Facility Information Summary	
AER Reporting Year	2012
Licence Register Number	W0015-01
Name of site	Ballyogan Landfill & Recycling Park
Site Location	Ballyogan Road, Carrickmines, Dublin 18
NACE Code	3821
Class/Classes of Activity	Deposit on, in or under land. (closed unlined landfills) Storage prior to submission to any activity referred to in Schedule 4, other than temporary storage, pending collection on the premises where the waste concerned is produced.
National Grid Reference (6E, 6 N)	-6.19293 53.252
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.	Currently the site operates only as a Civic Recycling Facility (CRF) within the Recycling Park. This is operated on a short term contract by Oxigen (Since August 2010) The principal activity at the facility up until March 2005 was 'deposit in, on or under land' within the landfill site. The landfill ceased accepting waste on 29th March 2005 and the principal activity on site then became the baling and transfer of residual waste to Arthurstown Landfill, Kill, Co Kildare. Ballyogan Waste Trasfer Facility ceased operation in May 2009.

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.

Brenda McEvoy RPS on behalf of DLRCC Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	02/05/2013 Date

AIR-summary template

Lic No: W0015-01 Year 2012

Answer all questions and complete all tables where relevant

			Additional information
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	No	

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 monitoring checklist 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 therof	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
D4 $_{PM10}$	PM10	Quarterly	50	97 % of 24-hour average values < ELV	26.67	µg/Nm3	yes	OTH		
BN01	Carbon monoxide (CO)	Bi-Annual	650	100 % of values < ELV	412	mg/Nm3	yes	EN 15058:2004		
	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?	No	
	If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)		
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below	No	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	No	
7	Did your site experience any abatement system bypasses? If yes please detail them in table 4 below	No	

Table A2: Summary of average emissions -continuous monitoring

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

Solvent use and management on site

8	Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5	No	

Table A4: Solvent Management Plan Summary Total VOC Emission limit value

Solvent regulations — Please refer to linked solvent regulations to complete table 5 and 6

Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site	Total VOC emissions as %of solvent	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance
					SELECT
					SELECT

Table A5: Solvent Mass Balance summary

	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
							Total	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0015-01 Year 2012

			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 surface water analysis and visual inspections	Yes	
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	No	

Table W1 Surface water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced 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
Landfill Sewer	SELECT	SELECT	Ammonia (as N)	4.4.2012	300	All values < ELV	183.31	mg/L	yes	upstream/downstream location not available
Landfill Sewer	SELECT	SELECT	Suspended Solids	27.7.2012	2000	All values < ELV	471	mg/L	yes	upstream/downstream location not available
Landfill Sewer										
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

*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)

					Additional information
3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below			SELECT	
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	Yes	

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 therof[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

			Additional Information
5	Does your site carry out continuous emissions to water/sewer monitoring?	Yes	
6	Did continuous monitoring equipment experience downtime? **If yes please record downtime in table W4 below**	No	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	No	
8	Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below**	No	

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/Pipeline testing template

Lic No: W0015-01 Year 2012

Bund testing

dropdown menu click to see options

		Additional information
1	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**	Yes	
2	Please provide integrity testing frequency period	3 years	
3	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)	No	
4	How many bunds are on site?		
5	How many of these bunds have been tested witin the required test schedule?		
6	How many mobile bunds are on site?		
7	Are the mobile bunds included in the bund test schedule?	SELECT	
8	How many of these mobile bunds have been tested witin 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?	SELECT	
12	If yes to Q11 are these failsafe systems included in a maintenance and testing programme?		

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

		Commentary
14	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? bunding and storage guidelines	SELECT	
15	Are channels/transfer systems to remote containment systems tested?	SELECT	
16	Are channels/transfer systems compliant in both integrity and available volume?	SELECT	

Pipeline/underground structure testing

1	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**	No	
2	Please provide integrity testing frequency period	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(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

