

Facility Information Summary

Licence Register Number
 Name of site
 Site Location
 NACE Code
 Class of Activity
 RBME risk category
 National Grid Reference (6E, 6 N)

W0059-03
Ballaghaderreen Landfill
Aghalustia Townland, Ballaghaderreen, County Roscommon
3821
Treatment and disposal of non-hazardous waste
A1
163350 292800

The landfill site stopped accepting waste for disposal to landfill in July 2010. The only waste accepted at the landfill in 2011 was inert waste, EWC Code 170504 (Soil and stones other than that mentioned in 170503). Developments at the site in 2011 included:

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;

1. Placing of 0.8m restoration soils on Cell 8
2. Landfill Gas Ring mains provided on Cells 6,7 & 8
3. Main gas collector pipe upgraded to 180mm
4. Open flare decommissioned in July
5. Surface water perimeter drain provided around Cell 8 and connected to the surface water network
6. Surface water draining stone replaced around N & W side of Cell 7

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.

JOHN MOCKLER	28-Mar-12
Signature	Date
Group/Facility manager <small>(or nominated, suitably qualified and experienced deputy)</small>	

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	For the landfill gas flare and perimeter monitoring boreholes as per Condition 6 of the Licence

Table 1 Fugitive emissions

Parameter /Substance	Annual fugitive emission (kg/annum)	Quantificaton method M/C/E
SELECT	See PRTR	SELECT

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

Yes	Carbon dioxide in perimter boreholes
Yes	Flare monitoring not carried out in 2011.

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
Perimeter monitoring boreholes GM201-GM208	Methane (CH4)	Monthly	1.0% v/v	100 % of values < ELV	Max 0.0% v/v	SELECT	yes	SELECT	0	0	Method of analysis for methane and carbon dioxide in perimeter monitoring boreholes is in accordance with Site Operating Procedure SOP17
Perimeter monitoring boreholes GM201-GM208	Carbon dioxide (CO2)	Monthly	1.5% v/v	100 % of values < ELV	Max 8.3% v/v (GM204, July 2011)	SELECT	no (if no please enter details in comments box)	SELECT	Cannot be calculated as flow rates are not recorded	N/A	Given that there are no corresponding elevated methane levels within the boreholes then landfill gas is unlikely to be the source of the carbon dioxide. Elevated carbon dioxide concentrations could occur as a result of decomposition processes within the peat into which the monitoring boreholes are installed. It is recommended that the Environmental Protection Agency (EPA) should be consulted on increasing the carbon dioxide trigger levels to 1.5% v/v above the 95% ile carbon dioxide level for each borehole.

Flare Outlet	volumetric flow	Annually	-		See comments	SELECT	SELECT	SELECT	N/A - see comments	N/A - see comments	Flow monitoring completed on monthly basis only, average monthly flow rate is 540 m ³ /hr
Flare Outlet	Nitrogen oxides (NOx/NO2)	Annually	<150 mg/Nm ³	100 % of values < ELV	N/A - see comments	SELECT	SELECT	SELECT	N/A - see comments	N/A - see comments	Flare monitoring not completed in 2011 - to be completed in 2012
Flare Outlet	Total Organic Carbon (as C)	Annually	<10 mg/Nm ³	100 % of values < ELV	N/A - see comments	SELECT	SELECT	SELECT	N/A - see comments	N/A - see comments	Flare monitoring not completed in 2011 - to be completed in 2012
Flare Outlet	Total acids	Annually	Hydrochloric acid - <50 mg/Nm ³ >0.3 kg/hr	100 % of values < ELV	N/A - see comments	SELECT	SELECT	SELECT	N/A - see comments	N/A - see comments	Flare monitoring not completed in 2011 - to be completed in 2012
Flare Outlet	Total acids	Annually	Hydrogen fluoride - <5 mg/Nm ³ >0.05 kg/hr	100 % of values < ELV	N/A - see comments	SELECT	SELECT	SELECT	N/A - see comments	N/A - see comments	Flare monitoring not completed in 2011 - to be completed in 2012

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)

Yes	Continuous carbon monoxide monitoring required from flow outlet in Table D.7 of licence
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5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below

Yes	
-----	--

6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?

Yes	
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7 Did your site experience any abatement system bypasses? If yes please detail them in table 4 below

No	
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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
Flare Outlet	Carbon monoxide (CO)	<50 mg/Nm ³	Daily	Daily average < ELV	SELECT	Flare monitoring not completed in 2011 - to be completed in 2012	Flare monitoring not completed in 2011 - to be completed in 2012	Flare monitoring not completed in 2011 - to be completed in 2012	0	

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)

Additional information

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** licensed 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

Yes	The lagoon provides buffer storage for leachate pumped from the lined cells, before it is pumped to the public sewer to discharge to Ballaghaderreen STW.
Yes	Yes, Table D.5.1 requires weekly visual inspection of surface water

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
N/A	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

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

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

Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
N/A -no contamination observed	Weekly		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

