

**Facility Information Summary**

AER Reporting Year	2016
Licence Register Number	W0026-03
Name of site	Kyletalesha Landfill
Site Location	Mountmellick Road, Portlaoise
NACE Code	
Class/Classes of Activity	Landfill for Non-Hazardous Waste
National Grid Reference (6E, 6 N)	245403, 202646

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.

Landfilling activities ceased on site in November 2012 and completion of capping works on the final section of mini-cell 15b was completed in March 2013. Despite the closed status of the site limited household waste volumes are still accepted at the domestic waste deposit area for offsite transfer and disposal by a licensed contractor. All environmental monitoring was completed as required under schedule D of the waste licence. Groundwater, landfill gas, flare stack emissions, dust deposition, leachate and surface water monitoring results for 2016 were consistent with previous historical results.

**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.

	30/03/2017
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

<b>AIR-summary template</b>	Lic No: W0026-03	Year	2016
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Answer all questions and complete all tables where relevant

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 <b>you do not have</b> licensed emissions and <b>do not complete a solvent management plan</b> (table A4 and A5) you <u>do not</u> need to complete the tables	Additional information	
		Yes	UNIFLARE 750m3 Flare

### Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below	No	
		3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? <a href="#">Basic air monitoring checklist</a> <a href="#">AGN2</a>

**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 thereof	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
UNIFLARE	Carbon monoxide (CO)	Annual	50 mg/Nm3	No 30min mean can exceed the ELV	2.12	mg/Nm3	yes	EN15058:2006		
	Nitrous oxide (N2O)	Annual	150 mg/Nm3	No 30min mean can exceed the ELV	141.83	mg/Nm3	yes	EN14792:2006		
	Total Volatile Organic Carbon (VOC)	Annual	10 mg/Nm3	No 30min mean can exceed the ELV	3.35	mgC/Nm3	yes	EN12619:2013		
	Hydrogen Chloride (HCL)	Annual	50 mg/Nm3	No 30min mean can exceed the ELV	0.56	mg/Nm3	yes	EN1911:2010		
	Hydrogen Fluoride (HF)	Annual	5 mg/Nm3	No 30min mean can exceed the ELV	<3.05	mg/Nm3	yes	EN15713:2006		
	Sulphur Dioxide (SO2)	Annual	N/A	No 30min mean can exceed the ELV	12.77	mg/Nm3	N/A	TGN21		
	Oxygen	Annual	N/A	No 30min mean can exceed the ELV	9.19	%v/v	N/A	EN14789:2005		

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	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
D1	Dust Deposition	3 Times a Year	50 mg/m <sup>2</sup> /day	Daily average < ELV	13.6, 47.7, 32.1	mg/m <sup>2</sup> /day	yes	OTH	N/A	N/A
D2	Dust Deposition	3 Times a Year	50 mg/m <sup>2</sup> /day	Daily average < ELV	43.5, 30.1, 90.7	mg/m <sup>2</sup> /day	yes	OTH	N/A	N/A
D3	Dust Deposition	3 Times a Year	50 mg/m <sup>2</sup> /day	Daily average < ELV	40.9, N/R, 10.1	mg/m <sup>2</sup> /day	yes	OTH	N/A	N/A

<b>AIR-summary template</b>	Lic No:	W0026-03	Year	2016
<b>Continuous Monitoring</b>				

4	Does your site carry out continuous air emissions monitoring? If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)	Yes	
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?	Yes	
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 thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
Site Office	CH4	1.0% v/v	Daily	Daily average < ELV	%v/v	N/A	0%	0	0	Less than ELV for all readings
Site Office	CO2	1.5% v/v	Daily	Daily average < ELV	%v/v	N/A	0%	0	0	Less than ELV for all readings
Weighbridge	CH4	1.0% v/v	Daily	Daily average < ELV	%v/v	N/A	0%	0	0	Less than ELV for all readings
Weighbridge	CO2	1.5% v/v	Daily	Daily average < ELV	%v/v	N/A	0%	0	0	Less than ELV for all readings
CA Site Office	CH4	1.0% v/v	Daily	Daily average < ELV	%v/v	N/A	0%	0	0	Less than ELV for all readings
CA Site Office	CO2	1.5% v/v	Daily	Daily average < ELV	%v/v	N/A	0%	0	0	Less than ELV for all readings

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

<b>AIR-summary template</b>	Lic No: W0026-03	Year: 2016
<b>Solvent use and management on site</b>		
8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5		No
<b>Table A4: Solvent Management Plan Summary</b> Total VOC Emission limit value		<a href="#">Solvent regulations</a> 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 thereof
		Compliance
		SELECT
		SELECT
<b>Table A5: Solvent Mass Balance summary</b>		
	(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. by-
		Solvents destroyed onsite through
		Total emission of Solvent to air (kg)
		Total

		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 licensed emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections	No	Leachate is Tankered off site to Laois Co. Co. Waste Water Treatment Plant
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	Schedule D.5

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
51	upstream	SELECT	Ammonia (as N)	08/02/16, 17/06/16, 27/09/16, 29/12/06	0.14	All values < ELV	0.65, 1.45, 0.56, 0.89	mg/L	no (if no please enter details in comments box)	Fully engineered cells in area. Breakdown of organics in bog most probably contributing to elevated concentrations
			BOD	08/02/16, 17/06/16, 27/09/16, 29/12/06	2.6	All values < ELV	1.7, 2.2, 1.3, 6	mg/L	no (if no please enter details in comments box)	
			COD	08/02/16, 17/06/16, 27/09/16, 29/12/06	40	All values < ELV	71.5, 57, 121, 90	mg/L	no (if no please enter details in comments box)	
			Chloride	08/02/16, 17/06/16, 27/09/16, 29/12/06	250	All values < ELV	14.6, 12.5, 11.9, 18.5	mg/L	yes	
			Conductivity	08/02/16, 17/06/16, 27/09/16, 29/12/06	1000	All values < ELV	250, 417, 236,	µS/cm @20oC	yes	
			Dissolved Oxygen	08/02/16, 17/06/16, 27/09/16, 29/12/06	No abnormal Change	All values < ELV	84.3, 82.6, 82.5	% Saturation	yes	
			Ortho-phosphate (as PO4)	08/02/16, 17/06/16, 27/09/16, 29/12/06	0.06	All values < ELV	<0.03, <0.03, <0.03 <0.02	mg/L	yes	
			pH	08/02/16, 17/06/16, 27/09/16, 29/12/06	No abnormal Change	All values < ELV	7.05, 7.78, 7.45	pH units	yes	
			Suspended Solids	08/02/16, 17/06/16, 27/09/16, 29/12/06	40	All values < ELV	30, 13, <5, <10	mg/L	yes	
			Temperature	08/02/16, 17/06/16, 27/09/16, 29/12/06	<2.6 above ambient	All values < ELV	6.9, 16.8, 14.2	degrees C	no (if no please enter details in comments box)	
	TON	08/02/16, 17/06/16, 27/09/16, 29/12/06	50	All values < ELV	<1, <1, <1, 0.99	mg/L	yes			

