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guidance document link	cells that contain underlined text c
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Please note an interpretation of results is still required. This should be e
appropriately to fit your interpretation, if additional space is required plea
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tain a dropdown menu click to select one option from the list

click to access relevant guidance documents for this section

ool have an associated footnote or instructions

ne top right corner contain a comment box with further instructions or clarification

ntered in the additional information/comments boxes within the templates. Please size these boxes
se include an appendix to the AER template and merge it as part of the AER PDF document. The excel
ately so that all text is readable before it is converted to PDF document.

Facility Information Summary	
AER Reporting Year	2017
Licence Register Number	W0074-03
Name of site	Donohill Landfill
Site Location	Donohill, Co. Tipperary
NACE Code	38.2.1
Class/Classes of Activity	Third Schedule & Class 3, 4, 9, 13 of the Fourth Schedule of the Was
National Grid Reference (6E, 6 N)	1895E, 1425N

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.

Closed landfill for non-hazardous waste.
Civic Amenity site.
Any exceedance of licence limits are detailed in this report.

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.

Louise Ryan	_____
Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date

AIR-summary template	Lic No:	W0074-03	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	Flare stack emission

Periodic/Non-Continuous Monitoring

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

Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
Flare	Nitrogen oxides (NOx/NO2)	annual	150mg/m3	No 30min mean can exceed the ELV	44.5	mg/Nm3	yes	EN 14792:2005	26.738	
Flare	Carbon monoxide (CO)	annual	50mg/m3	No 30min mean can exceed the ELV	6.82	mg/Nm3	yes	EN 15058:2004	4.098	
Flare	Total Organic Carbon (as C)	annual	10mg/m3	No 30min mean can exceed the ELV	6.06	mg/Nm3	yes	OTH	3.64	
Flare	volumetric flow	continuous	500m3/hr	No 30min mean can exceed the ELV	94.4	Nm3/hour	yes	OTH		Average flow

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

AIR-summary template	Lic No:	W0074-03	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	SELECT	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT	
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	SELECT	

Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision therof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
	SELECT			SELECT	SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					

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

Table A3: Abatement system bypass reporting table

Bypass protocol

Date*	Duration** (hours)	Location	Reason for bypass	Impact magnitude	Corrective action

* this should include all dates that an abatement system bypass occurred

** an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

AIR-summary template	Lic No:	W0074-03	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

No	

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

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

Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (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. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
							Total	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0074-03 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	There is licenced emissions for controlled discharge of storm water to surface water, SW5. However there was no discharge in 2017, so there is no monitoring information relevant.
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	No evidence of contamination noted.

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
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

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

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

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

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

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

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

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0074-03 Year 2017

Continuous monitoring

		Additional Information
5	Does your site carry out continuous emissions to water/sewer monitoring?	No

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**	SELECT	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	SELECT	
8	Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below**	SELECT	

Table W4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template

Lic No: W0074-03 Year 2017

Bund testing

dropdown menu click to see options

			Additional information
1	Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to **all bunds which failed** the integrity test-**all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)	Yes	Bund testing was due in 2017 but was not completed due to technical difficulties. It will be carried out in 2018.
2	Please provide integrity testing frequency period	3 years	
3	Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)	Yes	
4	How many bunds are on site?	2	lagoons
5	How many of these bunds have been tested within the required test schedule?	0	
6	How many mobile bunds are on site?	1	bunded pallet
7	Are the mobile bunds included in the bund test schedule?	Yes	completed 2017
8	How many of these mobile bunds have been tested within the required test schedule?	1	
9	How many sumps on site are included in the integrity test schedule?	0	
10	How many of these sumps are integrity tested within the test schedule? **Please list any sump integrity failures in table B1**	0	
11	Do all sumps and chambers have high level liquid alarms?	No	Leachate lagoon has a high level pump cut off system
12	If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	Yes	leachate lagoon system serviced annually or as required
13	Is the Fire Water Retention Pond included in your integrity test programme?	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)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

