Facility Information Summary	
Licence Register Number	W0015-01
Name of site	Ballyogan Ladfill and Recycling Park
Site Location	Ballyogan Road, Carrickmines, Dublin 18
NACE Code	3821
Class 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.
RBME risk category	A2
National Grid Reference (6E, 6 N)	-6.19293 53.252
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;	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 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.	
Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Brenda McEvoy RPS on behalf of DLRCC

AER summary template-AIR emissions

			Additional information
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 <u>only</u> need to complete table 1 fugitive emissions on site below	No	

Table 1 Fugitive emissions

Parameter /Substance	Annual fugitive emission (kg/annum)	Quantificaton method M/C/E
Methane (CH4)	1,382,177.05	C
Carbon dioxide (CO2)	2,593,906.90	C
Nitrogen oxides (NOx/NO2)	36500	C
Chlorofluorocarbons (CFCs)	10	C
Hydrochlorofluorocarbons (HCFCs)	6.6	C

	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	
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 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
D2pm10	Dust	Dec-11	50	97 % of 24-hour average values < ELV	57.5	µg/Nm3	no (if no please enter details in comments box)	OTH			
BN01	Carbon monoxide (CO)	Jan-12	650	100 % of values < ELV	957.56	mg/Nm3	no (if no please enter details in comments box)	EN 15058:2004			

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 3: 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)	% compliance current reporting year	Comments
	SELECT			SELECT	SELECT					

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

8	Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out table 5	No	

Table 5: 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 (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance
					SELECT
					SELECT

Table 6: Solvent Mass Balance summary								
	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste gases(kg)	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-passes (kg)	Solvents destroyed onsite through physical reaction e.g. incineration(kg)	Total emission of Solvent to air (kg)
							Total	

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** licenced emissions you only need to complete table 1 and /table 2 below for ambient monitoring 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 2 below summarising only any evidence of contamination noted during visual inspections	No	

Table 1 Ambient 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)	19/08/2011	300	All values < ELV	288.93	mg/L	yes	Upsteam / downstream locations not applicable
BRP Sewer	SELECT		Ammonia (as N)	08/04/2011	300	All values < ELV	16	mg/L	yes	Upsteam / downstream locations not applicable
Landfill Sewer	SELECT		Suspended Solids	10/03/2011	2000	All values < ELV	151	mg/L	yes	Upsteam / downstream locations not applicable
BRP Sewer	SELECT		Suspended Solids	10/11/2011	2000	All values < ELV	764	mg/L	yes	Upsteam / downstream locations not applicable
Stormwater Outlet	SELECT		Suspended Solids	12/11/2011	35	All values < ELV	13.5	mg/L	yes	Upsteam / downstream locations not applicable

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

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

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

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

3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table 3 below			No	Additional information
4	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	External /Internal Lab Quality checklist	Assessment of results checklist	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
	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	
	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**	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 5 below**	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
Landfill Sewer	Wastewater/Sewer	Ammonia (as N)	300	24 hour	All values < ELV	mg/L	1484.839	7%			
BRP Sewer	Wastewater/Sewer	Ammonia (as N)	300	24 hour	All values < ELV	mg/L	84.734	-60%			
Landfill Sewer	Wastewater/Sewer	Suspended Solids	2000	24 hour	All values < ELV	mg/L	546.804	-32%			
BRP Sewer	Wastewater/Sewer	Suspended Solids	2000	24 hour	All values < ELV	mg/L	2309.199	124%			
Stormwater Outlet	Water	Suspended Solids	35	24 hour	All values < ELV	mg/L	53.427	162%			
Stormwater Outlet	Water	Suspended Solids	–	24 hour	All values < ELV	mg/L	3.658	-75%			

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

Bund/pipe testing report summary ALL IPPC/WASTE licensed facilities | **Intensive agriculture facilities please use alternative template**

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 1 below listing all bunds and containment structures on site	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	

Table 1: Summary details of bund 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
	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
4 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	
5 Are channels/transfer systems to remote containment systems tested?	SELECT	
6 Are channels/transfer systems compliant in both integrity and available volume?	SELECT	
7 Do all sumps and chambers have high level liquid alarms?	SELECT	
8 If yes to Q7 are these failsafe systems included in a maintenance and testing programme?	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	No	
2 Please provide integrity testing frequency period	SELECT	