Groundwater/Soil monitoring template	Lic No:	W0015-01	Year	2012

			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	no	
5	Is the contamination related to operations at the facility (either current and/or historic)	N/A	
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	N/A	
7	Please specify the proposed time frame for the remediation strategy	no	
8	Is there a licence condition to carry out/update ELRA for the site?	no	
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	This was not required as part of the ELRA
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
20/06/2012	MW13S	Sulphate	Colorimetry	Annual	160		mg/l	187.5	200
20/06/2012	MW6S	Chromium	Nitric Digest/ICP	Annual	0.0463		mg/l	0.0375	0.03
20/06/2012	MW6S	Copper	Nitric Digest/ICP	Annual	0.085		mg/l	1.5	0.03
20/06/2012	MW6S	Lead	Nitric Digest/ICP	Annual	0.137		mg/l	0.01875	0.01
20/06/2012	MW6S	Cadmium	Digest/ICP	Annual	**0.0139**		mg/l	0.00375	0.0005
20/06/2012	MW6S	Iron	Nitric Digest/ICP	Annual	47.3		mg/l	–	0.2
20/06/2012	MW6S	Zinc	Nitric Digest/ICP	Annual	0.29		mg/l	–	0.1
20/06/2012	MW6S	Boron	Nitric Digest/ICP	Annual	0.38		mg/l	0.75	1
20/08/2012	GW15S	Ammoniacal Nitrogen	Colorimetry	Monthly	0.1335	0.033375	mg/l	.0065-.175	0.15
20/08/2012	GW1S	Chloride	Colorimetry	Quarterly	93.7	58.925	mg/l	24 — 187.5	30
20/08/2012	GW13S	Potassium	Nitric Digest/ICP	Quarterly	6.84	4.7275	mg/l	–	5
20/08/2012	GW1S	Sodium	Nitric Digest/ICP	Quarterly	36.4	22.225	mg/l	150	150
20/08/2012	GW1D	Conductivity	Electrode	Monthly	1333	823.4166667	**us/cm**	800-1875	1000
20/06/2012	MW13S	Flouride	ISE	Quarterly	0.5		mg/l	–	1
							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**
20/06/2012	MW4S	Sulphate	Colorimetry	Annual	80.1		mg/l	187.5	200
20/06/2012	MW4S	Chromium	Nitric Digest/ICP	Annual	0.003		mg/l	0.0375	0.03
20/06/2012	MW4S	Lead	Nitric Digest/ICP	Annual	0.006		mg/l	0.01875	0.01
20/06/2012	MW4S	Iron	Nitric Digest/ICP	Annual	2.2		mg/l	–	0.2
20/06/2012	MW4S	Zinc	Nitric Digest/ICP	Annual	0.03		mg/l	–	0.1
20/06/2012	MW4S	Boron	Nitric Digest/ICP	Annual	0.28		mg/l	0.75	1
21/11/2012	MW4S	Chloride	Colorimetry	Quarterly	47		mg/l	24 — 187.5	30
21/11/2012	MW4S	Potassium	Nitric Digest/ICP	Quarterly	1.77		mg/l	–	5
20/06/2012	MW4S	Sodium	Nitric Digest/ICP	Quarterly	23	21.15	mg/l	150	150
20/08/2012	MW4S	Conductivity	Electrode	Monthly	1442	846	**us/cm**	800-1875	1000
20/06/2012	MW4S	Flouride	ISE	Quarterly	0.3		mg/l	–	1
							SELECT		
							SELECT		

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

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

Surface water EQS	Groundwater regulations GTV's	Drinking water (private supply) standards	Drinking water (public supply)	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:	W0015-01	Year	2012

Click here to access EPA guidance on Environmental Liabilities and Financial provision

			Commentary
1	ELRA initial agreement status		An ELRA has been completed on request of the insurance company. This has not been submitted to the EPA.
2	ELRA review status		
3	Amount of Financial Provision cover required as determined by the latest ELRA	€	
4	Financial Provision for ELRA status	SELECT	
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	Landfill closed in 2005.
9	Closure plan review status	Review required and completed	N/A
10	Financial Provision for Closure status	SELECT	N/A
11	Financial Provision for Closure - amount of cover	Specify	N/A
12	Financial Provision for Closure - type	SELECT	N/A
13	Financial provision for Closure expiry date	Enter expiry date	N/A

Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0015-01 Year 2012

Highlighted cells contain dropdown menu click to view

			Additional Information
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Materials Handling/Storage/Bunding	Maintain as a minimum level 2011 levels of waste recovery from waste arising at CRF	100	Overall the quantity of waste accepted at the CRF Decresed by 18% in 2012.	Section Head	Improved Environmental Management Practices
Additional improvements	Reduce service level complaints at CRF.	100	1 noise complaint were repor	Section Head	Less complaints
Additional improvements	Maintain reportable accidents to zero.	100	No accidents were reported in	Section Head	Less complaints
Additional improvements	Maintain (and improve if possible) lower levels of incidents recorded	100	incidents are recorded through the Incident Notification form and listed in the incidents register on site. The number of incidents recorded in 2011 decreased by 11% since 2011 No HAS reportable incidents occured 2011	Section Head	Improved Environmental Management Practices
Additional improvements	Maintain baling facility and associated infrastructure on 'stand-by'	100	Balers were removed from baling station in 2012 and infrastructure is maintained on standby.	Section Head	Improved Environmental Management Practices
Additional improvements	Maintain zero odour nuisances during 2012	100	No odour complaints were re	Section Head	Less complaints
Waste reduction/Raw material usage efficiency	Minimise energy and water usage through effective measures across the site.	100	Maintain energy awareness with staff.	Section Head	Improved Environmental Management Practices
Additional improvements	Reduce the number of incidents of landfill gas exceedence at the perimeter of the site and reduce landfill gas emissions to the atmosphere.	100	Environmental monitoring of landfill gas completed on a monthly basis.	Section Head	Increased compliance with licence conditions
Additional improvements	Review monitoring infrastructure present on site, identify wells lost as a result of development works and replace where possible.	100	In 2011 a review of monitoring infrastructure was carried out. Following this an SEW was submitted to the Agency and approval granted. In 2012 replacement monitoring wells were installed.	Individual	Installation of infrastructure
Additional improvements	Public Amenity of Landfill	20	Ongoing discussions with relevant parties	Section Head	Improved Environmental Management Practices
SELECT		SELECT		SELECT	SELECT

Noise monitoring summary report

Lic No: W0015-01 Year 2012

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? (Noise Guidance note NG4)	Yes
3	Does your site have a noise reduction plan	No
4	When was the noise reduction plan last updated?	
5	Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?	No

Table 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)?
05/11/2012	10:04	321129, 224242	NSL1	68	55	72	80	No	No	Mild/Dry/ Winds <5ms - No landfill activity audible, road traffic and LUAS dominant intermittent noise source. No option for measuring potential specific noise levels (ambient exclusive of road traffic).	No
05/11/2012	22:13	321129, 224242	NSL1	63	47	66	82			No landfill activity audible, road traffic and LUAS dominant intermittent noise source. Road traffic noise from M50 audible intermittently.	No
05/11/2012	10:46	320779, 224272	NSL 2	46	43	48	62			- No landfill activity audible, road traffic dominant intermittent noise source. Some construction noise audible from nearby.	Yes
05/11/2012	22:56	320779, 224272	NSL 2	44	40	46	58			No landfill activity audible, road traffic dominant intermittent noise source. Substation is dominant continuous noise source	Yes
05/11/2012	11:06	320802, 224339	NSL 3	60	51	63	75			No landfill activity audible, road traffic dominant intermittent noise source. Tonal noise from ESB substation.	No
05/11/2012	23:15	320802, 224339	NSL 3	55	43	55	76			No landfill activity audible, road traffic dominant intermittent noise source. Tonal noise from ESB substation..	No
05/11/2012	10:22	321227, 224206	NSL4	66	57	70	78			- No landfill activity audible, road traffic dominant intermittent noise source. Rail workers grinding LUAS tracks.	No
05/11/2012	22:32	321227, 224206	NSL4	61	46	66	76			No landfill activity audible, road traffic dominant intermittent noise source. LUAS audible intermittently.	No
05/11/2012	11:37	320940, 224284	NSL5	51	48	53	67			Landfill activity audible at low level (bottles/glass banks, vehicular movement from BRP only), LUAS and road traffic audible in Ballyogan Rd intermittently.	Yes
05/11/2012	23:39	320940, 224284	NSL5	45	42	47	54			No landfill activity audible, road traffic dominant intermittent noise source. Tonal noise from ESB substation. Dominant noise source at this location was the extraction fan from the An Post facility.	Yes
05/11/2012	12:05	320508, 223349	NSL6	44	40	47	57			No landfill activity audible, road traffic dominant intermittent noise source.	Yes
06/11/2012	00:07	320508, 223349	NSL6	37	31	40	49			No landfill activity audible, road traffic dominant intermittent noise source.	Yes
05/11/2012	12:24	320336, 223408	NSL7	58	40	55	90			No landfill activity audible, road traffic dominant intermittent noise source.	No
06/11/2012	00:23	320336, 223408	NSL7	33	27	36	46			No landfill activity audible, road traffic dominant intermittent noise source.	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? nothing**