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

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

Pipeline/underground structure testing

1	Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test and all which have not been tested within the integrity test period as specified**	SELECT	
2	Please provide integrity testing frequency period	SELECT	

*please note integrity testing means water tightness testing of all underground 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:	W0074-03	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	no		
5	Is the contamination related to operations at the facility (either current and/or historic)	N/A		
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	N/A	An artesian gw head occurs locally, this helps to prevent leachate from contaminating gw	
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?	yes		
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		The results indicate that leachate contamination of groundwater is not taking place.
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*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
quarterly	GW12d	Ammonia	Lab method	quarterly	0.221	0.074	mg/l	0.3	trigger	no
quarterly	GW12d	Conductivity	Field Reading	quarterly	841	810	uS/cm	1000	trigger	no

.+ where average indicates arithmetic mean

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

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
quarterly	GW13	Ammonia	Lab method	quarterly	0.215	0.072	mg/l	0.3	trigger	no
quarterly	GW13	Conductivity	Field Reading	quarterly	598	586.5	uS/cm	1000	trigger	no

Groundwater/Soil monitoring template	Lic No:	W0074-03	Year	2017

*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)

Groundwater/Soil monitoring template	Lic No:	W0074-03	Year	2017

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:	W0074-03	Year	2017

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

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€2,926,560	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	Insurance cover in place.
5	Financial Provision for ELRA - amount of cover	€20million	
6	Financial Provision for ELRA - type	Other please specify	Pollution / Contamination Insurance Cover for pollution / contamination which arises from sudden, identifiable, unintended and unexpected occurrence up to €20million.
7	Financial provision for ELRA expiry date	N/A	
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and completed	
10	Financial Provision for Closure status	Submitted and agreed by EPA	A loan of €1,254,140 which will cover the Capital Works involved in the Restoration of the site - i.e. final capping work. The rest of the costs which amount to €10,686,891 spread over the years 2015 to 2047 will be funded through the annual landfill aftercare budget of Tipperary County Council.
11	Financial Provision for Closure - amount of cover	€11,941,031	

12	Financial Provision for Closure - type	Other please specify	An initial loan plus the provision of an annual budget.
13	Financial provision for Closure expiry date	N/A	

Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0074-03 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	Yes	Accredited to ISO4001
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	Review and upgrade leachate management & LFG systems	15	1. Trigger levels for LGE7, LE13 and LE14 to be set and proposed to the EPA 2. Install level sensors connected to the SCADA system for the three wells LE12, LE3 and LE5 and two KOPs K11 and K3. 3. Capping to commence	Louise Ryan Anne Peters Justine Haugh	Increased compliance with licence conditions
Additional improvements	Maintain accreditation for combined EHS system (OHSAS18001 & ISO14001)	50	Environment Section of Tipperary Co Co to maintain these standards for a combined EHS System. In 2018 review site procedures, aspects and risk assessments. Refresher training to be carried out with staff.	Dave Corbett Anne Peters Louise Ryan Justine Haugh	Improved Environmental Management Practices
Additional improvements	Improve site security	15	Upgrade boundary fence where required. Following this a hedge will be planted along the boundary fence where it is not already in place. CCTV and lighting at the site will be reviewed and upgraded	Louise Ryan Anne Peters Justine Haugh	Increased compliance with licence conditions

Environmental Management Programme/Continuous Improvement Programme template				Lic No:	W0074-03	Year	2017
Landfill Gas Balancing		50	Work towards TCC carrying out LFG balancing, and increased balancing frequency. IBS reports to be received in a timely manner and any comments followed up	Louise Ryan Justine Haugh Anne Peters	Increased compliance with licence conditions		
Civic Amenity Improvements	Improve layout, security and safety Create more space, which may allow the acceptance of additional waste streams Discourage scavening and improve environmental protection measures by storing materials indoors	25	Improve Civic Amenity and install shed. Implement pay by weight, and regularise the contract for the new GO.	Louise Ryan Justine Haugh Anne Peters	Increased compliance with licence conditions		
Leachate Loading	Improve environmental protection measures in the event of a spillage	15	Leachate loading area to be improved, area to be concreted	Louise Ryan Justine Haugh Anne Peters	Increased compliance with licence conditions		
Lagoons and leachate extraction	Ensure environmentaal protection by checking lagoon integrity	0	Leachate and surface water lagoons to be integrity tested. Leachate wells to be cleaned	Louise Ryan Justine Haugh Anne Peters	Increased compliance with licence conditions		

