Facility Information Summary	
AER Reporting Year	2017
Licence Register Number	W0015-01
Name of site	Ballyogan Landfill & Recycling Park
Site Location	Ballyogan, Carrrickmines, Dublin 18
NACE Code	3821
Class/Classes of Activity	Deposit in or under land (closed unlined landfills)
National Grid Reference (6E, 6 N)	320500E 223900N (-6.19293 lon 53.252 lat)

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 a Civic Recycling Facility (CRF) within the Recycling Park. This was operated by Oxigen Environmental on a short term contract since August 2010-February 2016 and is now operated by Thorntons. The principal activity on the site up to March 2005 was 'deposit in, on or under land' within the landfill site. The landfill site ceased accepting waste on 29th March 2005. The principal activity on site from 2005 to 2009 was baling waste for transfer to Arthurstown Landfill, Kill, Co.Kildare. Ballyogan waste transfer 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)	Date

AIR-summary template	Lic No:	W0015-01	Year	2017

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	Yes	

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	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 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
BN02	Carbon monoxide (CO)	annually	650	SELECT	1091	mg/Nm3	no (if no please enter details in comments box)	NDIR by Horiba PG-350E	14430.6	The licence limit is far lower than that recommended in AG7 of 1400 to 1500 mg/m3. It is below that limit.
BN02	Nitrogen oxides (NOx/NO2)	annually	500	SELECT	407.9	mg/Nm3	yes	Chemiluminesence by Horiba PG-250	5395.7	stack testing result in 2017 was higher than 2016. Engine BN02 ran longer in 2017 than in 2016 (7748 hrs vs 7582 hrs).
BN02	Sulphur oxides (SOx/SO2)	annually	-	SELECT	564.6	mg/Nm3	SELECT	NDIR by Horiba PG-250	990.2	stack testing result in 2017 was higher than 2016. Engine BN02 ran longer in 2017 than in 2016 (7748 hrs vs 7582 hrs).
BN02	volumetric flow	annually	3000	SELECT	2421	m3/hr	SELECT	Pitot tube and thermocouple		

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

AIR-summary template	Lic No:	W0015-01	Year	2017

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 A2 and compare it to its relevant Emission Limit Value (ELV)		
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 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 A3 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					

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

AIR-summary template	Lic No:	W0015-01	Year	2017

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	SELECT

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 (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 A5: Solvent Mass Balance summary

	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	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 2017

			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 storm 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	Yes	

Table W1 Storm 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
Stormwater Outlet	onsite	SELECT	Ammonia (as N)	Jan-Mar Weekly, Apr-Dec 2017 Quarterly	N/A	All values < ELV	0.075	mg/L	yes	
Stormwater Outlet	onsite	SELECT	Suspended Solids	Jan-Mar Weekly, Apr-Dec 2017 Quarterly	35	N/A	1.311	mg/L	yes	

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

Table W2 Visual inspections-Please only enter details where contamination was observed.

Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
			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		No	
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 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)
Landfill Sewer	Wastewater/Sewer	pH	discrete	Monthly	Annual	5.0-10.0	No pH value shall deviate from the specified range.	7.88	pH units	yes	This detail is included in each of the lab certs submitted to agency, too much information to repeat.	This detail is included in each of the lab certs submitted to agency, too much information to repeat.	This detail is included in each of the lab certs submitted to agency, too much information to repeat.	
Landfill Sewer	Wastewater/Sewer	Dissolved Methane	discrete	Monthly	Annual	0.14	All results < 1.2 x ELV	0.014	mg/L	yes	as above	as above	as above	0.20
Landfill Sewer	Wastewater/Sewer	Ammoniacal Nitrogen	discrete	Monthly	Annual	300	All results < 1.2 x ELV	160.87	mg/L	yes	as above	as above	as above	1,666.50
Landfill Sewer	Wastewater/Sewer	BOD	discrete	Monthly	Annual	12500	All results < 1.2 x ELV	2.655	mg/L	yes	as above	as above	as above	58.65
Landfill Sewer	Wastewater/Sewer	COD	discrete	Monthly	Annual	37500	All results < 1.2 x ELV	69.17778	mg/L	yes	as above	as above	as above	1,297.70
Landfill Sewer	Wastewater/Sewer	Oils, Fats & Greases (Dissolved	discrete	Monthly	Annual	200	All results < 1.2 x ELV	<1	mg/L	yes	as above	as above	as above	<1
Landfill Sewer	Wastewater/Sewer	Sulphate	discrete	Monthly	Annual	500	All results < 1.2 x ELV	56.0333	mg/L	yes	as above	as above	as above	1,159.24
Landfill Sewer	Wastewater/Sewer	Surfactants	discrete	Monthly	Annual	100	All results < 1.2 x ELV	0.29975	mg/L	yes	as above	as above	as above	7.85
Landfill Sewer	Wastewater/Sewer	Total Suspended Solids	discrete	Monthly	Annual	2500	All results < 1.2 x ELV	18.744	mg/L	yes	as above	as above	as above	393.45

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0015-01 Year 2017

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 W4 and compare it to its relevant Emission Limit Value (ELV)

6	Did continuous monitoring equipment experience downtime? **If yes please record downtime in table W4 below**	No	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	Yes	The site has an ongoing maintenance contract with CSL to ensure equipment on site is maintained
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
Landfill Sewer	Wastewater/Sewer	Temperature	N/A	24 hour	SELECT	degrees C					
Landfill Sewer	Wastewater/Sewer	Methane (dissolved)	0.14	24 hour	All values < ELV	mg/L	0.20			0	
Landfill Sewer	Wastewater/Sewer	pH	5 to 10	24 hour	No pH value shall deviate from the specified range.	pH units					

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

Comments

Bund/Pipeline testing template	Lic No:	W0015-01	Year	2017	

Bund testing

dropdown menu click to see options

			Additional information
	Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to **all bunds which failed** the integrity test-**all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)		
1		Yes	
2	Please provide integrity testing frequency period	3 years	
	Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore"		
3	type units and mobile bunds)	Yes	
4	How many bunds are on site?	5	
5	How many of these bunds have been tested within the required test schedule?	Yes	
6	How many mobile bunds are on site?	All	
7	Are the mobile bunds included in the bund test schedule?	Yes	
8	How many of these mobile bunds have been tested within the required test schedule?	All	
9	How many sumps on site are included in the integrity test schedule?	None	
10	How many of these sumps are integrity tested within the test schedule?	N/a	
	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?	SELECT	
13	Is the Fire Water Retention Pond included in your integrity test programme?	SELECT	N/A