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)				Lic No:	W0026-03	Year	2016			
54	downstream	SELECT	Ammonia (as N)	08/02/16, 17/06/16, 27/09/16, 29/12/06	0.14	All values < ELV	0.14	mg/L	yes	Fully engineered cells in area. Breakdown of organics in bog most probably contributing to elevated concentrations
			BOD	08/02/16, 17/06/16, 27/09/16, 29/12/06	2.6	All values < ELV	2	mg/L	yes	
			COD	08/02/16, 17/06/16, 27/09/16, 29/12/06	40	All values < ELV	86	mg/L	no (if no please enter details in comments box)	
			Chloride	08/02/16, 17/06/16, 27/09/16, 29/12/06	250	All values < ELV	59.5	mg/L	yes	
			Conductivity	08/02/16, 17/06/16, 27/09/16, 29/12/06	1000	All values < ELV	904	µS/cm @20oC	yes	
			Dissolved Oxygen	08/02/16, 17/06/16, 27/09/16, 29/12/06	No abnormal Change	All values < ELV	67.1	% Saturation	yes	
			Ortho-phosphate (as PO4)	08/02/16, 17/06/16, 27/09/16, 29/12/06	0.06	All values < ELV	0.073	mg/L	no (if no please enter details in comments box)	
			pH	08/02/16, 17/06/16, 27/09/16, 29/12/06	No abnormal Change	All values < ELV	7.61	pH units	yes	
			Suspended Solids	08/02/16, 17/06/16, 27/09/16, 29/12/06	40	All values < ELV	10	mg/L	yes	
			Temperature	08/02/16, 17/06/16, 27/09/16, 29/12/06	2.6	All values < ELV	6.2	degrees C	yes	
	TON	08/02/16, 17/06/16, 27/09/16, 29/12/06	50	All values < ELV	2.8	mg/L	yes			
53	downstream	SELECT	Ammonia (as N)	08/02/16, 17/06/16, 27/09/16, 29/12/06	0.14	All values < ELV	3.7, 4.4, 5.8, 8.78	mg/L	no (if no please enter details in comments box)	Fully engineered cells in area. Breakdown of organics in bog most probably contributing to elevated concentrations
			BOD	08/02/16, 17/06/16, 27/09/16, 29/12/06	2.6	All values < ELV	2.5, 1.8, 1.3, 11	mg/L	no (if no please enter details in comments box)	
			COD	08/02/16, 17/06/16, 27/09/16, 29/12/06	40	All values < ELV	77, 85, 109, 103	mg/L	no (if no please enter details in comments box)	
			Chloride	08/02/16, 17/06/16, 27/09/16, 29/12/06	250	All values < ELV	24.7, 40.2, 43.1, 59.5	mg/L	yes	
			Conductivity	08/02/16, 17/06/16, 27/09/16, 29/12/06	1000	All values < ELV	468, 611, 516	µS/cm @20oC	yes	
			Dissolved Oxygen	08/02/16, 17/06/16, 27/09/16, 29/12/06	No abnormal Change	All values < ELV	11.6, 9.6, 10.5	mg/L	yes	
			Ortho-phosphate (as PO4)	08/02/16, 17/06/16, 27/09/16, 29/12/06	0.06	All values < ELV	<0.03, <0.03, <0.03, 0.02	mg/L	yes	
			pH	08/02/16, 17/06/16, 27/09/16, 29/12/06	No abnormal Change	All values < ELV	7.1, 7.7, 7.71	pH units	yes	
			Suspended Solids	08/02/16, 17/06/16, 27/09/16, 29/12/06	40	All values < ELV	9, 28, <5, 60	mg/L	no (if no please enter details in comments box)	
			Temperature	08/02/16, 17/06/16, 27/09/16, 29/12/06	<2.6 above ambient	All values < ELV	7.4, 16.1, 14.8	degrees C	yes	
	TON	08/02/16, 17/06/16, 27/09/16, 29/12/06	50	All values < ELV	<1, <1, <1, 1.69	mg/L	no (if no please enter details in comments box)			