Noise monitoring summary report	Lic No:	W0074-03	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?	N/A
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)?
10/08/2017	30mins	NI	No	50.1	31.1		74.6	No	SELECT	Light breeze and bird song. Two passing trains.	Yes
13/07/2017	30mins	N2	No	57.1	28.3		85.7	No		A truck unloading a skip, people using skips / bottle banks and chatting, birdsong, traffic noise.	Yes
13/07/2017	30mins	N3	No	35.2	23.1		59.2	No		Trains passing, birdsong, tractor working in nearby field.	Yes
13/07/2017	30mins	N4	No	46	38		67.9	No		Traffic noise and birdsong.	Yes
13/07/2017	90mins	S1	Yes	52.4	32		73	No		Traffic noise, trains passomh, birdsong and a light breeze.	Yes
10/08/2017	90mins	S2	Yes	57.1	84.1		39.1	No		Trains passing, traffic, birdsong, a light breeze	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? SELECT

** 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:	W0074-03	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	26/06/2013	
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	N/A	

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)	56.634	51.573		
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	56.634	51.573		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
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

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	76	not available					
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

Table R3 Waste Stream Summary

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

Resource Usage/Energy efficiency summary Lic No: W0074-03 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
26/06/2013	Conduct full pumping / air compression energy assessment		energy audit			Louise Ryan		Open
26/06/2013	Specify premium efficiency IE3 motor for the flare unit in the case of future motor failure.		energy audit			Louise Ryan		Open
26/06/2013	Install energy efficient T5 fluorescent tubes in each office to redue lighting energy consumption by 39% and reduce costs.		energy audit			Louise Ryan		Open
26/06/2013	Install presence detectors in office areas		energy audit			Louise Ryan		Open
26/06/2013	When the need for replacement arises for outdoor lighting the most efficient option should be chosen		energy audit			Louise Ryan		Open
26/06/2013	Print and display Fact sheet on how to optimise storage heating in offices.		energy audit			Louise Ryan		Closed
			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: W0074-03 Year 2017

Complaints

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

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

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

*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
02/01/2017	Trigger level reached	LE2	1	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	Recurring	Repair pump	Pump regular maintenance	Complete	24/01/2017	Medium
16/01/2017	Trigger level reached	LGE8	1	No Uncontrolled release	Other (add details)	Power cut - await power restoration	Normal activities	EPA	Recurring	Power cut - await restoration of power	N/A	Complete	18/01/2017	Medium
23/01/2017	Trigger level reached	LGE8, LE6	1	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	Tanker leachate offsite for disposal	Maintain levels as low as possible at all times	Complete	10/07/2017	High
02/08/2016	Trigger level reached	GW11d	1	No Uncontrolled release	Other (add details)	Livestock	Normal activities	EPA	Recurring	N/A	N/A	Complete	10/02/2017	Medium
07/02/2017	Trigger level reached	GM11	1	No Uncontrolled release	Other (add details)	Natural conditions	Normal activities	EPA	Recurring	N/A	N/A	Complete	23/05/2017	Medium
10/05/2017	Trigger level reached	Fugitive emissions	1	Air	Operational controls	Gas field management	Normal activities	EPA	Recurring	Balance Gas Field	Final Cap to be Installed	Complete	10/07/2017	High