Table 2: Summary details of underground structures/pipeline 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

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	
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 2010 levels of waste recovery from waste arising at CRF	100	Overall the quantity of waste accepted at the CRF Decresed by 16% in 2011. However the recovery rate for the CRF increased from 82% in 2010 to 97% in 2011.	Section Head	Improved Environmental Management Practices
Additional improvements	Reduce service level complaints at CRF.	100	No complaints were reported in 2011	Section Head	Less complaints
Additional improvements	Maintain reportable accidents to zero.	100	No accidents were reported in 2011	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 increased by 11% since 2010. 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 2011 and infrastructure is maintained on standby.	Section Head	Improved Environmental Management Practices
Additional improvements	Maintain zero odour nuisances during 2011.	100	No odour complaints were received in 2011	Section Head	Reduced emissions
Additional improvements	Minimise nuisances to immediate boundary neighbours.	100	Target reached – reduction in the number of complaints received in 2010.	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. Overall energy usage has decreased by 34%	Section Head	Improved Environmental Management Practices
Additional improvements	Reduce leachate generation.	90	Capping was completed in June 2010. Leachate generation in 2011 has increased by ~23% since 2010. However in comparison to 2009 leachate generation has reduced overall by 86% since capping has been completed.	Section Head	Reduced emissions
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.	Individual	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 March 2012 replacement monitoring wells were installed. One remaining replacement well is to be installed in September 2012.	Section Head	Installation of infrastructure
Additional improvements	Public Amenity of Landfill	20	Ongoing discussions with relevant parties	Section Head	Improved Environmental Management Practices

Noise Monitoring Report Summary

1	Was noise monitoring a licence requirement for the AER period?	Yes
	If yes please fill in table 1 noise summary below	
2	Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? Draft Noise Guidance	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 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)?
19/12/2011	8.54	321129, 224242	NSL1	73.01	61.03	77.02	86.25	No	SELECT	Road traffic and LUAS dominant intermittent noise source. People walking and talking nearby. No landfill activities audible.	No
19/12/2011	23:24	321129, 224242	NSL1	67.53	52.97	70.64	85.81	No		Road traffic, bus and LUAS dominant intermittent noise source, people talking nearby. No landfill activities audible.	No
19/12/2011	9.53	320779, 224272	NSL 2	53.2	45.9	56.2	70.1	No		Traffic audible from road dominant intermittent noise. Tonal noise from ESB sub-station also audible. Landfill activities not audible.	Yes
20/12/2011	00:53	320779, 224272	NSL 2	46.1	39.5	48.9	60.2	No		Traffic audible from road dominant intermittent noise. Tonal noise from ESB sub-station also audible. Landfill activities not audible.	No
19/12/2011	9.35	320802, 224339	NSL 3	67.87	57.16	72.55	81.34	Yes	No	Intermittent road traffic and LUAS dominant noise source. Tonal noise from ESB substation, car passing in driveway, wind blowing vegetation and car horn. No landfill activities audible.	No
20/12/2011	00:33	320802, 224339	NSL 3	58.48	48.76	58.69	76.27	No		Intermittent road traffic and LUAS dominant noise source. Tonal noise from ESB substation, pedestrian crossing beeping and wind blowing trees also audible. No landfill activities audible.	No
19/12/2011	08:36	321227, 224206	NSL4	73.57	63.05	77.14	87.85	No		Passing traffic and LUAS along Ballyogan Road was the dominant source of noise. Pedestrians passing and birds singing nearby also audible. No landfill activities audible.	Yes
19/12/2011	22:40	321227, 224206	NSL4	66.67	52.12	69.97	83.93	No		Dominant noise sources at this location were passing traffic and LUAS along Ballyogan Rd. Dog barking and walker passing by also audible. No landfill activities audible.	No
19/12/2011	09:15	320940, 224284	NSL5	58.6	52.57	60.83	80.83	No		Dominant noise source at this location was the extraction fan from the An Post facility and traffic and LUAS passing along Ballyogan Rd. Some localised noise from trolley movement voices and cars passing in the An Post Depot. Localised noise from machinery and movement at the bottle bank and tonal noise from ESB substation also audible. Landfill activities not audible.	Yes
19/12/2011	23:54	320940, 224284	NSL5	51.56	48.58	53.78	60.31	No		Dominant noise source at this location was the extraction fan from the An Post facility and the Traffic and LUAS passing along Ballyogan Rd. Tonal noise from ESB substation also audible. No landfill noise audible in the An Post compound.	No
19/12/2011	10:22	320508, 223349	NSL6	47.27	45.15	48.86	59.11	No		Dominant noise sources at this location was passing traffic along Enniskerry Rd. Birds singing also audible, No landfill activities audible at this location.	No
19/12/2011	22:15	320508, 223349	NSL6	50.6	46.56	51.17	71.92	No		Dominant noise sources at this location were traffic passing along Enniskerry Rd., rustling foliage and dog barking. Landfill inaudible at this location.	
19/12/2011	10:37	320336, 223408	NSL7	47.99	45.06	48.85	75.65	No		Dominant noise sources at this location were passing traffic along Enniskerry Rd, truck reversing and movement of trucks on site nearby, rustling foliage and dog barking. Landfill inaudible at this location.	No
19/12/2011	22:00	320336, 223408	NSL7	51.8	46.98	52.29	75.47	No		Dominant noise sources at this location were passing traffic along Enniskerry Rd, rustling foliage and dog barking. Landfill inaudible at this location.	No