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)
Bund B01: Methane Str	reinforced concrete		Leachate	14,460	25%	Hydraulic test	ic test - see bund test cert previosuly s	28/06/2017	Yes	Fail	Outlet valve was partially blocke	Removed obstruction	2020	
Bund B02: Leachate Hol	reinforced concrete		Leachate	268,500	110%	Hydraulic test	ic test - see bund test cert previosuly s	28/06/2017	Yes	Pass		SELECT	2020	
Bund B03: Diesel Tanks	reinforced concrete		Diesel Fuel	49,475	110%	Hydraulic test	ic test - see bund test cert previosuly s	28/06/2017	Yes	Fail	Outlet valve blocked open and fill	Removed obstruction	2020	

* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

			Commentary
	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in		
15	line with BS8007/EPA Guidance? bunding and storage guidelines	No	
16	Are channels/transfer systems to remote containment systems tested?	SELECT	Not applicable
17	Are channels/transfer systems compliant in both integrity and available volume?	SELECT	not applicable

Pipeline/underground structure testing

	Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all		
1	underground structures and pipelines on site **which failed the integrity test and all which have not been tested withing the integrity test period as specified**	No	
2	Please provide integrity testing frequency period	SELECT	n/a
	*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)		

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	2017

				Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes		Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
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	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. Groundwater monitoring template	yes		There is 5 years of data available to examine these trends (2013-2017). There are some minor increases in parameters both upgradient and downgradient of the site. Quarterly parameters with rising trends, have shown a low level of increasing trend and are well below the relevant IGV/OTV. The annual parameters with rising trends overall, are well below the relevant IGV/OTV. Manganese was above the IGV at well MW4D (downgradient) similar to 2016 but can be a widely occuring element in groundwaters.
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	N/A		
8	Is there a licence condition to carry out/update ELRA for the site?	N/A		
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?	yes		
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	Upward trend in pollutant concentration over last 5 years of monitoring data
2016	MW7D	pH	Field probe	Quarterly	7.705	7.6085	pH Unit		>6.5 & <9.5	yes
2016	MW7D	Electrical Conductivity	Field probe	Quarterly	0.629	0.61925	mS/cm	1.875		yes
2016	MW7D	Dissolved Oxygen	Field probe	Quarterly	6.54	4.3325	mg/l		NAC	yes
2016	MW7D	Ammoniacal Nitrogen	Kone Analyser	Quarterly	0.0453	0.029133333	mg/l	0.175		no
2016	MW7D	Chloride	Kone Analyser	Quarterly	31.5	31.35	mg/l	187.5		yes
2016	MW7D	Potassium	Nitric Digest/ICP	Quarterly	1.61	1.22	mg/l		5	no
2016	MW7D	Sodium	Nitric Digest/ICP	Quarterly	17.7	17.225	mg/l	150		yes
2016	MW7D	Total Organic Carbon	Colorimetry	Quarterly	<3	<3	mg/l		NAC	no
2016	MW7D	Total Oxidised Nitrogen	Kone Analyser	Quarterly	3.41	3.34	mg/l		NAC	no
2016	MW7D	Phenols, Total Detected 5	HPLC	Quarterly	<0.025	<0.025	mg/l	0.0005		no
2016	MW7D	Alkalinity	Colorimetry	Annual	255		mg/l		NAC	no
2016	MW7D	Boron (diss.filt)	Nitric Digest/ICP	Annual	13.50		µg/l	750		no
2016	MW7D	Cadmium (diss.filt)	Nitric Digest/ICP	Annual	<0.08		µg/l	3.75		no
2016	MW7D	Calcium (diss.filt)	Nitric Digest/ICP	Annual	103		mg/l		200	yes
2016	MW7D	Chromium (tot.unfilt)	Nitric Digest/ICP	Annual	<3		µg/l	37.5		no
2016	MW7D	Copper (diss.filt)	Nitric Digest/ICP	Annual	<0.3		µg/l	1500		no
2016	MW7D	Cyanide	Nitric Digest/ICP	Annual	<0.05		mg/l	0.0375		no
2016	MW7D	Fluoride	Kone Analyser	Annual	<0.5		mg/l	1		no
2016	MW7D	Iron (diss.filt)	Nitric Digest/ICP	Annual	<0.019		mg/l		0.2	no
2016	MW7D	Lead (diss.filt)	Nitric Digest/ICP	Annual	<0.2		µg/l	18.75		no
2016	MW7D	Magnesium (diss.filt)	Nitric Digest/ICP	Annual	8.63		mg/l		50	yes
2016	MW7D	Manganese (diss.filt)	Nitric Digest/ICP	Annual	1.97		µg/l		50	no
2016	MW7D	Mercury (diss.filt)	Nitric Digest/ICP	Annual	<0.01		µg/l	0.75		no
2016	MW7D	Phosphorus (tot.unfilt)	Nitric Digest/ICP	Annual	84.2		µg/l	35		no
2016	MW7D	Sulphate as SO4	Kone Analyser	Annual	15.3		mg/l	187.5		no
2016	MW7D	Zinc (diss.filt)	Nitric Digest/ICP	Annual	<1		µg/l		100	no
2016	MW7D	Total Coliforms	Colilert System	Annual			MPN/100ml		0	yes
2016	MW7D	Faecal Coliforms	Membrane Filtration	Annual			CFU/100ml		0	no
2016	MW7D	Total Suspended Solids	Filtration	Annual	28		mg/l			no

.+ where average indicates arithmetic mean

.++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Groundwater/Soil monitoring template Lic No: W0015-01 Year 2017