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)				Lic No:	W0026-03	Year	2016			
55	onsite	SELECT	Ammonia (as N)	08/02/16, 17/06/16, 27/09/16, 29/12/06	0.14	All values < ELV	19, 68.5, 43.2, 47.98	mg/L	no (if no please enter details in comments box)	Fully engineered cells in area. Breakdown of organics in bog most probably contributing to elevated concentrations
			BOD	08/02/16, 17/06/16, 27/09/16, 29/12/06	2.6	All values < ELV	5.2, 18, 8, 17	mg/L	no (if no please enter details in comments box)	
			COD	08/02/16, 17/06/16, 27/09/16, 29/12/06	40	All values < ELV	59, 149, 218, 72	mg/L	no (if no please enter details in comments box)	
			Chloride	08/02/16, 17/06/16, 27/09/16, 29/12/06	250	All values < ELV	84.6, 225.6, 199.1, 251.4	mg/L	no (if no please enter details in comments box)	
			Conductivity	08/02/16, 17/06/16, 27/09/16, 29/12/06	1000	All values < ELV	1887, 2120, 1717	µS/cm @20oC	no (if no please enter details in comments box)	
			Dissolved Oxygen	08/02/16, 17/06/16, 27/09/16, 29/12/06	No abnormal Change	All values < ELV	0.3, 1.2, 0.4	mg/L	yes	
			Ortho-phosphate (as PO4)	08/02/16, 17/06/16, 27/09/16, 29/12/06	0.06	All values < ELV	0.29, 0.62, <0.03, 0.03	mg/L	no (if no please enter details in comments box)	
			pH	08/02/16, 17/06/16, 27/09/16, 29/12/06	No abnormal Change	All values < ELV	7.48, 7.45, 7.85	pH units	no (if no please enter details in comments box)	
			Suspended Solids	08/02/16, 17/06/16, 27/09/16, 29/12/06	40	All values < ELV	20, 92, 23, 11	mg/L	no (if no please enter details in comments box)	
			Temperature	08/02/16, 17/06/16, 27/09/16, 29/12/06	<2.6 above ambient	All values < ELV	6.2, 17.5, 13.9	degrees C	yes	
	TON	08/02/16, 17/06/16, 27/09/16, 29/12/06	50	All values < ELV	1.8, <1, <1, 0.69	mg/L	no (if no please enter details in comments box)			
530	onsite	SELECT	Ammonia (as N)	08/02/16, 17/06/16, 27/09/16, 29/12/06	0.14	All values < ELV	0.5, 2.4, 1.3, 1.8	mg/L	no (if no please enter details in comments box)	Fully engineered cells in area. Breakdown of organics in bog most probably contributing to elevated concentrations
			BOD	08/02/16, 17/06/16, 27/09/16, 29/12/06	2.6	All values < ELV	2.6, 1.1, 1.2, <2	mg/L	yes	
			COD	08/02/16, 17/06/16, 27/09/16, 29/12/06	40	All values < ELV	47, 51, 44, 30	mg/L	no (if no please enter details in comments box)	
			Chloride	08/02/16, 17/06/16, 27/09/16, 29/12/06	250	All values < ELV	22.4, 16.4, 12.5, 19.1	mg/L	yes	
			Conductivity	08/02/16, 17/06/16, 27/09/16, 29/12/06	1000	All values < ELV	527, 462, 586	µS/cm @20oC	yes	
			Dissolved Oxygen	08/02/16, 17/06/16, 27/09/16, 29/12/06	No abnormal Change	All values < ELV	84.1, 82.6, 82.5	% Saturation	yes	
			Ortho-phosphate (as PO4)	08/02/16, 17/06/16, 27/09/16, 29/12/06	0.06	All values < ELV	<0.03, <0.03, <0.046, <0.02	mg/L	yes	
			pH	08/02/16, 17/06/16, 27/09/16, 29/12/06	No abnormal Change	All values < ELV	7.57, 8.0, 7.86	pH units	yes	
			Suspended Solids	08/02/16, 17/06/16, 27/09/16, 29/12/06	40	All values < ELV	12, 23, <5, <5	mg/L	yes	
			Temperature	08/02/16, 17/06/16, 27/09/16, 29/12/06	<2.6 above ambient	All values < ELV	7.4, 16.3, 16.1	degrees C	yes	
	TON	08/02/16, 17/06/16, 27/09/16, 29/12/06	50	All values < ELV	<1, <1, 1, <0.25	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.

Date of inspection				
	Description of contamination	Source of contamination	Corrective action	Comments
Location Reference			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 W3 below

No	Additional information
Yes	

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](#)

Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference no:	Emission released to	Parameter/ Substance <sup>Note 1</sup>	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof <sup>Note 2</sup>	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number
	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 sta Additional Information

5 Continuous monitoring  Additional Information

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

6 If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

7 Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

8 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

Table W4: Summary of average emissions -continuous monitoring

	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
Emission reference no:	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

note 1: Volumetric flow shall be included as a reportable parameter.

Table W5: Abatement system bypass reporting table

	Duration (hours)	Location	Resultant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?
Date						SELECT	

\*Measures taken or proposed to reduce or limit bypass frequency

**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
- 2 Please provide integrity testing frequency period
- 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)
- 3 type units and mobile bunds)
- 4 How many bunds are on site?
- 5 How many of these bunds have been tested within the required test schedule?
- 6 How many mobile bunds are on site?
- 7 Are the mobile bunds included in the bund test schedule?
- 8 How many of these mobile bunds have been tested within the required test schedule?
- 9 How many sumps on site are included in the integrity test schedule?
- 10 How many of these sumps are integrity tested within the test schedule?

Yes	
3 years	as per condition 3.11.5
Yes	
6	
All	
1	
No	Bunds Regularly Changed
N/A	
N/a	
SELECT	
SELECT	
SELECT	

**Please list any sump integrity failures in table B1**

- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
- 13 Is the Fire Water Retention Pond included in your integrity test programme?

**Table B1: Summary details of bund /containment structure integrity test**

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
1A	reinforced concrete		Green waste			Hydraulic test		02/09/2015	Yes	Pass		SELECT		
1B	reinforced concrete		Green waste			Hydraulic test		02/09/2015	Yes	Pass				
1C	reinforced concrete		Green waste			Hydraulic test		02/09/2015	Yes	Pass				
2	reinforced concrete		Waste quarantine			Hydraulic test		02/09/2015	Yes	Pass				
3	reinforced concrete		Waste inspection			Hydraulic test		02/09/2015	Yes	Pass				
4	reinforced concrete		Waste oil bund			Hydraulic test		02/09/2015	Yes	Pass		SELECT		

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

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?

