model to predict the gas volumes that the landfill would generate.	Section Head	No change
				SELECT	SELECT

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
- 2 Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? [Draft Noise Guidance](#)
- 3 Does your site have a noise reduction plan?
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

Table 1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
01/12/2011		4 at boundary and 6 at nearby residential properties						SELECT	SELECT	No site activities were audible from the the site boundary or at the residential properties.	Yes

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

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

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

Any additional comments? (less than 200 words)

Resource usage/ Energy Efficiency

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- 2 Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information
- 3 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

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

Additional information	
None carried out in recent years	
yes	EnergyMap
SELECT	

Table 1 Energy usage on site				
Energy Use	Previous year kWh	Current year kWh	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total				
Electricity	151463	122550		
Fossil Fuels:				
Heavy Fuel Oil				
Light Fuel Oil				
Natural gas				
Coal/Solid fuel				
Renewable energy generated on site				

* 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	No figures - low	No figures - low		
Surface water	0	0		
Public supply	0	0		
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
			SELECT					
			SELECT					
			SELECT					

SECTION A-PRTR WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

PRTR facility [login](#)

dropdown list click to see options

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

Additional Information

1 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)

No

If yes please enter details in table 1 below

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

No

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)	EWG code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description which applies to 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 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 -
E.g.	07 05 04*	07- WASTES FROM ORGANIC CHEMICAL PROCESSES	other organic solvents, washing liquids and mother liquors	22	12	83%		0%	SELECT		Brought onto site from sister IPPC plant
E.g.	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	biodegradable kitchen and canteen waste	10	20	-50%		0%	SELECT		
		SELECT					#DIV/0!		SELECT		
		SELECT					#DIV/0!		SELECT		

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
SELECT

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?

Yes

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
e.g. Household (residual)	30,000	22,000		
e.g. Industrial non hazardous solids	500	60	120,000	
None				Landfill closed

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	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Whole Landfill	1991	2010	No	Public	Non Hazardous		No	No	No	5.9 hectares	5.9 hectares		Engineered landfill

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 S53(A)(5) of WMA been submitted in reporting year	Comments
Yes	Yes	Yes	Yes	Yes	Yes	No		Monitoring is carried for all parameters as per the licence

+ 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					
0	1.3 ha	4.6 ha	0	0	An impermeable geocomposite layer, 800mm subsoil and 200mm top soil.	Permanent capping works to commence in June 2012 for temporary capped area.

*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?

Yes

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

No

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
2,229,000			No	Gas flared off using 1000 m3/hr flare



[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.13

REFERENCE YEAR	2011
-----------------------	------

1. FACILITY IDENTIFICATION

Parent Company Name	Westmeath County Council
Facility Name	Ballydonagh Landfill
PRTR Identification Number	W0028
Licence Number	W0028-03

Waste or IPPC Classes of Activity

No.	class_name
3.5	Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.
3.1	Deposit on, in or under land (including landfill).
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.
3.4	Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.
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	Ballydonagh
Address 2	Dublin Road
Address 3	Athlone
Address 4	Co. Westmeath
Country	Ireland
Coordinates of Location	-6.22878 53.3496
River Basin District	IEGBNISH
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	John Waldron
AER Returns Contact Email Address	jwaldron@westmeathcoco.ie
AER Returns Contact Position	Senior Executive Technician
AER Returns Contact Telephone Number	044 9332157
AER Returns Contact Mobile Phone Number	087 7853567
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(d)	Landfills
5(c)	Installations for the disposal of non-hazardous waste
5(d)	Landfills
50.1	General

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	No
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?	

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR# : W0028 | Facility Name : Ballydonagh Landfill | Filename : W0028_2011(1).xls | Return Year : 2011 |

17/04/2012 11:50

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
01	Methane (CH4)	C	PER	Calculated using Gas sim	0.0	8768.0	0.0	8768.0
03	Carbon dioxide (CO2)	C	PER	Calculated using Gas sim	0.0	108499.0	0.0	108499.0

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: Ballydonagh Landfill

Please enter summary data on the quantities of methane flared and / or utilised

T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity m3 per hour	
		Method Code	Designation or Description		
Total estimated methane generation (as per site model)	1490000.0	C	PER	Calculated using Gas sim	N/A
Methane flared	1481232.0	C	PER	Calculated using average flow	1000.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	8768.0	C	PER	Methane generated minus m	N/A

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0028 | Facility Name : Ballydonagh Landfill | Filename : W0028_2011(1).xls | Return Year : 2011 |

17/04/2012 11:50

Please enter all quantities on this sheet in Tonnes

3

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: 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		Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer			
Within the Country	19 07 03	No	10242.0	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighed	Offsite in Ireland	Athlone Waste Water Treatment Plant,D0007-01		Golden Island ,Athlone ,Westmeath,Co		
Within the Country	20 03 01	No	1951.0	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Derryclure Landfill,W0029-02		Derryclure,Tullamore,Offaly, Co Offaly,Ireland		
Within the Country	20 03 01	No	610.0	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Oxigen Environmental Ltd,W0152 03		,Clondalkin,Dublin,Co Dublin,Ireland		
Within the Country	20 02 01	No	5.0	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Guesford Ltd,OY-10-0183-02		Daingean,Offaly,Co Offaly,Ireland,Ireland		
Within the Country	20 01 02	No	5.0	glass	R5	M	Weighed	Offsite in Ireland	Glassco,WP247/2006		Kildare,Ireland		
Within the Country	20 01 40	No	19.0	metals	R4	M	Weighed	Offsite in Ireland	Guesford Ltd,OY-10-0183-02		Daingean,Offaly,Co Offaly,Ireland,Ireland		
Within the Country	20 01 10	No	1.0	clothes	R3	M	Weighed	Offsite in Ireland	Textile Recycling Ltd,WCP-DC 01		Park,Greenogue,Dublin 24,Ireland		
Within the Country	17 02 01	No	43.0	wood	R3	M	Weighed	Offsite in Ireland	Guesford Ltd,OY-10-0183-02		Daingean,Offaly,Co Offaly,Ireland,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](#)