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	IGV	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
2016	MW4D	pH	Field probe	Quarterly	8.013	7.7865	pH Unit		>6.5 & <9.5	yes
	MW4D	Electrical Conductivity	Field probe	Quarterly	0.84	0.74325	mS/cm	1.875		no
	MW4D	Dissolved Oxygen	Field probe	Quarterly	7.62	5.6525	mg/l		NAC	yes
	MW4D	Ammoniacal Nitrogen	Kone Analyser	Quarterly	0.0461	0.0382	mg/l	0.175		yes
	MW4D	Chloride	Kone Analyser	Quarterly	58.8	44.425	mg/l	187.5		yes
	MW4D	Potassium	Nitric Digest/ICP	Quarterly	1.61	1.59	mg/l		5	no
	MW4D	Sodium	Nitric Digest/ICP	Quarterly	27.5	25.075	mg/l	150		yes
	MW4D	Total Organic Carbon	Colorimetry	Quarterly	<3	<3	mg/l		NAC	no
	MW4D	Total Oxidised Nitrogen	Kone Analyser	Quarterly	0.164	0.164	mg/l		NAC	no
	MW4D	Phenols, Total Detected 5	HPLC	Quarterly	<0.025	<0.025	mg/l	0.0005		no
	MW4D	Alkalinity, Total as CaCO3	Colorimetry	Annual	290		mg/l		NAC	no
	MW4D	Boron (diss.filt)	Nitric Digest/ICP	Annual	6.95		µg/l	750		no
	MW4D	Cadmium (diss.filt)	Nitric Digest/ICP	Annual	0.0981		µg/l	3.75		no
	MW4D	Calcium (diss.filt)	Nitric Digest/ICP	Annual	107		mg/l		200	yes
	MW4D	Chromium (tot.unfilt)	Nitric Digest/ICP	Annual	33.6		µg/l	37.5		yes
	MW4D	Copper (diss.filt)	Nitric Digest/ICP	Annual	<0.3		µg/l	1500		no
	MW4D	Cyanide	Nitric Digest/ICP	Annual	<0.05		mg/l	0.0375		no
	MW4D	Fluoride	Kone Analyser	Annual	<0.5		mg/l	1		no
	MW4D	Iron (diss.filt)	Nitric Digest/ICP	Annual	<0.019		mg/l		0.2	no
	MW4D	Lead (diss.filt)	Nitric Digest/ICP	Annual	<0.2		µg/l	18.75		no
	MW4D	Magnesium (diss.filt)	Nitric Digest/ICP	Annual	14.4		mg/l		50	no
	MW4D	Manganese (diss.filt)	Nitric Digest/ICP	Annual	310		µg/l		50	yes
	MW4D	Mercury (diss.filt)	Nitric Digest/ICP	Annual	<0.01		µg/l	0.75		no
	MW4D	Phosphorus (tot.unfilt)	Nitric Digest/ICP	Annual	783		µg/l	35		yes
	MW4D	Sulphate as SO4	Kone Analyser	Annual	37.5		mg/l	187.5		yes
	MW4D	Zinc (diss.filt)	Nitric Digest/ICP	Annual	1.16		µg/l		100	no
	MW4D	Total Coliforms	Colilert System	Annual			MPN/100ml		0	no
	MW4D	Faecal Coliforms	Membrane Filtration	Annual	-		CFU/100ml		0	no
	MW4D	Total Suspended Solids	Gravimetric Filtration	Annual	84.5		mg/l			no

*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA.

Groundwater monitoring template

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)

Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).

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

Surface water EQS | Groundwater regulations GTV's | Drinking water (private supply) standards | Drinking water (public supply) standards | Interim Guideline Values (IGV)

Table 3: Soil results

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

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

Environmental Liabilities template	Lic No:	W0015-01	Year	2017

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

			Commentary
1	ELRA initial agreement status	SELECT	An ELRA has been requested on the request of the insurance company.
2	ELRA review status	SELECT	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
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	losure plan submitted and agreed by EP	Landfill was closed in 2005
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	SELECT	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0015-01 Year 2017

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

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT

Noise monitoring summary report	Lic No:	W0015-01	Year	2017

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?	Enter date
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)?
24/07/2017	Day	321149E 224527N	NSL1	**72**	76	60	87.44	No	No	On-site: None Off-site: Ballyogan Road traffic, Luas, pedestrians, Aeroplanes overhead (distant)	Yes
20/12/2017	Night	321149E 224527N	NSL1	**66**	69	43	86.46	No	No	**On-site:** None **Off-site:** Ballyogan Road and M50 traffic, Luas, ESB substation (distant)	Yes
24/07/2017	Day	320801E 224620N	NSL2	**63**	66	49	89.37	No	No	On-site: None Offsite: Luas, kids in crèche/playschool nearby, Ballyogan road traffic, bird song. Main noise sources were from the DLR depot vehicles passing in and out of depot, people talking and working near the monitor	Yes
20/12/2017	Night	320801E 224620N	NSL2	43	43	39	70.89	No	No	**On-site:** Landfill Methane plant engine **Off-site:** ESB pylon, M50 traffic (distant), Luas, Ballyogan Road traffic, post office depot staff working	Yes
24/07/2017	Day	320834E 224358N	NSL3	**65**	69	53	80.6	No	No	On-site: None Off-site: DLR depot traffic, Ballyogan Road traffic, Luas, pedestrians on pavement.	Yes
20/12/2017	Night	320834E 224358N	NSL3	**51**	51	37	79.8	No	No	On-site: None Off-site: ESB pylon, Ballyogan road traffic (distant), Luas, a post depot activity.	Yes
24/07/2017	Day	321268E 224214N	NSL4	**71**	75	60	82.77	No	No	On-site: None Off-site: Ballyogan Road traffic, Pedestrians, Luas, vegetation blowing in the wind.	Yes