- 15 Are channels/transfer systems to remote containment systems tested?
- 16 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
Yes	
Yes	
Yes	

**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 underground structures and pipelines on site **which failed the integrity test and all which have not been tested within the integrity test period as specified**

2 Please provide integrity testing frequency period

\*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

No	
SELECT	

**Table B2: Summary details of pipeline/underground structures integrity test**

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

Please use commentary for additional details not answered by tables/ questions above

Groundwater/Soil monitoring template		Lic No:	W005-03	Year:	2016
Comments					
1. Are you required to carry out groundwater monitoring as part of your licence requirements?	yes				
2. Are you required to carry out soil monitoring as part of your licence requirements?	no				<p>Please provide an interpretation of groundwater monitoring data. In the interpretation box below if you require additional space please include a groundwater/environmental level monitoring results interpretation as an additional section in this AER</p> <p>The results for groundwater sampling completed in 2016 indicated that the concentrations of contaminants of concern are consistent with historic analysis results for the site. The results indicated that a number of parameters (e.g., ammonia, aluminium, iron and manganese) in some down gradient wells in the south of the site exceeded the appropriate GIV or DWS. However, a number of these parameters are also elevated in the area background well (04). Similarly, a number of parameters that were greater than the GIV and/or the Drinking Water Standards at down gradient wells in the north of the site were also elevated in the background well in that area of the site (04). All List (I) inorganic substances were less than the laboratory method detection limit and the majority of List (II) inorganic substance concentrations were less than the appropriate GIV and/or DWS. The results for 2016 indicated no increasing trend in groundwater parameters on site.</p>
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 GIVs or RVs 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 (8) and submit separately through ALER as a licensee return AND answer questions 5-12 below.	no				
5. Is the contamination related to operations at the facility (either current and/or historical)	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 EIRA for the site?	yes		Condition 12.2		
9. Has any type of risk assessment been carried out for the site?	yes		Completed Groundwater Screening Assessment in 2013		
10. Has a Conceptual Site Model been developed for the site?	yes		Completed as part of Groundwater Screening Assessment in 2013		
11. Have potential receptors been identified on and off site?	yes		Included in Groundwater Screening Assessment in 2013		
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***	units	GTV**	DWS	Upward trend in pollutant concentration over last 5 years of monitoring data
28/03/2016, 30/06/2016, 31/10/2016	G4	Turbidity	Purged Sample	Quarterly	12.3	10.68	NTU	20	GVV	No
		DO	Purged Sample	Quarterly	3.45	3.36	mg/l	N/A	GVV	No
		pH	Purged Sample	Quarterly	7.24	7.3	pH	>6.5-8.0	GVV	No
		Conductivity	Purged Sample	Quarterly	326	335	uS/cm	1875	GVV	No
		Ammonia	Purged Sample	Quarterly	4.3	4.43	mg/l	0.175	GVV	No
		Chloride	Purged Sample	Quarterly	29.4	33.8	mg/l	187.5	GVV	No
		Aluminium	Purged Sample	Annually	416	416	mg/l	No Abnormal Change	GVV	No
		Fluoride	Purged Sample	Annually	0.44	0.44	mg/l	1	GVV	No
		Sulphate	Purged Sample	Annually	<0.25	<0.25	mg/l	250	GVV	No
		Iron	Purged Sample	Annually	<0.25	<0.25	mg/l	No Abnormal Change	GVV	No
		Ortho-P	Purged Sample	Annually	<0.02	<0.02	mg/l	0.03	GVV	No
		Nit	Purged Sample	Annually	0.5	0.5	mg/l	No Abnormal Change	GVV	No
		VOC Suite	Purged Sample	Annually	At 15.0	At 15.0	mg/l	200	DWS	No
		Aluminium	Purged Sample	Annually	626	626	ug/l	350	GVV	No
		Boron	Purged Sample	Annually	5.8	5.8	ug/l	1.5	GVV	No
		Bromine	Purged Sample	Annually	<0.23	<0.23	mg/l	0.75	GVV	No
		Cadmium	Purged Sample	Annually	<0.0026	<0.0026	mg/l	0.0075	GVV	No
		Calcium	Purged Sample	Annually	331	331	mg/l	200	SDG***	No
		Iron	Purged Sample	Annually	28	28	mg/l	0.2	GVV	No
		Lead	Purged Sample	Annually	<0.006	<0.006	mg/l	0.016	GVV	No
		Magnesium	Purged Sample	Annually	11.0	11.0	mg/l	50	SDG***	No
		Manganese	Purged Sample	Annually	486	486	ug/l	20	DWS	No
		Nickel	Purged Sample	Annually	0.002	0.002	mg/l	0.015	GVV	No
		Potassium	Purged Sample	Annually	1.1	1.1	mg/l	1	GVV	No
		Sodium	Purged Sample	Annually	12	12	mg/l	100	GVV	No
		Mercury	Purged Sample	Annually	<0.20	<0.20	ug/l	0.8	GVV	No
		Chromium	Purged Sample	Annually	<0.02	<0.02	mg/l	0.0175	GVV	No
		Copper	Purged Sample	Annually	<0.00	<0.00	mg/l	1.5	GVV	No
		Zinc	Purged Sample	Annually	<0.1	<0.1	ug/l	100	GVV	No

Groundwater/Soil monitoring template			Lic No:	W005-03	Year:	2016				
20/03/2016, 30/09/2016, 31/12/2016	G14	Temp	Purged Sample	Quarterly	12.2	11.1	Program C	25	10V	No
		DO	Purged Sample	Quarterly	3.05	2.815	% Saturation	N/A	10V	No
		pH	Purged Sample	Quarterly	7.97	7.85	pH	<6.0-9.0	10V	No
		Conductivity	Purged Sample	Quarterly	382	355.5	uS/cm	1875	10V	No
		Ammonia	Purged Sample	Quarterly	1.58	1.36	mg/L	0.175	10V	No
		Chloride	Purged Sample	Quarterly	14	12.5	mg/L	187.5	10V	No
		Alkalinity	Purged Sample	Annually	189	189	mg/L	No Abnormal Change	10V	No
		Fluoride	Purged Sample	Annually	1.8	1.8	mg/L	1	10V	No
		Sulfate	Purged Sample	Annually	<5.0	<5.0	mg/L	250	10V	No
		TDS	Purged Sample	Annually	<25	<25	mg/L	No Abnormal Change	10V	No
		Ortho-P	Purged Sample	Annually	0.06	0.06	mg/L	0.03	10V	No
		TOC	Purged Sample	Annually	1.5	1.5	mg/L	No Abnormal Change	10V	No
		Iron	Purged Sample	Annually	<1.0	<1.0	mg/L	10	10V	No
		Aluminum	Purged Sample	Annually	<100	<100	ug/L	150	DWS	No
		Arsenic	Purged Sample	Annually	3.7	3.7	ug/L	2.5	10V	No
		Boron	Purged Sample	Annually	0.13	0.13	mg/L	0.75	10V	No
		Cadmium	Purged Sample	Annually	<0.0006	<0.0006	mg/L	0.0075	10V	No
		Copper	Purged Sample	Annually	18	18	mg/L	200	SELECT**	No
		Van	Purged Sample	Annually	3.36	3.36	mg/L	0.2	10V	No
		Lead	Purged Sample	Annually	<0.008	<0.008	mg/L	0.0188	10V	No
		Magnesium	Purged Sample	Annually	96	96	mg/L	50	SELECT**	No
		Manganese	Purged Sample	Annually	10	10	ug/L	30	DWS	No
		Nickel	Purged Sample	Annually	0.005	0.005	mg/L	0.015	10V	No
		Potassium	Purged Sample	Annually	1.53	1.53	mg/L	5	DWS	No
		Sodium	Purged Sample	Annually	26.4	26.4	ug/L	150	10V	No
		Mercury	Purged Sample	Annually	<1	<1	ug/L	0.8	10V	No
		Chromium	Purged Sample	Annually	<0.002	<0.002	mg/L	0.0175	10V	No
		Cobalt	Purged Sample	Annually	<0.008	<0.008	mg/L	1.5	10V	No
		Zinc	Purged Sample	Annually	10	10	ug/L	300	10V	No