*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?
Tonal components were present in measurements recorded during the monitoring period it was noted that tonal components reported in the 1/3 Octave Band Analysis at NSL3 were attributed to the operation of the ESB sub-station facility located adjacent to the landfill. No tonal components in the noise can

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		None has been carried out to date	
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 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	299,284	197712	-34%	
Electricity	212,102	174681	-18%	
Fossil Fuels:				
Heavy Fuel Oil				
Light Fuel Oil				
Natural gas	87,182	23031	-74%	
Coal/Solid fuel				
Renewable energy generated on site	7,539,000	6,997,000	-7%	

* 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 yea

Note: electricity consumption provided for 2011 is an estimate as there was a change over from electricity providers and there was an overestimation of electricity usage in 2010 which was reimbursed in 2011.

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	1848	1942	5.09%	
Total	1848	1942	5.09%	

* 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 yea

Table 3: Energy Audit finding recommendations

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					

SECTION A-PRTR 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	Yes	
2	Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	No	
3	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	No	

Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)

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 applies to** European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/Increase over previous year +/ - %	Reason for reduction/increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

	Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
e.g.	Residual	400,000	0	0	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
										m2	m2	m2	
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 or 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	No		

.+ 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
m2	m2					
0	0	443000	0	443000	Topsoil, Subsoil, Geocomposite, Geogrid, LLDPE or clay liner	

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9	Is leachate from your site treated in a Waste Water Treatment Plant?	Yes	Leachate generated at the landfill is pretreated on site at Methane Stripping Plant: Yes
10	Is leachate released to surface water? If yes please complete leachate mass load informati	No	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
	6997.0	National Grid	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 1.1.13

REFERENCE YEAR	2011

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	0
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

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

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

Is it applicable?	
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 ?	

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/Year	F (Fugitive) KG/Year
03	Carbon dioxide (CO2)	C	OTH	Calcs using Gas Sim 2.5 Statistics & Site Data	80974.08	2674880.98416	0.0	2593906.90416
01	Methane (CH4)	C	OTH	Calcs using Gas Sim 2.5 Statistics & Site Data	33190.048	1415367.1	0.0	1382177.052
08	**Nitrogen oxides (NOx/NO2)**	C	OTH	Calcs using Gas Sim 2 Pl Report	0	36500.0	0.0	36500.0

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

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO 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/Year	F (Fugitive) KG/Year
14	Hydrochlorofluorocarbons (HCFCs)	C	OTH	Calcs using Gas Sim 2 Pl Report	0.0	6.6	0.0	6.6
15	Chlorofluorocarbons (CFCs)	C	OTH	Calcs using Gas Sim 2 Pl Report	0.0	10.2	0.0	10.2

* 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/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

Additional Data Requested from Landfill operators

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

Landfill: Ballyogan Landfill Facility Ballyogan Recycling Park

Please enter summary data on the quantities of methane flared and / or utilised	**T (Total) kg/Year**	**M/C/E**	**Method Used**		**Facility Total Capacity m3 per hour**	
			Method Code	**Designation or Description**		
Total estimated methane generation (as per site model)	3041679.1	C	OTH	Gas Sim 2 - Statistics	N/A	
Methane flared	0.0				0.0	(Total Flaring Capacity)
Methane utilised in engine/s	1626312.0	M	OTH	Site Data	0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	1415367.1	C	OTH	Gas Sim 2 - Statistics	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 co