20/12/2017	Night	321268E 224214N	NSL4	**68**	71	46	100.2	No	No	On-site: None Off-site: Ballyogan Road traffic, Luas, ESB substation pylon (distant)	Yes
24/07/2017	Day	320916E 224297N	NSL5	**71**	75	60	68.51	No	No	On-site: None Off-site: Ballyogan Road traffic, Pedestrians, Luas, vegetation blowing in the wind.	Yes
20/12/2017	Night	320916E 224297N	NSL5	**48**	50	37	73.06	No	No	On-site: None Off-site: ESB pylon, Ballyogan Road Traffic, bird calls/songs, Luas	Yes
24/07/2017	Day	320532E 223356N	NSL6	49	54	41	75.51	No	No	On-site: None Off-site: Glenamuck and Enniskerry Road traffic, M50 traffic (distant), bird song, tractor mowing the grass of the rugby pitch where monitor was located	Yes
20/12/2017	Night	320532E 223356N	NSL6	41	43	35	68	No	No	On-site: None Off-site: Road traffic (M50, distant), Glenamuck and Enniskerry Road traffic, rustling foliage, metal banging off goal posts	Yes
24/07/2017	Day	320320E 223143N	NSL7	49	51	43	79.66	No	No	On-site: None Off-site: Bird song, M50 traffic (distant), people talking and gold activity	Yes
20/12/2017	Night	320320E 223143N	NSL7	38	41	34	60.12	No	No	On-site: None Offsite: Road traffic (M50, distant), ESB Pylon at substation, Glenamuck and Enniskerry Road traffic, rustling foliage and animals in the woods.	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 noise senstive locations were attributable to offsite sources like Ballyogan Road and M50 road traffic, pedestrias on the Ballyogan road, birdsong, luas, pedstrian and offsite activities. They were not as a result of facility activities.
Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary	Lic No:	W0015-01	Year	2017

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	Enter date of audit	
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	Not applicable

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)					
Total Energy Generated (MWHrs)					
Total Renewable Energy Generated (M	5262	4549	down 14%		13.55%
Electricity Consumption (MWHrs)	212.878	190.84	Down 12%		-10.35%
Fossil Fuels Consumption:					
Heavy Fuel Oil (m3)					
Light Fuel Oil (m3)					
Natural gas (m3)	6915	5457	Down 21%		-21.08%
Coal/Solid fuel (metric tonnes)					
Peat (metric tonnes)					
Renewable Biomass					
Renewable energy generated on site					

* where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

** where site production information is available please enter percentage increase or decrease compared to previous year

Table 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	1693.5	1576.6	Down 7%				
Recycled water							
Total	1693.5	1576.6	Down 7%				

* 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)					

Resource Usage/Energy efficiency summary Lic No: W0015-01 Year 2017

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 2017

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

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

Incidents		
		Additional information
Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below	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	Likelihood of reoccurence
20/01/2017	Trigger level reached	Other location (Perimeter Gas Wells)	1. Minor	Air	Operational controls	CO2 was recorded above the trigger level of 1.5% v/v at perimeter wells: GW04 1.7%, GW19A 2.8%, GW20A 3.0%, GW21B 2.2%, GW24 2.2%, GW45A 3.2%, GW47A 4.1%, GW48A 5.9%, GW52B 3.8%, GW55A 2.1%, GW57B 2.0%, GW59A 6.0%, GW80 2.0%, GW81 2.2%, GW82 2.9%, GW84A 1.6%.	Normal activities	EPA	Recurring			Ongoing	n/a	High
24/02/2017	Trigger level reached	Other location (Perimeter Gas Wells)	1. Minor	Air	Operational controls	CO2 was recorded above the trigger level of 1.5% v/v at perimeter wells: GW04 1.7 GW19A 2.8 GW20A 3 GW21B 2.2 GW24 2.2 GW45A 3.2 GW47A 4.1 GW48A 5.9 GW52B 3.8 GW55A 2.1 GW57B 2 GW58 2.1 GW59A 6 GW80 2 GW81 2.2 GW82 2.9 GW84A 1.6 0% v.v methane was recorded at all wells with the exception of GW44 (0.7% v.v) which were under the ELV. Bioverda Power Systems were informed of the incident today (24/02/17), the results for all monitoring of perimeter gas wells were forwarded to them.	Normal activities	EPA	Recurring			Ongoing	n/a	High
08/03/2017	Trigger level reached	Other location (Perimeter Gas Wells)	1. Minor	Air	Operational controls	Detection of carbon dioxide above the 1.5%v/v trigger level in 16 no. landfill gas perimeter monitoring wells. All of these wells have previously exhibited elevated levels of carbon dioxide in previous years of monitoring and as recently as 2016. For three of the wells, GW05, GW09 and GW54A, these were the first exceendences recorded in the calender year 2017. Wells and levels (%v/v) detected are listed as follows: GW05 1.6 GW09A 3.6 GW19A 2.7 GW20A 3.2 GW24 3 GW45A 5 GW47A 3.4 GW48A 83.9 GW49A 1.7 GW50A 2.6 GW52B 1.7 GW54A 2.5 GW58 1.8 GW59A 5.8 GW81 2.4 GW82 2.1	Normal activities	EPA	Recurring			Ongoing	n/a	High
28/04/2017	Trigger level reached	Other location (Perimeter Gas Wells)	1. Minor	Air	Operational controls	Detection of CO2 at or above the trigger level of 1.5% v/v in 22 no. perimeter monitoring wells. All of these wells have previously exhibited levels of CO2 above the trigger level in historic monitoring results. Wells and levels of CO2 detected are listed as follows (there was no incidence of methane above the trigger level of 1%v/v at any of the perimeter monitoring wells in April 2017): GW16 1.5 GW17 1.5 GW19A 3.2 GW20A 3.5 GW21B 1.8 GW24 4 GW45A 3.1 GW47A 4.8 GW48A 7.5 GW49A 2.7 GW50A 1.5 GW52B 5.1 GW55A 2.8 GW58 2.1 GW59A 6.6 GW79A 2.2 GW80 2.2 GW81 2.8 GW82 3.4 GW84A 2	Normal activities	EPA	Recurring			Ongoing	n/a	High