-# where a range indicates arithmetic mean

-# maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substrate	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GVV*	SELECT**	Upward trend in yearly average concentration over last 5 years of monitoring
20/03/2016, 30/09/2016, 31/12/2016	G1	Temp	Purged Sample	Quarterly	12	10.7	Program C	25	10V	No
		DO	Purged Sample	Quarterly	3	2.775	% Saturation	N/A	10V	No
		pH	Purged Sample	Quarterly	7.41	7.32	pH	<6.0-9.0	10V	No
		Conductivity	Purged Sample	Quarterly	380	327.5	uS/cm	1875	10V	No
		Ammonia	Purged Sample	Quarterly	0.55	0.296	mg/L	0.175	10V	No
		Chloride	Purged Sample	Quarterly	83	81.9	mg/L	187.5	10V	No
		Alkalinity	Purged Sample	Annually	185	185	mg/L	No Abnormal Change	10V	No
		Fluoride	Purged Sample	Annually	1.11	1.11	mg/L	1	10V	No
		Sulfate	Purged Sample	Annually	26.2	26.2	mg/L	250	10V	No
		TDS	Purged Sample	Annually	13.9	13.9	mg/L	No Abnormal Change	10V	No
		Ortho-P	Purged Sample	Annually	<0.02	<0.02	mg/L	0.03	10V	No
		TOC	Purged Sample	Annually	3.7	3.7	mg/L	No Abnormal Change	10V	No
		Iron	Purged Sample	Annually	<1.0	<1.0	mg/L	10	10V	No
		Aluminum	Purged Sample	Annually	413	413	ug/L	150	DWS	No
		Arsenic	Purged Sample	Annually	<1.0	<1.0	ug/L	2.5	10V	No
		Boron	Purged Sample	Annually	<2.2	<2.2	mg/L	0.75	10V	No
		Cadmium	Purged Sample	Annually	<0.0006	<0.0006	mg/L	0.0075	10V	No
		Copper	Purged Sample	Annually	17.8	17.8	mg/L	200	SELECT**	No
		Van	Purged Sample	Annually	0.68	0.68	mg/L	0.2	10V	No
		Lead	Purged Sample	Annually	<0.0008	<0.0008	mg/L	0.0188	10V	No
		Magnesium	Purged Sample	Annually	84.1	84.1	mg/L	50	SELECT**	No
		Manganese	Purged Sample	Annually	62.6	62.6	ug/L	30	DWS	No
		Nickel	Purged Sample	Annually	0.003	0.003	mg/L	0.015	10V	No
		Potassium	Purged Sample	Annually	4.28	4.28	mg/L	5	DWS	No
		Sodium	Purged Sample	Annually	46	46	ug/L	150	10V	No
		Mercury	Purged Sample	Annually	<1	<1	ug/L	0.8	10V	No
		Chromium	Purged Sample	Annually	<0.002	<0.002	mg/L	0.0175	10V	No
		Cobalt	Purged Sample	Annually	<0.008	<0.008	mg/L	1.5	10V	No
		Zinc	Purged Sample	Annually	118	118	ug/L	300	10V	No
		20/03/2016, 30/09/2016, 31/12/2016	G12	Temp	Purged Sample	Quarterly	11.6	11.2	Program C	25
DO	Purged Sample			Quarterly	2.29	2.125	% Saturation	N/A	10V	No
pH	Purged Sample			Quarterly	7.29	7.29	pH	<6.0-9.0	10V	No
Conductivity	Purged Sample			Quarterly	360	336	uS/cm	1875	10V	No
Ammonia	Purged Sample			Quarterly	1.9	1.51	mg/L	0.175	10V	No
Chloride	Purged Sample			Quarterly	29.4	26.8	mg/L	187.5	10V	No
Alkalinity	Purged Sample			Annually	193	193	mg/L	No Abnormal Change	10V	No
Fluoride	Purged Sample			Annually	0.82	0.82	mg/L	1	10V	No
Sulfate	Purged Sample			Annually	<5.0	<5.0	mg/L	250	10V	No
TDS	Purged Sample			Annually	<25	<25	mg/L	No Abnormal Change	10V	No
Ortho-P	Purged Sample			Annually	0.02	0.02	mg/L	0.03	10V	No
TOC	Purged Sample			Annually	2.6	2.6	mg/L	No Abnormal Change	10V	No
VOC Suite	Purged Sample			Quarterly	<1.0	<1.0	mg/L	0.10	10V	No
Aluminum	Purged Sample			Annually	309	309	ug/L	150	DWS	No
Iron	Purged Sample			Annually	3.7	3.7	ug/L	10	10V	No
Boron	Purged Sample			Annually	<2.2	<2.2	mg/L	0.75	10V	No
Cadmium	Purged Sample			Annually	<0.0006	<0.0006	mg/L	0.0075	10V	No
Copper	Purged Sample			Annually	18.8	18.8	mg/L	200	SELECT**	No
Van	Purged Sample			Annually	1.02	1.02	mg/L	0.2	10V	No
Lead	Purged Sample			Annually	<0.008	<0.008	mg/L	0.0188	10V	No
Magnesium	Purged Sample			Annually	19.7	19.7	mg/L	50	SELECT**	No
Manganese	Purged Sample			Annually	424	424	ug/L	30	DWS	No
Nickel	Purged Sample			Annually	0.006	0.006	mg/L	0.015	10V	No
Potassium	Purged Sample			Annually	2.44	2.44	mg/L	5	DWS	No
Sodium	Purged Sample			Annually	18.6	18.6	ug/L	150	10V	No
Mercury	Purged Sample			Annually	<1.0	<1.0	ug/L	0.8	10V	No
Chromium	Purged Sample			Annually	<0.002	<0.002	mg/L	0.0175	10V	No
Cobalt	Purged Sample			Annually	0.012	0.012	mg/L	1.5	10V	No
Zinc	Purged Sample			Annually	22	22	ug/L	300	10V	No