Noise exceedances at the site is caused by passing traffic from both the luas and the M50. It is not as a result of landfill activities

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No: W0015-01 Year 2012

			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	SEAI - Large Industry Energy Network (LIEN) / no	
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	SELECT	

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 (MWHrs)	197712	254695	-56,983	-28.82%
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)				
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)				
Natural gas (CMN)	23031	105,811		
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site	6,997,000	6,886,000	111,000	1.59%

* 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

					Water Emissions	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^3yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	1942	2492	-550				
Recycled water							
Total	1942	2492					

* 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

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

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
			SELECT					
			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					

Complaints and incidents summary template Lic No: W0015-01 Year 2012

Complaints

Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below		Additional information
	No	

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
12/09/2012	Noise		Complaint about noise levels caused as a result of moving bins around the civic amenity site	Letter issued to all staff at the Civic Amenity	Complete		

Total complaints open at start of reporting year	0
Total new complaints received during reporting year	1
Total complaints closed during reporting year	1
Balance of complaints end of reporting year	0

Incidents

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

*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	Likilihood of reoccurance
24&25/1/2012	Trigger level reached	Other location (please spec	1. Minor	Air	Operational contr	GW5 (2.3), GW8 (1.6), GW19a (3.4), GW20a (3.2), GW24 (4.1), GW48a (8.3), GW58 (1.8), GW59a (6.7), GW77a (1.6), GW79a (2.2), GW80 (1.7), GW82 (2.1)	Normal activities	Local Authorities	Recurring	No mitigation measures taken at the time; minor reoccurring incident. The matter will be kept under review.	Negligible effect on local air quality. It is considered likely that the measured levels of CO2 at these wells represent background levels present prior to commencement of landfilling. The exceedences may also be attributable to sources outside of the site.	Ongoing	N/A	High
8 & 10/2/2012	Trigger level reached	Other location (please spec	1. Minor	Air	Operational contr	GW4 (1.7), GW5 (2.5), GW6 (1.6), GW19a (2.8), GW20a (2.5), GW24 (4.5), GW48a (5.0), GW59a (4.9), GW77a (1.8), GW79a (2.3), GW80 (1.9), GW81 (2.2) GW82 (2.1)	Normal activities	Local Authorities	Recurring	No mitigation measures taken at the time; minor reoccurring incident. The matter will be kept under review.	Negligible effect on local air quality. It is considered likely that the measured levels of CO2 at these wells represent background levels present prior to commencement of landfilling. The exceedences may also be attributable to sources outside of the site.	Ongoing	N/A	High
23-27.03.12	Trigger level reached	Other location (please spec	1. Minor	Air	Operational contr	Carbon Dioxide exceedences: GW4 (1.9), GW5 (2.3), GW6 (1.9), GW19a (3.7), GW20a (3.5), GW47a (1.7), GW48a (5.7), GW49a (1.6), GW59a (4.9), GW77a (2.1), GW79a (2.5), GW81 (2.3) GW82 (2.3)	Normal activities	Local Authorities	Recurring	No mitigation measures taken at the time; minor reoccurring incident. The matter will be kept under review.	Negligible effect on local air quality. It is considered likely that the measured levels of CO2 at these wells represent background levels present prior to commencement of landfilling. The exceedences may also be attributable to sources outside of the site.	Ongoing	N/A	High
05/04/2012	Trigger level reached	Other location (please spec	1. Minor	Air	Operational contr	GW5 (2.0), GW9a (1.7), GW16 (1.9), GW17 (2.4), GW18 (1.6), GW19a (3.6), GW20a (3.4), GW24 (4.4), GW47a (1.5), GW48a (11), GW49a (2.8), GW57a (2.6), GW58 (1.5), GW59a (7.3), GW77a (1.6), GW79a (2.9), GW80 (2.3) GW81 (2.4), GW82 (2.6), GW83 (1.6), GW84 (1.8)	Normal activities	Local Authorities	Recurring	No mitigation measures taken at the time; minor reoccurring incident. The matter will be kept under review.	Negligible effect on local air quality. It is considered likely that the measured levels of CO2 at these wells represent background levels present prior to commencement of landfilling. The exceedences may also be attributable to sources outside of the site.	Ongoing	N/A	High
8-12/05/2012	Monitoring equipment offline	Other location (please spec	1. Minor	Sewer	Operational contr	Failure of mains power supply to continuous on-line monitoring equipment, resulting in the equipment for monitoring the stormwater wetlands and for monitoring the emissions to sewer going off-line.	Normal activities	EPA	New	No mitigation measures taken at the time of the incident	There was a loss of mains ESB supply in the Ballyogan area at this time.	Complete	2.00pm 12th June	Low