Complaints and Incidents summary template						Lic No:	W0015-01			Year	2017					
10/05/2017	Trigger level reached	Other location (Perimeter Gas Wells)	1. Minor	Air	Operational controls	CO_2 was above the trigger level of 1.5% v/v at perimeter wells: GW08: 5.9%, GW10B: 1.6%, GW16: 1.7%, GW17: 1.5%, GW19A: 3.3%, GW20A: 3.2%, GW45A: 3.5%, GW47A: 4.3%, GW48A: 8.0%, GW52B: 4.7%, GW55A: 2.8%, GW59A: 6.5%, GW79A: 2.1%, GW80: 2.6%, GW81: 2.8%, GW82: 3.5%, GW83: 2.1%, GW84A: 2.4%. Report not logged on Eden Portal due to issue with updating incident.	Normal activities	EPA	Recurring			Ongoing	n/a	High
07/06/2017	Trigger level reached	Other location (Perimeter Gas Wells)	1. Minor	Air	Operational controls	CO_2 was above the trigger level of 1.5% v/v at perimeter wells: GW04: 1.7%, GW06: 1.5%, GW08: 1.8%, GW15: 1.5%, GW16: 1.6%, GW17: 1.6%, GW19A: 3.4%, GW20A: 3.4%, GW24: 4.3%, GW45A: 3.8%, GW47A: 5.3%, GW48A: 9.2%, GW49A: 2.9%, GW52B: 3.9%, GW54A: 2.3%, GW59A: 6.8%, GW77A: 1.8%, GW79A: 2.9%, GW80: 2.8%, GW81: 2.9%, GW82: 3.8%, GW83: 1.9%, GW84A: 3.0%. Report not logged on Eden Portal due to issue with updating incident.	Normal activities	EPA	Recurring			Ongoing	n/a	High
21/07/2017	Trigger level reached	Other location (Perimeter Gas Wells)	1. Minor	Air	Operational controls	21 July 2017. Detection of carbon dioxide above the 1.5%v/v trigger level in 26 no. landfill gas perimeter monitoring wells. All of these wells have previously exhibited elevated levels of carbon dioxide in previous years of monitoring and as recently as 2016. For three of the wells, GW06, GW12B and GW76A, these were the first exceendences recorded in the calender year 2017. Wells and levels (%v/v) detected are listed as follows: GW04 GW05 GW06 GW08 GW12B GW15 GW16 GW17 GW19A GW20A GW24 GW45A GW47A GW48A GW49A GW52B GW54A GW59A GW76A GW77A GW79A GW80 GW81 GW82 GW83 GW84A	Normal activities	EPA	Recurring			Ongoing	n/a	High
03/08/2017	Trigger level reached	Other location (Perimeter Gas Wells)	1. Minor	Air	Operational controls	CO2 was above the trigger level of 1.5% v/v at perimeter wells: GW04: 1.7%, GW05: 2.0%, GW12B: 1.7%, GW15: 2.0%, GW16: 2.2%, GW17: 1.7%, GW19A: 3.7%, GW20A: 3.2%, GW24: 3.8%, GW45A: 4.9%, GW47A: 5.5%, GW48A: 7.3%, GW49A: 1.7%, GW52B: 4.0%, GW54A: 2.0%, GW55A: 2.4%, GW57B: 3.9%, GW58: 4.1%, GW59A: 8.3%, GW77A: 2.7%, GW80: 4.1%, GW82: 4.6%, GW83: 3.8%, GW84A: 5.0%. Report not logged on Eden Portal due to issue with updating incident.	Normal activities	EPA	Recurring			Ongoing	n/a	High
08/09/2017	Trigger level reached	Other location (Perimeter Gas Wells)	1. Minor	Air	Operational controls	CO2 was above the trigger level of 1.5% v/v at perimeter wells: GW05: 1.6%, GW15: 1.7%, GW16: 2.5%, GW17: 1.6%, GW19A: 3.7%, GW20A: 4.1%, GW45A: 4.4%, GW47A: 6.2%, GW48A: 8.8%, GW49A: 1.7%, GW21B: 1.5%, GW24: 3.8%, GW45A: 4.8%, GW47A: 5.4%, GW48A: 8.3%, GW49A: 2.1%, GW52B: 3.7%, GW55A: 2.9%, GW57B: 2.1%, GW58: 1.9%, GW59A: 7.7%, GW77A: 2.3%, GW80: 3.9%, GW81: 3.2%, GW82: 4.9%, GW83: 3.9%, GW84A: 4.7%. Report not logged on Eden Portal due to issue with updating incident.	Normal activities	EPA	Recurring			Ongoing	n/a	High
19/10/2017	Trigger level reached	Other location (Perimeter Gas Wells)	1. Minor	Air	Operational controls	Detection of carbon dioxide above the 1.5%v/v trigger level in 17 no. landfill gas perimeter monitoring wells. All of these wells have previously exhibited elevated levels of carbon dioxide in previous years of monitoring and as recently as 2016 and 2017. Wells and levels (%v/v) detected are listed as follows: GW09 GW16 GW19A GW20A GW24 GW45A GW47A GW48A GW52B GW55A GW57B GW59A GW80 GW81 GW82 GW83 GW84A	Normal activities	EPA	Recurring			Ongoing	n/a	High
16/11/2017	Trigger level reached	Other location (Perimeter Gas Wells)	1. Minor	Air	Operational controls	CO2 was above the trigger level of 1.5% v/v at perimeter wells: GW16: 1.7%, GW19A: 2.7%, GW20A: 4.5%, GW24: 2.7%, GW45A: 5.7%, GW47A: 5.3%, GW48A: 9.6%, GW52B: 2.8%, GW55A: 2.4%, GW57B: 1.9%, GW58: 2.0%, GW59A: 6.7%, GW80: 3.0%, GW81: 3.0%, GW82: 4.5%, GW83: 1.7%, GW84A: 2.3%. Report not logged on Eden Portal due to issue with updating incident.	Normal activities	EPA	Recurring			Ongoing	n/a	High
05/12/2017, 14/12/2	Trigger level reached	Other location (Perimeter Gas Wells)	1. Minor	Air	Operational controls	Detection of carbon dioxide above the 1.5%v/v trigger level in 16 no. landfill gas perimeter monitoring wells. All of these wells have previously exhibited elevated levels of carbon dioxide in previous years of monitoring and as recently as 2016 and 2017. Wells and levels (%v/v) detected are listed as follows: GW19A 2.2 GW20A 3.7 GW21B 1.8 GW24 2.7 GW45A 3.2 GW47A 3.4 GW48A 8.7 GW50A 2.3 GW52B 2.3 GW55A 2.1 GW58 2.2 GW59A 5.8 GW80 2.3 GW81 2.6 GW82 3.7 GW84A 2.1	Normal activities	EPA	Recurring			Ongoing	n/a	High