Complaints and Incidents summary template					Lic No:	W0074-03		Year	2017					
20/08/2017	Trigger level reached	LGE8, LE6	1	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	Tanker leachate offsite for disposal	Maintain levels as low as possible at all times	Complete	19/02/2017	High
16/10/2017	Other(please specify)	Fugitive emissions	1	Air	Not related to site activities	Power cut - await power restoration	Normal activities	EPA	Recurring	Power cut - await restoration of power	N/A	Complete	23/10/2017	Medium
13/12/2017	Trigger level reached	Fugitive emissions	1	Air	Operational controls	Gas field management	Normal activities	EPA	Recurring	Balance Gas Field	Final Cap to be Installed	Complete	18/01/2018	High
09/10/2017	Trigger level reached	Groundwater	1	No Uncontrolled release	Not related to site activities	Lab error	Normal activities	EPA	Recurring	N/A	N/A	Complete	19/02/2018	Medium
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Total number of incidents current year	10
Total number of incidents previous year	10
% reduction/ increase	0

WASTE SUMMARY	Lic No:	W0074-03	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)	No	CA Site Only. Waste was accepted at the site and stored but was then removed offsite for treatment / recovery / disposal elsewhere. Landfill at Donohill is closed.
	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	No	
3	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	No	

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

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code European Waste Catalogue EWC codes	Source of waste accepted	Description of waste accepted **Please enter an accurate and detailed description - which applies to 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?	Yes	
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
No	40,000	0	0	Landfill closed

Table 3 General information-Landfill only

WASTE SUMMARY Lic No: W0074-03 Year 2017

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Donohill Landfill	Jan-89	Apr-14	No	Public	Non Hazardous	Apr-14	No	No	No	54090	23910	356000	The lined & unlined areas share 5420m2. There is a "piggy back" liner on top of old waste, more recent waste was filled on top.

WASTE SUMMARY Lic No: W0074-03 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	Yes	Yes	Yes	No	

.+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

Table 5 Capping-Landfill only

Area uncapped* SELECT UNIT	Area with temporary cap SELECT UNIT	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
0	13957	33660	0	47617	drainage geocomposite, HDPE, soil	Final capping to take place in 2017

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

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
145596	0	0	Yes	

Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2017

1. FACILITY IDENTIFICATION

Parent Company Name	Tipperary County Council
Facility Name	Donohill Landfill
PRTR Identification Number	W0074
Licence Number	W0074-03

Classes of Activity

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

Address 1	Garryshane
Address 2	Donohill
Address 3	
Address 4	
	Tipperary
Country	Ireland
Coordinates of Location	-7.32522 53.0734
River Basin District	IEGBNISH
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Louise Ryan
AER Returns Contact Email Address	louisem.ryan@tipperarycoco.ie
AER Returns Contact Position	Landfill Manager
AER Returns Contact Telephone Number	.
AER Returns Contact Mobile Phone Number	087-6598692
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	.
Number of Installations	1
Number of Operating Hours in Year	1730
Number of Employees	2
User Feedback/Comments	
Web Address	www.tipperarycoco.ie

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?	no
Have you been granted an exemption ?	no
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE Guidance on waste imported/accepted onto site

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	

This question is only applicable if you are an IPPC or Quarry site

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used		Flare			
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
02	**Carbon monoxide (CO)**	M	EN 15058:2004	EN15058:2006 NCIR Landgem Model & Onsite	4.098	4.098	0.0	0.0
01	Methane (CH4)	C	OTH	Flare Records	0.0	396066.0	0.0	396066.0
08	Nitrogen oxides (NOx/NO2)	M	EN 14792:2005		26.738	26.738	0.0	0.0
11	Sulphur oxides (SOx/SO2)	M	OTH	TGN21	16.866	16.866	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: Donohill Landfill

Please enter summary data on the quantities of methane flared and / or utilised	**T (Total) kg/Year**	**M/C/E**	**Method Used**		**Facility Total Capacity m3 per hour**	
			Method Code	**Designation or Description**		
Total estimated methane generation (as per site model)	495346.0	C	OTH	Landgem	N/A	
Methane flared	99280.0	C	OTH	EPA LFG Survey	0.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	396066.0	C	OTH	Landgem and EPA LFG Surv	N/A	