[External /Internal Lab Quality checklist](#) [Assessment of results checklist](#)

No	Additional information
Yes	

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

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Date of Monitoring	Averaging period	ELV or trigger values in licence or any revision thereof ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	% change in mass load from previous year +/-	Comments
LS-1	Wastewater/Se wer	volumetric flow	discrete	Weekly	SELECT	N/A	No flow value shall exceed the specific limit.	Total 23,693 m ³	m3/day	yes	INSTRUMENTAL METHODS	Other (please specify)	Standard Operating Procedure SOP 16	N/A	N/A	
LS-1	Wastewater/Se wer	Volatile organic compounds (as TOC)	discrete	Frequency and method are still to be agreed with EPA		0.14 mg/l		N/A	mg/L				N/A	N/A	N/A	This relates to methane, which could not be selected from drop down box

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

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

Continuous monitoring

Additional Information

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

5

No	Table D.8.1 in Licence requires daily flow monitoring and methane monitoring at a frequency 'to be agreed'. We have assumed that daily flow monitoring is not classified as continuous monitoring.
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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

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 5 below

No	N/A
No	N/A
No	

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

Complaints

Additional information

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

Yes	
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Table 1 Complaints summary							
Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action < 20 words	Resolution status	Resolution date	Further information
07/06/2011	Odour		Landfill Gas Odour at residence	Source of odour investigated	Complete	See written responses submitted to EPA	Complaint 2011-01
08/06/2011	Odour		Landfill Gas Odour at residence	Source of odour investigated	Complete	See written responses submitted to EPA	Complaint 2011-02
30/09/2011	Odour		Landfill Gas Odour at residence	Source of odour investigated	Complete	See written responses submitted to EPA	Complaint 2011-03
	SELECT				SELECT		
	SELECT				SELECT		
Total complaints open at start of reporting year	0						
Total new complaints received during reporting year	3						
Total complaints closed during reporting year	3						
Balance of complaints end of reporting year	0						

Incidents

Additional information

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

No	
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*For information on how to report and what constitutes an incident [What is an incident](#)

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

% reduction/ increase	
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Groundwater /Contaminated land summary report

		Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes See Schedule D of Licence
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 Cells 1 to 5 at the site were designed and operated on the principles of dilute and disperse and are therefore unlined.
5	Is the contamination related to operations at the facility (either current and/or historic)	yes Yes, see above
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	yes Capping and landfill gas/leachate management of Cells 1-5
7	Please specify the proposed time frame for the remediation strategy	yes Ongoing
8	Is there a licence condition to carry out/update ELRA for the site?	yes Condition 12.4.2
9	Has any type of risk assesment been carried out for the site?	yes Waste Licence Review application, Entec reference 00966RR529i2 dated March 2002
10	Has a Conceptual Site Model been developed for the site?	yes Refer to EMS, latest version is 2010 update, Entec (now AMEC) ref: 15951RR689i1 and Waste Licence Review application, Entec reference 00966RR529i2 dated March 2002
11	Have potential receptors been identified on and off site?	yes Refer to EMS, latest version is 2010 update, Entec (now AMEC) ref: 15951RR689i1 and Waste Licence Review application, Entec reference 00966RR529i2 dated March 2002
12	Is there evidence that contamination is migrating offsite?	yes Exceedances of trigger level for ammoniacal nitrogen in downgradient borehole BH102 this year

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/Substance	Methodology	Monitoring frequency	Maximum Concentration ⁺⁺	Average Concentration ⁺	unit	GTV's*	DWS	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
9/3, 11/5, 17/8 and 4/10 2011	BH 04/1	Ammonical Nitrogen	Site Operating Procedure SOP 15	Quarterly	0.103	0.068	mg/l	3	0.3	-34.82%	yes
9/3, 11/5, 17/8 and 4/10 2011	BH 04/1	Chloride	Site Operating Procedure SOP 15	Quarterly	30.67	29.82	mg/l	100	250	-0.45%	yes
9/3, 11/5, 17/8 and 4/10 2011	BH 04/1	TOC	Site Operating Procedure SOP 15	Quarterly	6.6	5.57	mg/l	80	Not available	-12.05%	yes

.+ 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*	DWS	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
9/3, 11/5, 17/8 and 4/10 2011	BH102	Ammonical Nitrogen	Site Operating Procedure SOP 15	Quarterly	6.13	4.09	mg/l	3	0.3	305.29%	yes
9/3, 11/5, 17/8 and 4/10 2011	BH102	Chloride	Site Operating Procedure SOP 15	Quarterly	22.9	17.4	mg/l	100	250	17.30%	yes
9/3, 11/5, 17/8 and 4/10 2011	BH102	TOC	Site Operating Procedure SOP 15	Quarterly	13.1	9.88	mg/l	80	Not available	27.87%	yes
9/3, 11/5, 17/8 and 4/10 2011	BH103	Ammonical Nitrogen	Site Operating Procedure SOP 15	Quarterly	2.3	1.85	mg/l	3	0.3	52.35%	yes
9/3, 11/5, 17/8 and 4/10 2011	BH103	Chloride	Site Operating Procedure SOP 15	Quarterly	21.7	19.4	mg/l	100	250	8.24%	yes
9/3, 11/5, 17/8 and 4/10 2011	BH103	TOC	Site Operating Procedure SOP 15	Quarterly	9.3	7.6	mg/l	80	Not available	18.20%	yes

* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

[Surface water EQS](#) [Groundwater regulations GTV's](#) [Drinking water \(private supply\) standards](#) [Drinking water \(public supply\) standards](#) [Interim Guideline Values \(IGV\)](#)

Table 3: Soil results

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

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

Environmental 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 Latest version is 2010 update, Entec (now AMEC) ref: 15951RR689i1
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes Yes, see above document
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes Yes, see above document
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 The Connacht Waste Annual Report, available on the Roscommon County Council website, includes a section on the operation and condition of the landfills within the county. Environmental information on the site is also available within the Connacht Waste Plan, a copy of which is also on the Council website.

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	Complete landscaping of Cell 8	70	Plant grass and trees.	Section Head	Increased compliance with licence conditions
Additional improvements	No injuries to public or third party property damage.	100	Improved signs, clear access and parking, improved arrangements for tipping of waste from domestic users.	Section Head	Less complaints
Additional improvements	Increased awareness of waste issues for facility users.	100	Open-days, visits and documents for the public.	Section Head	Less complaints

Noise Monitoring Report Summary

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

Yes

2 Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?

[Draft Noise Guidance](#)

No

3 Does your site have a noise reduction plan

No

4 When was the noise reduction plan last updated?

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

Yes

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)?
Not completed (see below)								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?

Noise monitoring is required as per Table D.4.1 of the licence on an annual basis, but was not carried out in 2011 as the landfill site had ceased accepting waste for disposal. Noise monitoring was last carried out on 6 December 2010.

Resource usage/ Energy Efficiency

Additional information

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

Site energy use reviewed as part of AER, no recommendations as landfill site is now closed.	
no	The Council is not part of the LIEN
SELECT	N/A - fuel oil not used in boilers on site.

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

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	517979.2	151021	N/A	N/A
Electricity	164272	151021	N/A	N/A
Fossil Fuels:		0		
Heavy Fuel Oil		0		
Light Fuel Oil	353707.2	0	N/A	N/A
Natural gas		0		
Coal/Solid fuel		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

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				
Surface water				
Public supply	Not known	Not known, but minimal as only the office was used on site in 2011 by one staff member, estimate 12 m ³ /yr	N/A	N/A
Total	Not known	12	N/A	N/A

* 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
None available			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

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

Additional Information	
No	Landfill closed in 2011
N/A	

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	Landfill closed in 2011
N/A	

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

N/A	
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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)	EWIC code	Source of waste accepted	Description of waste accepted <small>Please enter an accurate and detailed description which applies to European Waste Catalogue EWIC codes</small>	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 -
SEE PRTR FOR WASTES ACCEPTED AT RECYCLING CENTRE											
SEE TABLE 2 FOR WASTES ACCEPTED FOR RESTORATION OF CELL B											
						#DIV/0!		0%	SELECT		
						#DIV/0!		0%	SELECT		
						#DIV/0!					
						#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

N/A	No waste processing infrastructure
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	
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6 Does your facility have relevant nuisance controls in place?

Yes	Refer to Site Operating Procedure SOP7
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7 Do you have an odour management system in place for your facility? If no why?

Yes	Odour Management Procedure in place. SOP ref: SOP29
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8 Do you maintain a sludge register on site?

No	
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SECTION D- TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licensed annual intake for disposal (t/a)	Actual intake for disposal in reporting year (t/a)	Remaining licensed capacity at end of reporting year (m3)	Comments
170504	20,000	15,700	0	Approximate figure, based on 0.8m thickness of soil and stones over area of Cell B (15700m ²) multiplied by 1.25 to convert from m ³ to tonnes (as per published WRAP conversion factors)

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	License 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	
Cells 1-8	1980	2010	No	Public	Non Hazardous	Landfilling now complete	Yes	No		5.02ha	2.27ha	2.75ha	0.5 m BES and 2mm HDPE

Table 4 Environmental monitoring-landfill or 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 SSN A15) of WMA been submitted in reporting year	Comments
Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	There will be no statement for 2011 as it is understood that there are no charges to levy on a closed landfill.

+ 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
None	None	5.02 ha	None	None	Regraded waste, regulating layer, geosynthetic gas drainage layer, LLDPE geomembrane and a geosynthetic drainage layer. Restoration soils	

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

Yes
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
23693 m ³	971	7392	24	4228	Dosed with ferric nitrate	Acetogenic	Mass loads based on annual leachate lagoon data multiplied by volume of leachate discharged

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
3679200	0	Flared off	Yes	Estimate of gas captured and treated by LFG system. Surface emissions monitoring completed in July 2011 by Odour Monitoring Ireland