Total number of incidents current year	12
Total number of incidents previous year	12
% reduction/ increase	0

WASTE SUMMARY	Lic No:	W0015-01	Year	2017
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	The only waste accepted is at the civic amenity where it is stored prior to transfer off site for recovery, recycling or treatment at other facilities.
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	N/A	
3	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	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 relevant EWC code** 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	N/A	
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
		0	0	Ballyogan landfill ceased waste acceptance in 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 SELECT UNIT	Lined disposal area occupied by waste SELECT UNIT	Unlined area SELECT UNIT	Comments on liner type
Stage 1	1975	2005	No	Public	Non Hazardous	2005	No			177000	0	177000	

WASTE SUMMARY					Lic No:	W0015-01		Year	2017			
Stage 2	1975	2005	No	Public	Non Hazardous	2005	No			266000	0	266000	

WASTE SUMMARY Lic No: W0015-01 Year 2017

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	No	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
SELECT UNIT	SELECT UNIT					
0	0	0	0	443000	Topsoil, Subsoil, Geocomposite, 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
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
20263.4							

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
2648998	4,549	national grid	Yes	

Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2017

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

Classes of Activity

No.	**class_name**
	Refer to PRTR class activities below

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	Facility 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	2
User Feedback/Comments	Air: Net ch4 emissions decreased slightly as expected due to decreasing gas generation (and corresponding decreasing gas available for capture). PRTR pollutants: In 2017 the result of stack testing for SO2 was lower than in 2016. In 2017 stack testing result for NOx was higher than in 2016. The no. emission points remained unchanged. In 2017, one engine ran 7748 hours. T&T Wastes: The vol of leachate discharged to sewer was slightly higher in 2017 (33,625 m3) vs 2016 (30290 m3).
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

4.1 RELEASES TO AIR

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs				
POLLUTANT		METHOD					QUANTITY		
			Method Used		BN02				
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
01	**Methane (CH4)**	C	OTH	Total predicted generation minus total captured methane	0.0	0.0	1111761.0	0.0	1111761.0
02	Carbon monoxide (CO)	M	EN 15058:2004	NDIR by Horiba PG-250	14430.6	0.0	14430.6	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	EN 14792:2005	Chemiluminescence by Horiba PG-250	5395.7	0.0	5395.7	0.0	0.0
11	Sulphur oxides (SOx/SO2)	M	ALT	TGN M21, NDIR by Horiba PG-250	990.2	0.0	990.2	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 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
					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 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: Method Code	Method Used: Designation or Description	Facility Total Capacity m3 per hour	
Total estimated methane generation (as per site model)	1884276.0	E	OTH	Gassim 2.5	N/A	
Methane flared	7158.0	M	OTH	measured at flare	1500.0	(Total Flaring Capacity)
Methane utilised in engine/s	765357.0	M	OTH	measured at engine	1600.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	1111761.0	C	OTH	calculated as predicted minu	N/A	

Please enter all quantities on this sheet in Tonnes

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	08 03 99	No	1.04	wastes not otherwise specified	R12	M	Weighed	Offsite in Ireland	Kildarson Printers ,WCPEX-DC-08-11-01	17 The Sycamores,Stradbrook Hill,Blackrock,Co. Dublin WCPEX-DC-08-11-01,Ireland		
Within the Country	08 03 99	No	0.0	wastes not otherwise specified	R12	M	Weighed	Offsite in Ireland	Kildarson Printers ,WCPEX-DC-08-11-01	17 The Sycamores,Stradbrook Hill,Blackrock,Co. Dublin WCPEX-DC-08-11-01,Ireland		
Within the Country	15 01 01	No	0.0	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 01	No	243.81	paper and cardboard packaging	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-02	Unit 51,Henry Road,Parkwest Business Park ,Dublin 12,Ireland		
Within the Country	15 01 01	No	0.0	paper and cardboard packaging	R12	M	Weighed	Offsite in Ireland	Panda,W0039-02	Ballymount Cross,Ballymount ,Dublin 22,39-2,Ireland		
Within the Country	15 01 02	No	0.0	plastic bottles	R12	M	Weighed	Offsite in Ireland	Panda,W0039-02	Ballymount Cross,Ballymount ,Dublin 22,39-2,Ireland		
Within the Country	15 01 02	No	19.66	plastic bottles	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-02	Unit 51,Henry Road,Parkwest Business Park ,Dublin 12,Ireland		
Within the Country	15 01 02	No	0.0	plastic packaging	R12	M	Weighed	Offsite in Ireland	Oxigen,W0152-03	Robinhood Industrial Estate,Ballymount,Dublin 22,.,Ireland		
Within the Country	15 01 02	No	41.28	plastic packaging	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-02	Unit 51,Henry Road,Parkwest Business Park ,Dublin 12,Ireland		
Within the Country	15 01 02	No	5.98	plastic packaging	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling Centre,W0044-02	Kileen Road,Ballyfermot,Dublin,0,ireland		
Within the Country	15 01 02	No	0.0	plastic packaging	R12	M	Weighed	Offsite in Ireland	Rehab Recycling,WFP-DS-10-0008-03	Unit 77,Broomhill Road,Tallaght,Dublin 24,Ireland		
Within the Country	15 01 04	No	9.76	metallic packaging	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-02	Unit 51,Henry Road,Parkwest Business Park ,Dublin 12,Ireland		
Within the Country	15 01 04	No	9.88	metallic packaging	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-02	Unit 51,Henry Road,Parkwest Business Park ,Dublin 12,Ireland		
Within the Country	15 01 04	No	0.0	metallic packaging	R12	M	Weighed	Offsite in Ireland	Panda,W0039-02	Ballymount Cross,Ballymount ,Dublin 22,39-2,Ireland		
Within the Country	15 01 05	No	3.58	composite packaging	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-02	Unit 51,Henry Road,Parkwest Business Park ,Dublin 12,Ireland		
Within the Country	15 01 05	No	0.0	composite packaging	R12	M	Weighed	Offsite in Ireland	Oxigen,W0152-03	Robinhood Industrial Estate,Ballymount,Dublin 22,.,Ireland		
Within the Country	15 01 07	No	72.807	glass packaging	R12	M	Weighed	Offsite in Ireland	Glassco,WCP-DC-10-1257-01	Unit 4,Oberstown Ind Est,Naas,Co. Kildare,Ireland		
Within the Country	15 01 07	No	93.041	glass packaging	R12	M	Weighed	Offsite in Ireland	Glassco,WCP-DC-10-1257-01	Unit 4,Oberstown Ind Est,Naas,Co. Kildare,Ireland		