14/05/2012	Trigger level reached	Other location (please spec	1. Minor	Air	Operational contr	Carbon Dioxide exceedences: GW4 (1.9), GW5 (3.2),GW9a (3.5), GW16 (1.6), GW17 (1.7), GW18 (3.4), GW19a (3.6), GW20a (3.7), GW24 (3.0), GW45 (5.3), GW48a (6.9), GW49a (1.5), GW52 (2.0), GW57a (1.9), GW59a (8.5), GW77a (2.5), GW79a (4.0), GW80 (1.5), GW81 (1.5), GW82 (2.2)	Normal activities	Local Authorities	Recurring	No mitigation measures taken at the time; minor reoccurring incident. The matter will be kept under review.	Negligible effect on local air quality. It is considered likely that the measured levels of CO2 at these wells represent background levels present prior to commencement of landfilling. The exceedences may also be attributable to sources outside of the site.	Ongoing		High
7th - 10th June 2012	Uncontrolled release	Licenced discharge point (ty	1. Minor	Sewer	Operational contr	Failure to monitor all the leachate discharge from landfill to sewer as set out in Schedule G.6. The incidents occurred as a result of very high rainfall, subsequent infiltration into the leachate collection system an ESB power outage. This led to rapid rises in the leachate collection sump, which discharged into the sewer.	Normal activities	EPA	New	No mitigation meas	There was a loss of mains ESB supply in the Bally	Complete	10/06/2012	Low
8/6/2012 to 9/06/2012	Monitoring equipment offline	Other location (please spec	1. Minor	No Uncontrolled release	Plant or equipment	issues	Normal activities	EPA	Recurring	No mitigation measures taken at the time of the incident ESB Power to Weather Station restored 9th June. Recording of weather data re-commenced on 3rd July.	N/A	Complete	09/06/2012	Low
15/06/2012	Uncontrolled release	Licenced discharge point (ty	1. Minor	Sewer	Operational contr	Failure to monitor all the leachate discharge from landfill to sewer as set out in Schedule G.6. The incidents occurred as a result of the mal-operation of a leachate transfer pump. This led to a rise in the leachate collection sump which discharged to sewer.	Normal activities	EPA	New	No mitigation measures taken at the time of the incident Ballyogan area at this time.	There was a loss of mains ESB supply in the Bally	Complete	15/06/2012	Low
18/06/2012 & 20/06/2012	Trigger level reached	Other location (please spec	1. Minor	Air	Operational contr	GW 3, GW 4 , GW 5, GW 6, GW 9a, GW 17, GW 20a, GW 24, GW45,GW 48a , GW56, GW 59a, GW77a, GW 79a, GW 81	Normal activities	Local Authorities	Recurring	No mitigation measures taken at the time; minor reoccurring incident. The matter will be kept under review.	Negligible effect on local air quality. It is considered likely that the measured levels of CO2 at these wells represent background levels present prior to commencement of landfilling. The exceedences may also be attributable to sources outside of the site.	Ongoing	N/A	High
25/06/2013	Uncontrolled release	Licenced discharge point (ty	1. Minor	Sewer	Operational contr	Dissolved methane readings at discharge exceeding Licence limit of 0.14 mg/l.	Normal activities	EPA	New	Minimal effect. No discharge to surface water occurred Plant to be serviced and cleaned. Sampling of discharge and laboratory testing to continue.	Not anticipated when preventative actions have been undertaken	Ongoing	25/06/2013	Low
30/07/2012	Trigger level reached	Other location (please spec	1. Minor	Air	Operational contr	GW 3, GW 4 , GW 5, GW 6, GW7, GW8, GW9a, GW 15, GW 17, GW19a, GW 20a, GW45, GW 48a, GW 49a, GW 51a, GW 52b, GW 59a, GW77a, GW 79a, GW 81, GW 82, GW 83, GW 84	Normal activities	Local Authorities	Recurring	No mitigation measures taken at the time; minor reoccurring incident. The matter will be kept under review.	Negligible effect on local air quality. It is considered likely that the measured levels of CO2 at these wells represent background levels present prior to commencement of landfilling. The exceedences may also be attributable to sources outside of the site.	Ongoing	N/A	High
15/08/2012 & 20/8/2012	Trigger level reached	Other location (please spec	1. Minor	Air	Operational contr	GW 1, GW 2, GW 4, GW 7, GW 8, GW 9a, GW 15,GW 16, GW 17, GW 19a, GW 20a, GW21b, GW 24, GW45, GW 47a, GW 48a, GW 49a, GW 51a, GW 52b, GW 57a, GW 59a, GW 76a, GW77a, GW 79a, GW 81, GW 82, GW 83, GW 84	Normal activities	Local Authorities	Recurring	No mitigation measures taken at the time; minor reoccurring incident. The matter will be kept under review.	Negligible effect on local air quality. It is considered likely that the measured levels of CO2 at these wells represent background levels present prior to commencement of landfilling. The exceedences may also be attributable to sources outside of the site.	Ongoing	N/A	High
05/09/2012	Trigger level reached	Other location (please spec	1. Minor	Air	Operational contr	GW 3, GW 4, GW 5, GW 7, GW 8, GW 15, GW 17, GW 19a, GW 20, GW 24, GW 45, GW 48a, GW 49a, GW 51a, GW 52a, GW 57a, GW 59a, GW76a, GW77a, GW 79a, GW 81, GW 82, GW 83, GW 84	Normal activities	Local Authorities	Recurring	No mitigation measures taken at the time; minor reoccurring incident. The matter will be kept under review.	Negligible effect on local air quality. It is considered likely that the measured levels of CO2 at these wells represent background levels present prior to commencement of landfilling. The exceedences may also be attributable to sources outside of the site.	Ongoing	N/A	High
30/10/2012	Trigger level reached	Other location (please spec	1. Minor	Air	Operational contr	GW7, GW17, GW19a, GW20a, GW45, GW48a, GW49a, GW50a, GW51a, GW52b, GW55, GW57a, GW59a, GW79a, GW81, GW82, GW83, GW84	Normal activities	Local Authorities	Recurring	No mitigation measures taken at the time; minor reoccurring incident. The matter will be kept under review.	Negligible effect on local air quality. It is considered likely that the measured levels of CO2 at these wells represent background levels present prior to commencement of landfilling. The exceedences may also be attributable to sources outside of the site.	Ongoing	N/A	High