Groundwater/Soil monitoring template Lic No: W005-03 Year: 2016

Table with columns for Date, ID, Parameter, Frequency, Value, Unit, Standard, and Status. It lists various chemical and physical parameters like Temp, pH, Conductivity, Chloride, etc., for monitoring points G13 and G2.

\*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 Guidelines Template Report at the link provided (and submit separately through AODE) as a return item or as otherwise instructed by the EPA.

More information on the use of soil and groundwater standards/generic assessment criteria (GAC) and risk assessment tools is available in the EPA [Guidance on the Management of Contaminated Land and Groundwater](#) at EPA Licensed Doc #PA\_2013.

\*\*Depending on location of the site and proximity to other sensitive receptor 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).

Groundwater, Drinking water, recreational, generic supply standards, Drinking water (public supply) standards, Interim Guideline Values (IGV), Surface water EQS

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:

W0026-03

Year

2016

[Click here to access EPA guidance on Environmental Liabilities and Financial provision](#)

		Commentary	
1	ELRA initial agreement status	Submitted and not agreed by EPA;	Completed and Submitted March 2011
2	ELRA review status	Review required and not completed;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€115,000	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	€200,000 up to 2016	
6	Financial Provision for ELRA - type	cash deposit	
7	Financial provision for ELRA expiry date	16/11/2046	
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	€4.3 million	To be revised in updated CRAMP
12	Financial Provision for Closure - type	cash deposit	
13	Financial provision for Closure expiry date	16/11/2046	



<b>Environmental Management Programme/Continuous Improvement Programme template</b>		Lic No:	W0026-03	Year	2016
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Highlighted cells contain dropdown menu click to view		Additional Information	
1	Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	Yes	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	

#### Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	Improve housekeeping at site	70%		Section Head	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Landfill Gas Utilisation	60		Section Head	Increased compliance with licence conditions
SELECT		SELECT		SELECT	SELECT

<b>Noise monitoring summary report</b>	Lic No: W0026-03	Year	2016
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- 1 Was noise monitoring a licence requirement for the AER period?  
If yes please fill in table N1 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?
- 3 Does your site have a noise reduction plan?
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

[Noise Guidance note NG4](#)

**Table N1: Noise monitoring summary**

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	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 <u>site</u> compliant with noise limits (day/evening/night)?
June 8, 2016	30 minutes	DN1	N/A	47	32.3	49	66.3	No	No	M7 and N80 traffic noise	Yes
	30 minutes	DN2	N/A	53.8	48.2	69.4	69.4	No	No	Civic Amenity site and related traffic	Yes
	30 minutes	DN3	N/A	48.5	44	50.7	61.7	No	No	N80 traffic is main source	Yes

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

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

** please explain the reason for not taking action/resolution of noise issues?
Any additional comments? (less than 200 words)

## Resource Usage/Energy efficiency summary

Lic No:

W0026-03

Year

2016

## Additional information

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- 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
- 2 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information
- 3

Enter date of audit	
No	
No	

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 (MWHrs)				
Electricity Consumption (MWHrs)	114.3	110.9	-3%	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	3.45	5.47	58.00%	
Light Fuel Oil (m3)				
Natural gas (m3)				
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

Water use	Water extracted		Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions Volume Discharged back to environment(m <sup>3</sup> /yr):	Water Consumption Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
	Previous year m3/yr.	Current year m3/yr.					
Groundwater	0	0					
Surface water	0	0					
Public supply	190	175	-8%				
Recycled water							
Total							

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

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

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

## Resource Usage/Energy efficiency summary

Lic No: W0026-03

Year

2016

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					



<b>WASTE SUMMARY</b>	Lic No: W0026-03	Year: 2016
<b>SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES</b>	PRTR facility name:	dropdown list click to see options

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

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

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

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

Additional Information	Public waste disposal area & CA Site
Yes	<input type="checkbox"/>
No	<input type="checkbox"/>

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

Licensed annual tonnage limit for your site (total tonnes/annum)	EWIC code	Source of waste accepted	Description of waste accepted <i>Please enter an accurate and detailed description - which applies to relevant EWIC code</i> <a href="#">European Waste Catalogue EWIC codes</a>	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
<b>CIVIC AMENITY SITE</b>											
	13 02 04	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 13)	Oils		10.82				R9-Recycling/reclamation or org	0	
	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	paper and cardboard packaging		158.94				R12-Exchange of waste for subm	0	
	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	plastic packaging		82.08				R5-Recycling/reclamation or oth	0	
	15 01 04	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Metallic Packaging		39.02				R12-Exchange of waste for subm	0	
	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	glass packaging		122.77				R9-Recycling/reclamation or org	0	

WASTE SUMMARY		Lic No: W0026-03		Year		2016	
16 01 03	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	end of life tyres		18.96		R12-Exchange of waste for subm	0
16 01 07	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	oil filters		1.28		R12-Exchange of waste for subm	0
19 07 03	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	landfill leachate other than those mentioned in 19 07 02		6055.84		R12-Exchange of waste for subm	0
20 01 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	paper and cardboard		161.18		D5- Specially engineered landfill	0
20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	biodegradable kitchen and canteen waste		35.18		R12-Exchange of waste for subm	0
20 01 11	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	textiles		32.24			
20 01 27	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	paints		13.98		R9-Recycling/reclamation or org	0
20 01 33	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	batteries		0.94		R13-Storage of waste pending ar	0
20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	plastics		128.32			
20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	metals		167.42		R5-Recycling/reclamation or oth	0
20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	biodegradable waste		50.09		R13-Storage of waste pending ar	0
20 03 03	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	street-cleaning residue		181.98		R13-Storage of waste pending ar	0
20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	bulky wastes		144.68		D8-Biological treatment not spec	0
20 01 36	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Discard electrical equipment		229.88			
17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C&D Waste		0.02			
20 01 21	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	Mixed Municipal Waste brought to CA site		2.82			
20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Liter Warden		1561.07			0

**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
- 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
- 6 Does your facility have relevant nuisance controls in place?
- 7 Do you have an odour management system in place for your facility? If no why?
- 8 Do you maintain a sludge register on site?