Within the Country	15 01 07	No	97.019	glass packaging	R12	M	Weighed	Offsite in Ireland	Glassco,WCP-DC-10-1257-01	Unit 4,Oberstown Ind Est,Naas,Co. Kildare,Ireland		
Within the Country	15 01 07	No	0.0	glass packaging	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland	SSRC Limited,W0054-02,Unit 1 A Allied Industrial Estate ,Kylemore Road Ballyfermot ,Dublin,10,Ireland	Unit 1 A Allied Industrial Estate ,Kylemore Road Ballyfermot ,Dublin,10,Ireland
Within the Country	16 05 04	Yes	7.56	gases in pressure containers (including halons) containing dangerous substances	R12	M	Weighed	Offsite in Ireland	Calor Gas,.	Long mile Road,.,.,Dublin 12,Ireland	Reuse,.,Reuse,.,.,.,Ireland	.,.,.,.,Ireland
Within the Country	16 06 01	Yes	0.5	lead batteries	R12	M	Weighed	Offsite in Ireland	KMK,WCP-OY-08-0607-01	Cappincur Ind Est,Daingean Road,Tullamore,Co Offaly,Ireland	KMK ,WCP-OY-08-0607-01,Cappincur ind est,Daingean Road,Tullamore,Co. Offaly,Ireland	Cappincur ind est,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	16 06 01	Yes	17.511	lead batteries	R12	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0184-01	Atlas Environmental Ireland Ilmited,Clonminam Industrial Estate,Portlaoise,.,Ireland	KMK ,WCP-OY-08-0607-01,Cappincur ind est,Daingean Road,Tullamore,Co. Offaly,Ireland	Cappincur ind est,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	17 08 02	No	9.82	gypsum-based construction materials other than those mentioned in 17 08 01	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-02	Unit 51,Henry Road,Parkwest Business Park ,Dublin 12,Ireland		
Within the Country	17 08 02	No	0.0	gypsum-based construction materials other than those mentioned in 17 08 01	R12	M	Weighed	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Ballymount,Dunlin 22,Ireland		
Within the Country	17 08 02	No	1.66	gypsum-based construction materials other than those mentioned in 17 08 01	R12	M	Weighed	Offsite in Ireland	Allied Recycling,NWCPO12-11002-01	Clonmellon Industrial Estate,Clonnellow,Navan,Meath,Ireland		
Within the Country	17 08 02	No	0.0	gypsum-based construction materials other than those mentioned in 17 08 01	R12	M	Weighed	Offsite in Ireland	Panda,W0039-02	Ballymount Cross,Ballymount ,Dublin 22,39-2,Ireland		
Within the Country	17 09 04	No	0.0	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling Centre,W0044-02	Kileen Road,Ballyfermot,Dublin,0,ireland		
Within the Country	17 09 04	No	0.0	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	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	33625.92	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		
Within the Country	20 01 01	No	0.0	paper and cardboard	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	292.16	paper and cardboard	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-02	Unit 51,Henry Road,Parkwest Business Park ,Dublin 12,Ireland		
Within the Country	20 01 01	No	0.0	paper and cardboard	R12	M	Weighed	Offsite in Ireland	Panda,W0039-02	Ballymount Cross,Ballymount ,Dublin 22,39-2,Ireland		
Within the Country	20 01 01	No	0.0	paper and cardboard	R12	M	Weighed	Offsite in Ireland	Oxigen,W0152-03	Robinhood Industrial Estate,Ballymount,Dublin 22,.,Ireland		
Within the Country	20 01 02	No	0.0	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 02	No	21.4	glass	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling Centre,W0044-02	Kileen Road,Ballyfermot,Dublin,0,ireland		
Within the Country	20 01 11	No	292.48	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 21	Yes	0.0	fluorescent tubes and other mercury-containing waste	R12	M	Weighed	Offsite in Ireland	Irish Lamp,WFP-KE-14-0072-01	Woodstock Ind Est,Athy,Co Kildare,.,Ireland	Irish Lamp,WFP-KE-14-0072-01,Woodstock ind est,Athy,Kildare,.,Ireland	Woodstock ind est,Athy,Kildare,.,Ireland
Within the Country	20 01 21	Yes	2.18	fluorescent tubes and other mercury-containing waste	R12	M	Weighed	Offsite in Ireland	KMK,WCP-OY-08-0607-01	Cappincur Ind Est,Daingean Road,Tullamore,Co Offaly,Ireland	KMK ,WCP-OY-08-0607-01,Cappincur ind est,Daingean Road,Tullamore,Co. Offaly,Ireland	Cappincur ind est,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 01 25	No	5.2	edible oil and fat	R12	M	Weighed	Offsite in Ireland	Frylite,xxxx	xxxx,xxxx,xxxx,xxxx,Ireland		
Within the Country	20 01 25	No	0.0	edible oil and fat	R12	M	Weighed	Offsite in Ireland	Frylite,xxxx	xxxx,xxxx,xxxx,xxxx,Ireland		
Within the Country	20 01 26	Yes	10.11	oil and fat other than those mentioned in 20 01 25	R12	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0184-01	Atlas Environmental Ireland Ilmited,Clonminam Industrial Estate,Portlaoise,.,Ireland	Enva Ireland Ltd,W0184-01,Clonminham Industrial Estate,Portlaoise,.,.,Ireland	Clonminham Industrial Estate,Portlaoise,.,.,Ireland
Within the Country	20 01 27	Yes	58.802	paint, inks, adhesives and resins containing dangerous substances	R12	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0184-01	Atlas Environmental Ireland Ilmited,Clonminam Industrial Estate,Portlaoise,.,Ireland	Rilta,W0192-03,Block 402 Grants Drive,Greenogue Business Park,Rathcoole,County Dublin,Ireland	Block 402 Grants Drive,Greenogue Business Park,Rathcoole,County Dublin,Ireland
Within the Country	20 01 27	Yes	0.0	paint, inks, adhesives and resins containing dangerous substances	R12	M	Weighed	Offsite in Ireland	SRCL,W0054-02	SRCL Limited Unit 1 A ,Allied Industrial Estate Kylemore Road Ballyfermot,Dublin,10,Ireland	SSRC Limited,W0054-02,Unit 1 A Allied Industrial Estate ,Kylemore Road Ballyfermot ,Dublin,10,Ireland	Unit 1 A Allied Industrial Estate ,Kylemore Road Ballyfermot ,Dublin,10,Ireland
Within the Country	**20 01 28**	**No**	67.624	paint, inks, adhesives and resins other than those mentioned in 20 01 27	R12	M	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0184-01	Atlas Environmental Ireland Ilmited,Clonminam Industrial Estate,Portlaoise,.,Ireland	Rediscovery Centre ,Rediscovery Centre ,Unit 4 Shangan Coury,Shangan Road,Ballymun,Dublin 9,Ireland	Unit 4 Shangan Coury,Shangan Road,Ballymun,Dublin 9,Ireland
Within the Country	20 01 33	Yes	6.98	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	R12	M	Weighed	Offsite in Ireland	KMK,WCP-OY-08-0607-01	Cappincur Ind Est,Daingean Road,Tullamore,Co Offaly,Ireland	KMK ,WCP-OY-08-0607-01,Cappincur ind est,Daingean Road,Tullamore,Co. Offaly,Ireland	Cappincur ind est,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 01 35	Yes	4.06	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	KMK,WCP-OY-08-0607-01	Cappincur Ind Est,Daingean Road,Tullamore,Co Offaly,Ireland	KMK ,WCP-OY-08-0607-01,Cappincur ind est,Daingean Road,Tullamore,Co. Offaly,Ireland	Cappincur ind est,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 01 35	Yes	232.87	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	Electrial Waste Management Ltd,WFP-DS-09-0012-01	Block 648,Greenoughe Business Park,Rathcoole,Dublin,Ireland	Electrical Waste Management,WFP-DS-09-0012-01,Block 648 ,Greenoughe Business Park,Rathcoole,Dublin,Ireland	Block 648 ,Greenoughe Business Park,Rathcoole,Dublin,Ireland
Within the Country	20 01 36	No	314.14	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,WCP-OY-08-0607-01	Cappincur Ind Est,Daingean Road,Tullamore,Co Offaly,Ireland		
Within the Country	20 01 36	No	0.0	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,WCP-OY-08-0607-01	Cappincur Ind Est,Daingean Road,Tullamore,Co Offaly,Ireland		
Within the Country	20 01 38	No	624.83	wood other than that mentioned in 20 01 37	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-02	Unit 51,Henry Road,Parkwest Business Park ,Dublin 12,Ireland		
Within the Country	20 01 38	No	0.0	wood other than that mentioned in 20 01 37	R12	M	Weighed	Offsite in Ireland	Kilmainham Wood Compost Facility,W0195-02	Kilmainham Wood,Ballynalurgan,Co. Meath,0,ireland		
Within the Country	20 01 39	No	8.2	plastics	R4	M	Weighed	Offsite in Ireland	Rehab Recycling,WFP-DS-10-0008-03	Unit 77,Broomhill Road,Tallaght,Dublin 24,Ireland		
Within the Country	20 01 40	No	10.968	lawnmowers	R4	M	Weighed	Offsite in Ireland	Mower City,Mower City	153 Emmet Road,Inchicore,Dublin,Dublin 8,Ireland		