Total number of incidents current year	16
Total number of incidents previous year	18
% reduction/ increase	11%

WASTE SUMMARY Lic No: W0015-01 Year 2012

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

			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) If yes please enter details in table 1 below	No	
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)

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code European Waste Catalogue EWC codes	Source of waste accepted	Description of waste accepted **Please enter an accurate and detailed description - which** European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/Increase over previous year +/ - %	Reason for reduction/increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging 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

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?	N/A	
8	Do you maintain a sludge register on site?	N/A	

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
				Ballyogan Landfill has been closed to accepting waste since 2005

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	
Stage 1	1975	2005	No	Public	Non Hazardous	2005	No			177000	0	177000	
Stage 2	1975	2005	No	Public	Non Hazardous	2005	No			266000	0	266000	

Table 4 Environmental monitoring-landfill only Landfill Manual-Monitoring Standards

Was meterological 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	Yes		

.+ 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	0	443000	0	443000	Topsoil, Subsoil, Geocomposite, LLDPE or clay liner	

*please note this includes daily cover area

Table 6 Leachate-Landfill only

			Leachate generated at the landfill is pretreated on site at Methane Stripping Plant
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
			Yes	The inlet flow in to the engines is not measured at Ballyogan. Thereforeit is not possible to enter details of the total gas captured.

Environmental Protection Agency

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.15

REFERENCE YEAR	2012

1. FACILITY IDENTIFICATION

Parent Company Name	Dun Laoghaire-Rathdown County Council
Facility Name	Ballyogan Landfill Facility Ballyogan Recycling Park
PRTR Identification Number	W0015
Licence Number	W0015-01

Waste or IPPC Classes of Activity

No.	class_name
3.1	Deposit on, in or under land (including landfill).
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.12	Repackaging 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.
3.4	Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.
3.5	Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.
3.6	Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule.
3.7	##
4.1	Solvent reclamation or regeneration.
4.10	The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.
4.11	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
4.12	Exchange of waste for submission to 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.
4.6	Recovery of components used for pollution abatement.
4.9	Use of any waste principally as a fuel or other means to generate energy.