SELECT	
SELECT	
SELECT	
SELECT	
SELECT	

**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
Household	28,400	1,523		
Construction & Demolition	500	0		
Industrial Non-Hazardous	3,000	1,757		

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	Land disposal area occupied by waste	Usable area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Cell 8		Nov-12	No	Public	Non Hazardous		No	No	No				



**WASTE SUMMARY** Lic No: W0026-03 Year 2016

**Table 4 Environmental monitoring-landfill only** [Landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under SS(A)15 of WMA been submitted in reporting year	Comments
Yes	Yes	Yes	Yes	Yes	No	No	Yes	Topography is considered the same as 2013

=> 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, ±	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
All Areas Capped	SELECT UNIT	0 126740 m2	Entire landfill capped		Concrete	All areas Permanently capped

\*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
2435	164	470	206	613	None	Off Site Waste Water Treatment Plant	

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
750 m3/yr	No	No	No	Gas is flared off

[Guidance to completing the PRTR workbook](#)

# PRTR Returns Workbook

Version 1.1.19

<b>REFERENCE YEAR</b>	2016
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## 1. FACILITY IDENTIFICATION

Parent Company Name	Laois County Council
Facility Name	Kyletalesha Landfill
PRTR Identification Number	W0026
Licence Number	W0026-03

### Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Clonsoughy
Address 2	Kyleclonhobert
Address 3	
Address 4	
	Laois
Country	Ireland
Coordinates of Location	-6.36721 53.325
River Basin District	IESE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Ken Farrell
AER Returns Contact Email Address	kfarrell@laoisoco.ie
AER Returns Contact Position	Landfill Manager
AER Returns Contact Telephone Number	087 7999945
AER Returns Contact Mobile Phone Number	087 7999945
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	3
User Feedback/Comments	Leachate has increased because in 2015 as the site was using all storage facilities and maximising the 1m level in cells. In 2016 we emptied all our storage and reduced the 1m level in all cells.
Web Address	

## 2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(d)	Landfills
5(c)	Installations for the disposal of non-hazardous waste
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)?	
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This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR# : W0026 | Facility Name : Kylaatesha Landfill | Filename : W0026\_2016\_F01.xls | Return Year : 2016 |

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**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

RELEASERS TO AIR		METHOD			Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
01	Methane (CH4)	C	OTH	Gas Sim 2.5 Statistics & Site data	6588.447	708023.461	0.0	701435.014
03	Carbon dioxide (CO2)	C	OTH	Gas Sim 2.5 Statistics & Site data	16655.502	297799.809	0.0	281144.307

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

**SECTION B : REMAINING PRTR POLLUTANTS**

RELEASERS TO AIR		METHOD			Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
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
15	Chlorofluorocarbons (CFCs)	C	OTH	Gas Sim 2.5 PI Report	0.0	3.58	0.0	3.58
14	Hydrochlorofluorocarbons (HCFCs)	C	OTH	Gas Sim 2.5 PI Report	0.0	2.87	0.0	2.87

\* 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)**

RELEASERS TO AIR		METHOD			Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
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:		Kylaatesha Landfill			
Please enter summary data on the quantities of methane flared and / or utilised		Method Used			Facility Total Capacity m3 per hour
T (Total) kg/Year		M/C/E	Method Code	Designation or Description	
Total estimated methane generation (as per site model)	1037445.819	C	OTH	Gassim 2.5	N/A
Methane flared	329422.358	M	OTH	Site data	750.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	708023.461	C	OTH	Gas Sim 2.5 Statistics - Site	N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR#: W0026 | Facility Name : Kylaatesha Landfill | Filename : W0026\_2016\_F01.xls | Return Year : 2016 |

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**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

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

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

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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : W0026 | Facility Name : Kyletalesha Landfill | Filename : W0026\_2016\_F01.xls | Return \

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**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			
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					0.0	0.0	0.0	0.0

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					0.0	0.0	0.0	0.0

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : W0026 | Facility Name : Kyletalesha Landfill | Filename : W0026\_2016\_F01.xls | Return Year : 2016 |

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SECTION A : PRTR POLLUTANTS

POLLUTANT		RELEASERS TO LAND			Please enter all quantities in this section in KGs		
No. Annex II	Name	M/C/E	METHOD		QUANTITY		
			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)

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR#: W0026 | Facility Name : Kyletalesha Landfill | Filename : W0026\_2016\_F01.xls | Return Year : 2016 |

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Please enter all quantities on this sheet in Tonnes