Within the Country	20 01 40	No	0.68	metals	R4	M	Weighed	Offsite in Ireland	Rothar,.	Patrick Street,91,Dun Laoghaire ,Co. Dublin,Ireland
Within the Country	20 01 40	No	3.3	metals	R4	M	Weighed	Offsite in Ireland	Thorntons Recycling Centre,W0044-02	Kileen Road,Ballyfermot,Dublin,0,ireland
Within the Country	20 01 40	No	23.24	metals	R12	M	Weighed	Offsite in Ireland	Multimetals Recycling,NWCPO-09-0118502-02	Murrough Industrial Estate,Bollarney,Wicklow Town,Co. Wicklow,Ireland
Within the Country	20 01 40	No	134.87	metals	R12	M	Weighed	Offsite in Ireland	Hammond Lane,NWCPO-09-01184-03	Crag Avenue,Clondalkin Industrial Estate,Dublin,22,Ireland
Within the Country	20 01 40	No	92.47	metals	R12	M	Weighed	Offsite in Ireland	Hammond Lane,NWCPO-09-01184-03	Hammond Lane,Pigeon House Road,Ringsend,Dublin,Ireland
Within the Country	20 02 01	No	0.0	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	1041.6	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Bord Na Mona Conpst Facility,W0198-01	Kilberry,Athy,Co. Kildare,.,Ireland
Within the Country	20 02 01	No	2152.7	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Enrich Composting,WFP/MH/08/0001/01	Kilcock,.,.,Meath,Ireland
Within the Country	20 01 40	No	0.78	metals	R12	M	Weighed	Offsite in Ireland	Doyle & Doyle Wholesale Ltd.	78A Cookstown Industrial Estate, Tallaght, Dublin 24
Within the Country	20 02 02	No	322.71	soil and stones	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling Centre,W0044-02	Kileen Road,Ballyfermot,Dublin,0,ireland
Within the Country	20 03 01	No	162.64	mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling Centre,W0044-02	Kileen Road,Ballyfermot,Dublin,0,ireland
Within the Country	20 03 07	No	14.98	bulky waste	R12	M	Weighed	Offsite in Ireland	Eco Mattress Recycling Ltd.,WFP-DC-12-0032-01	Slaney Road ,133A,Glasnevin ,Dublin 11,Ireland
Within the Country	20 03 07	No	0.0	bulky waste	R12	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	1332.995	bulky waste	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling Centre,W0044-02	Kileen Road,Ballyfermot,Dublin,0,ireland
Within the Country	20 03 07	No	0.0	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
Link to Waste Guidance