Address 1	Ballyogan Road
Address 2	Jamestown Townland
Address 3	Carrickmines
Address 4	Dublin 18
	Dublin
Country	Ireland
Coordinates of Location	-6.19293 53.252
River Basin District	IEEA
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Seamus Moran
AER Returns Contact Email Address	smoran@dlrcoco.ie
AER Returns Contact Position	Landfill Manager
AER Returns Contact Telephone Number	0866026888
AER Returns Contact Mobile Phone Number	0866026888
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	9
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?	
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

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Yea	F (Fugitive) KG/Yea
03	Carbon dioxide (CO2)	C	OTH	Gas Sim 2.5 Statistics + Site Data	62754.912	3380183.635	0.0	3317428.723
01	**Methane (CH4)**	C	OTH	Gas Sim 2.5 Statistics + Site Data	31509.802	1411923.835	0.0	1380414.033

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

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Yea	F (Fugitive) KG/Yea
14	Hydrochlorofluorocarbons (HCFCs)	C	OTH	Calcs using Gas Sim 2 PI Report	0.0	7.29	0.0	7.29
15	Chlorofluorocarbons (CFCs)	C	OTH	Calcs using Gas Sim 2 PI Report	0.0	6.4	0.0	6.4

* 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)

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Yea	F (Fugitive) KG/Yea
					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: Ballyogan Landfill Facility Ballyogan Recycling Par

Please enter summary data on the quantities of methane flared and / or utilised	T (Total) kg/Year	M/C/E	Method Used: Method Code	Method Used: Designation or Description	Facility Total Capacity m3 per hour	
Total estimated methane generation (as per sit	2955904.145	C	OTH	Gas Sim 2.5 - Statistics	N/A	
Methane flared	0.0				0.0	(Total Flaring Capacity)
Methane utilised in engine/s	1543980.30922771	M	OTH	Engine Site Data	0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section above)	1411923.83577229	C	OTH	Calculation	N/A	

4.2 RELEASES TO WATERS

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your faci

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			Method Used					
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 B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			Method Used					
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)

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			Method Used					
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

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
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 B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
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

4.4 RELEASES TO LAND

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

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

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

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Please enter all quantities on this sheet in Tonnes 0