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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	Haz Waste : Address of Next Destination Facility	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used		Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer		
Within the Country	13 02 04	Yes	10.82	mineral-based chlorinated engine, gear and lubricating oils	R9	M	Weighed	Offsite in Ireland	Enva Ireland Limited,W0184-02	Clonminam Industrial Estate ,Portlaoise ,County Laois ,Laois,Ireland	Enva Ltd,W0184-01,Clonminam Industrial Estate,Portlaoise,Laois,,Ireland	Enva Ltd,Clonminam Industrial Estate,Portlaoise,Laois,Ireland
Within the Country	15 01 01	No	158.94	paper and cardboard packaging	R12	M	Weighed	Offsite in Ireland	AES Ireland,W0104-02	Cappincur,,Tullamore,Co Offaly,Ireland		
Within the Country	15 01 02	No	82.08	plastic packaging	R12	M	Weighed	Offsite in Ireland	AES Ireland,W0104-02	Cappincur,,Tullamore,Co Offaly,Ireland		
Within the Country	15 01 04	No	39.02	metallic packaging	R12	M	Weighed	Offsite in Ireland	Hammond Lane Metal Co. (Pigeon House),WFP-DC-09-0013-01	Hammond Lane Metal Co. (Pigeon House),Ringsend , Dublin 4 ,,,Ireland		
Within the Country	15 01 07	No	122.77	glass packaging	R5	M	Weighed	Offsite in Ireland	Rehab Glassco Limited,W0279-02	Unit 4 Osberstown Industrial Park ,Caragh Road ,Naas Co Kildare,,Ireland		
Within the Country	16 01 03	No	18.96	end-of-life tyres	R3	M	Weighed	Offsite in Ireland	Crumb Rubber ,WFP-LH-10-0005-01	Dundalk Co.Louth,Ireland		
Within the Country	16 01 07	Yes	1.28	oil filters	R12	M	Weighed	Offsite in Ireland	Enva Ireland Limited,W0184-02	Clonminam Industrial Estate ,Portlaoise ,County Laois ,Laois,Ireland	RD Recycling,Ovam Approved, Centrum Zuid,3017,Houthalen,B3530, Belgium	Centrum Zuid,3017,Houthalen,B3530, Belgium
Within the Country	16 01 20	No	6.46	glass	R5	M	Weighed	Offsite in Ireland	Gannon Eco ,WFP-WM-2009-0007-01	Quarries,Ballinagore,Co Westmeath,,Ireland		
Within the Country	19 07 03	No	6055.84	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighed	Offsite in Ireland	Portlaoise Wastewater Treatment Plant,D0001-01	Ridge Road,,Portlaoise,Co Laois,Ireland		
Within the Country	20 01 01	No	161.18	paper and cardboard	R12	M	Weighed	Offsite in Ireland	AES Ireland,W0104-02	Cappincur,,Tullamore,Co Offaly,Ireland		
Within the Country	20 01 08	No	35.18	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Limited,W0195-02	Kilmainhamwood ,Kells Co Meath,Ireland		
Within the Country	20 01 11	No	32.24	textiles	R12	M	Weighed	Offsite in Ireland	Textile Recycling Limited,.	504 Grants Drive.Greenogue Business Park,Greenogue Industrial Estate,Dublin,Ireland		
Within the Country	20 01 27	Yes	13.98	paint, inks, adhesives and resins containing dangerous substances	R12	M	Weighed	Offsite in Ireland	Enva Ireland Limited,W0184-02	Clonminam Industrial Estate ,Portlaoise ,County Laois ,Laois,Ireland	Recyfuel S.A,Belgian Authorities Permitted,Zoning Industriel d'Ehein ,B-4480, ENGIS BELGIUM,B-4480,Belgium	Zoning Industriel d'Ehein ,B-4480, ENGIS BELGIUM,B-4480,Belgium
Within the Country	20 01 33	Yes	0.94	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these	R12	M	Weighed	Offsite in Ireland	KMK Metals Recycling Limited,W0113-04	Cappincur Industrial Estate ,Daingean Road Tullamore Co Offaly,,,,Ireland	KMK Metals,W0113-03,Cappincur Industrial Estate, Daingean Road,Tullamore,Offaly,Ireland	Cappincur Industrial Estate, Daingean Road,Tullamore,Offaly,Ireland
Within the Country	20 01 39	No	128.32	plastics	R12	M	Weighed	Offsite in Ireland	AES Ireland,W0104-02	Cappincur,,Tullamore,Co Offaly,Ireland		
Within the Country	20 01 40	No	167.42	metals	R12	M	Weighed	Offsite in Ireland	AES Ireland,W0104-02	Cappincur,,Tullamore,Co Offaly,Ireland		
Within the Country	20 02 01	No	50.09	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Bord Na Mona,W0198-01	Bord na Móna (Kilberry) , Kilberry , Athy Co Kildare ,?,Ireland		

Within the Country	20 03 03	No	181.98 street-cleaning residues	R12	M	Weighed	Offsite in Ireland	AES - Portlaoise ,W0194-02 Bord na Mona Public Limited Company/Drehid Waste Management Facility,W0201-	Advanced Environmental Solutions (Ireland) Ltd Kyltalesha & Kyleclonhobert ,Portlaoise County Laois,.,.,Ireland		
Within the Country	20 03 07	No	144.68 bulky waste	D5	M	Weighed	Offsite in Ireland	03	Killinagh Lower and Killinagh Upper ,Carbury , County Kildare,.,Ireland		
Within the Country	20 01 36	No	discarded electrical and electronic equipment other than those mentioned in 20 229.88 01 21, 20 01 23 and 20 01 35 mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	R12	M	Weighed	Offsite in Ireland	AES - Portlaoise ,W0194-02	Advanced Environmental Solutions (Ireland) Ltd Kyltalesha & Kyleclonhobert ,Portlaoise County Laois,.,.,Ireland		
Within the Country	17 01 07	No	0.02 01 06	R12	M	Weighed	Offsite in Ireland	AES Ireland,W0104-02	Cappincur,.,Tullamore,Co Offaly,Ireland		
Within the Country	20 01 21	Yes	fluorescent tubes and other mercury- containing waste 2.82 mixed municipal waste - including waste brought to the domestic tipping area by householders, illegal dumping in bins at the CA site and illegal dumping collected by	R12	M	Weighed	Offsite in Ireland	Enva Ireland Limited,W0184- 02	Clonminam Industrial Estate ,Portlaoise ,County Laois ,Laois,Ireland	Enva Ltd,W0184- 01,Clonminam Industrial Estate,Portlaoise,Laois,.,Irela nd	Enva Ltd,Clonminam Industrial Estate,Portlaoise,Laois,Irelan d
<b>Within the Country</b>	<b>20 03 01</b>	<b>No</b>	1561.07 litter wardens	R12	M	Weighed	Offsite in Ireland	AES - Portlaoise ,W0194-02	Advanced Environmental Solutions (Ireland) Ltd Kyltalesha & Kyleclonhobert ,Portlaoise County Laois,.,.,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](#)