4.2 RELEASES TO WATERS

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

4.4 RELEASES TO LAND

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

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					
To Other Countries	08 01 11	Yes	6.32	waste paint and varnish containing organic solvents or other dangerous substances	R3	M	Weighed	Abroad	Enva,W0184-01	Enva,Cloninam Ind Est,Portlaoise,Co Laoise,Ireland	Geocycle,38.152/BP,Geocycle,Feneffe,.,.,Belgium	Geocycle,Feneffe,.,.,Belgium
Within the Country	13 02 04	Yes	0.0	mineral-based chlorinated engine, gear and lubricating oils	R3	M	Weighed	Offsite in Ireland	Enva,W0184-01	Enva,Cloninam Ind Est,Portlaoise,Co Laoise,Ireland	.,.,.,.,.,.,Ireland	.,.,.,.,Ireland
Within the Country	15 01 04	No	2.12	metallic packaging	R4	M	Weighed	Offsite in Ireland	Rehab Recycling,08/04 (Reg no 635)	Rehab Recycling,Rehab Building,Kylemore Rd. Ballyfermot,Dublin 10,ireland		
Within the Country	15 01 07	No	10.06	glass packaging	R5	M	Weighed	Offsite in Ireland	Rehab Recycling,08/04 (Reg no 635)	Rehab Recycling,Rehab Building,Kylemore Rd. Ballyfermot,Dublin 10,ireland		
Within the Country	19 07 03	No	7796.33	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighed	Offsite in Ireland	Irish Water,D0146-01	Tipperary WWTP,Bansha Rd,Tipperary town,Co. Tipperary,Ireland		
Within the Country	19 07 03	No	5623.78	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighed	Offsite in Ireland	Irish Water,D0171-01	Cashel WWTP,Tipperary Rd,Cashel ,Co. Tipperary,Ireland		
Within the Country	19 07 03	No	2611.71	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighed	Offsite in Ireland	Irish Water,D0035-01	Clonmel WWTP,Waterford Rd,Clonmel ,Co. Tipperary,Ireland		
Within the Country	19 07 03	No	2472.6	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighed	Offsite in Ireland	Irish Water,D0013-01	Bunlicky WWTP,Limerick City and Environs,.,.,.Ireland		
Within the Country	20 01 01	No	29.1	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Greenstar,W0082-02	Greenstar,Ballykeefe Townland,Dock Road,Limerick,Ireland		
To Other Countries	20 01 11	No	2.18	textiles	R5	M	Weighed	Abroad	Cookstown textiles,Charity	Cookstown textiles,36 Maheralane Rd,Randalstown,Co Antrim BT41 2NT,United Kingdom		
Within the Country	20 01 36	No	58.24	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R5	M	Weighed	Offsite in Ireland	KMK,W0113-04	KMK,Cappincur Ind Est,Tullamore,Co Offaly,Ireland		
Within the Country	20 01 38	No	27.7	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	Wallers Lot,W0200-01	Cashel,Co. Tipperary,.,.,.Ireland		
Within the Country	**20 01 40**	**No**	0.0	metals	R4	M	Weighed	Offsite in Ireland	Molloy Metals,WP/08/14(b)	Molloy Metals,Tomgarrow,Ballycarney,Enniscothy Co Wexford,Ireland		
Within the Country	20 03 01	No	57.3	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Greenstar,W0082-02	Greenstar,Ballykeefe Townland,Dock Road,Limerick,Ireland		
Within the Country	20 03 01	No	260.82	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Wallers Lot,W0200-01	Cashel,Co. Tipperary,.,.,.Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	D5	M	Weighed	Onsite of generatic	Donohill Landfill,W0074-03	Donohill Landfill,Garyshane,Donohill ,Co Tipperary,Ireland		
Within the Country	20 01 40	No	21.8	metals	R4	M	Weighed	Offsite in Ireland	Greenstar,W0082-02	Greenstar,Ballykeefe Townland,Dock Road,Limerick,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