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	20 01 28	No	1.05	paint, inks, adhesives and resins other than those mentioned in 20 01 27	R4	M	Weighed	Offsite in Ireland	David Keirnan,WP289	Fingal Recycling ,Balbriggan,Dublin,,Ireland		
Within the Country	15 01 01	No	187.0	paper and cardboard packaging	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	15 01 02	No	67.54	plastic packaging	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	15 01 02	No	0.76	plastic packaging	R12	M	Weighed	Offsite in Ireland	Oxigen,W0152-03	Robinhood Industrial Estate,Ballymount,Dublin 22,,Ireland		
Within the Country	15 01 04	No	24.0	metallic packaging	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	15 01 05	No	5.0	composite packaging	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	15 01 07	No	200.0	glass packaging	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	16 05 04	Yes	4.44	gases in pressure containers (including halons) containing dangerous substances	R4	M	Weighed	Offsite in Ireland	BOC Gas,.	Collected for reuse,.,.,.,Ireland	BOC GAS,.,Reused by BOC,.,.,.,Ireland	Reused by BOC,.,.,.,Ireland
Within the Country	16 06 01	Yes	18.3	lead batteries	R12	M	Weighed	Offsite in Ireland	KMK Metals,W0113-03	Cappincur Industrial Estate,Tullamore,Co Offaly,.,Ireland	KMK Metals,W0110-03,Cappincur Industrial Estate,Tullamore,Offaly,.,Ireland	Cappincur Industrial Estate,Tullamore,Offaly,.,Ireland
Within the Country	16 06 04	No	6.22	alkaline batteries (except 16 06 03)	R12	M	Weighed	Offsite in Ireland	The Recycling Village,WFP/MH/11/0005/01	Unit 4 Terenure Business Park,Monasterboice,Droghed a,Co Louth,Ireland		
Within the Country	20 03 99	No	22.85	municipal wastes not otherwise specified	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	19 07 03	No	7857.099	landfill leachate other than those mentioned in 19 07 02	D8	M	Volume Calculation	Offsite in Ireland	Shanganagh Waste Water Treatment Plant,.,Dun Laoghaire Rathdown County Council,D0038-01	Dun Laoghaire,.,Ireland		
Within the Country	20 01 01	No	224.0	Paper non packaging	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	20 01 01	No	78.0	Newspapers and magazines	R12	M	Weighed	Offsite in Ireland	Textile Recycling,WPR-014/2	Glen Abbey Complex,Belgard Road,Tallaght,Dublin 24,Ireland		
Within the Country	20 01 02	No	17.0	glass	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	20 01 11	No	141.0	textiles	R12	M	Weighed	Offsite in Ireland	Textile Recycling,WPR-014/2	Glen Abbey Complex,Belgard Road,Tallaght,Dublin 24,Ireland		
Within the Country	20 01 25	No	4.5	edible oil and fat	R12	M	Weighed	Offsite in Ireland	Mitchell Taylor Exports Ltd,WP 98119	Newmarket,Dublin 8,.,.,Ireland		
Within the Country	20 01 26	Yes	15.3	oil and fat other than those mentioned in 20 01 25	R9	M	Weighed	Offsite in Ireland	Enva Ireland Ltd,W0184-01	Clonminam Industrial Estate,Portlaoise,Co Laois,.,Ireland	Enva Ireland Ltd,W0184-01,Clonminam Industrial Estate,Portlaoise,.,.,Ireland	Clonminham Industrial Estate,Portlaoise,.,.,Ireland
Within the Country	20 01 27	Yes	114.5	paint, inks, adhesives and resins containing dangerous substances	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland	Oxigen,W0152-01,Robinhood Industrial Estate,Robinhood Road,Ballymount,Dublin 22,Ireland	Robinhood Industrial Estate,Robinhood Road,Ballymount,Dublin 22,Ireland
Within the Country	20 01 35	Yes	324.48	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 23 containing hazardous components	R12	M	Weighed	Offsite in Ireland	Trevor Ratcliffe Deliveries Limited,WCP-DC-08-1130-01	Ballystrahan,St Margaret?s ,Dublin,.,Ireland	Trevor Ratcliffe Deliveries Ltd,WCP-DC-08-1130-01,Ballystrahan,St Margaret?s,Co Dublin,.,Ireland	Ballystrahan,St Margaret?s,Co Dublin,.,Ireland
Within the Country	20 01 36	No	300.68	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R12	M	Weighed	Offsite in Ireland	KMK Metals,W0113-03	Cappincur Industrial Estate,Tullamore,Co Offaly,.,Ireland		
Within the Country	20 01 38	No	492.0	wood other than that mentioned in 20 01 37	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	20 01 40	No	239.0	metals	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	20 02 01	No	2843.0	biodegradable waste	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	20 02 01	No	1393.0	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Enrich Composting,WFP/MH/08/0001/01	Kilcock,.,.,Meath,Ireland		
Within the Country	20 02 02	No	275.0	soil and stones	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	20 03 01	No	217.0	mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Oxigen,W0152-03	Robinhood Industrial Estate,Ballymount,Dublin 22,,Ireland		
Within the Country	20 03 07	No	1240.62	bulky waste	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	16 06 01	Yes	0.8	lead batteries	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland	Oxigen,W0152-01,Robinhood Industrial Estate,Robinhood Road,Ballymount,Dublin 22,Ireland	Robinhood Industrial Estate,Robinhood Road,Ballymount,Dublin 22,Ireland
Within the Country	20 01 26	Yes	0.16	oil and fat other than those mentioned in 20 01 25	R9	M	Weighed	Offsite in Ireland	Bolton RVO Ltd,WP260/2006	Castledermot,.,.,Kildare,Ireland	Bolton RVO Ltd,WP260/2006,Castledermot,.,Kildare,.,Ireland	Castledermot,.,Kildare,.,Ireland
Within the Country	20 01 25	No	1.16	edible oil and fat	R9	M	Weighed	Offsite in Ireland	Bolton RVO Ltd,WP260/2006	Castledermot,.,.,Kildare,Ireland		
Within the Country	20 03 07	No	8.18	bulky waste	R12	M	Weighed	Offsite in Ireland	Oxigen,W0152-03	Robinhood Industrial Estate,Ballymount,Dublin 22,,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