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
238	Ammonia (as N)	C	OTH	Scaled up based on Quarterly Monitoring Results	3.658	3.658	0.0	0.0
240	**Suspended Solids**	C	OTH	Scaled up based on Quarterly Monitoring Results	53.427	53.427	0.0	0.0

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

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

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		Emissions from sewer	Emissions from BRP			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
06	**Ammonia (NH3)**	C	OTH	Scaled up using quarterly monitoring results	1484.839	84.733766446	1569.572766446	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		Emissions from sewer	Emissions from BRP			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
240	Suspended Solids	C	OTH	Scaled up using quarterly monitoring results	546.804	2309.198777052	2856.002777052	0.0	0.0
343	Sulphate	C	OTH	Scaled up using quarterly monitoring results	685.06	184.186543965	869.246543965	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

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 03 01	No	280.0	mixed municipal waste	D1	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	1678.43	biodegradable waste	R3	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	2322.16	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Enrich Composting,WFP/MH/08/00 01/01	Kilcock,.,.,Meath,Ireland		
Within the Country	15 01 01	No	185.0	paper and cardboard packaging	R3	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	225.0	Paper non packaging	R3	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	71.0	Newspapers and magazines	R3	M	Weighed	Offsite in Ireland	Textile Recycling,WPR-014/2	Glen Abbey Complex,Belgard Road,Tallaght,Dublin 24,Ireland		
Within the Country	15 01 07	No	209.0	glass packaging	R5	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	20 01 02	No	17.0	glass	R5	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	15 01 04	No	10.0	metallic packaging	R4	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	15 01 04	No	12.0	metallic packaging	R4	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	273.0	metals	R4	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	64.0	plastic packaging	R3	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	20 01 39	No	2.0	plastics	R3	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	6.0	composite packaging	R3	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	R3	M	Weighed	Offsite in Ireland	Textile Recycling,WPR-014/2	Glen Abbey Complex,Belgard Road,Tallaght,Dublin 24,Ireland		
Within the Country	20 01 38	No	543.0	wood other than that mentioned in 20 01 37	R3	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	22.96	lead batteries	R4	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	6.41	alkaline batteries (except 16 06 03)	R4	M	Weighed	Offsite in Ireland	The Recycling Village,WFP/MH/11/0005/01	Unit 4 Terenure Business Park,Monasterboice,Drogheda,Co Louth,Ireland		
Within the Country	20 01 26	Yes	14.2	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,Clonminham Industrial Estate,Portlaoise,.,.,Ireland	Clonminham Industrial Estate,Portlaoise,.,.,Ireland
Within the Country	20 01 25	No	4.08	edible oil and fat	R6	M	Weighed	Offsite in Ireland	Mitchell Taylor Exports Ltd,WP 98119	Newmarket,Dublin 8,.,.,Ireland		
Within the Country	20 01 27	Yes	126.06	paint, inks, adhesives and resins containing dangerous substances	R5	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	17 08 02	No	20.94	gypsum-based construction materials other than those mentioned in 17 08 01	R5	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	20 02 02	No	311.54	soil and stones	R5	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	20 03 07	No	1302.98	bulky waste	R4	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	08 03 99	No	0.78	wastes not otherwise specified	R4	M	Weighed	Offsite in Ireland	David Keirnan,WP289	Fingal Recycling ,Balbriggan,Dublin,.,Ireland		
Within the Country	16 05 04	Yes	5.92	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	20 01 21	Yes	1.66	fluorescent tubes and other mercury-containing waste	R4	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	325.25	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 23 containing hazardous components	R4	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**	302.38	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland	KMK Metals,W0113-03	Cappincur Industrial Estate,Tullamore,Co Offaly,.,Ireland		
Within the Country	19 07 03	No	5298.8	landfill leachate other than those mentioned in 19 07 02	D8	M	Volume Calculation	Offsite in Ireland	Dun Laoghaire Rathdown County Council,D0038-01	Shanganagh Waste Water Treatment Plant,.,Dun Laoghaire,.,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