Facility Information Summary	
AER Reporting Year	2014
Licence Register Number	W0074-03
Name of site	Donohill Landfill
Site Location	Donohill, Co. Tipperary
NACE Code	E38.2.1
Class/Classes of Activity	Class 1, 4, 5, 7 of the Third Schedule & Class 3, 4, 9, 13 of the Fourth Schedule of the Waste Management Acts.
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.	Landfill disposal of non-hazardous waste and civic amenity site. Any exceedances 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	22-05-15
Signature	Date
Group/Facility manager (or nominated, suitably qualified and experienced deputy)	

AIR-summary template

Lic No: W0074-03 Year 2014

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 1	Nitrogen oxides (NOx/NO2)	annual	150mg/m3	No 30min mean can exceed the ELV	39.55	mg/Nm3	yes	EN 14792:2005	44.742	
Flare 1	Carbon monoxide (CO)	annual	50mg/m3	No 30min mean can exceed the ELV	1.26	mg/Nm3	yes	EN 15058:2004	1.425	
Flare 1	Total Organic Carbon (as C)	annual	10mg/m3	No 30min mean can exceed the ELV	4.44	mg/Nm3	yes	ALT	5.02	
Flare 1	volumetric flow	continuous	500m3/hr	No 30min mean can exceed the ELV	191	Nm3/hour	yes	ALT		

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

AIR-summary template	Lic No:	W0074-03	Year	2014

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 2014

Solvent use and management on site

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5

SELECT

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

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

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

Table A5: Solvent Mass Balance summary

	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. 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 2014

			Additional information
1	Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections	Yes	
2	Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections	Yes	

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW4	upstream	Chlorides (as Cl)		21/07/2014	30	N/A	28	mg/L	yes	Highest value. Further details available in quarterly reports.
SW1	upstream	Chlorides (as Cl)		21/07/2014	30	N/A	23	mg/L	yes	Highest value. Further details available in quarterly reports.
SW2	downstream	Chlorides (as Cl)		21/07/2014	30	N/A	23	mg/L	yes	Highest value. Further details available in quarterly reports.
SW3	downstream	Chlorides (as Cl)		21/07/2014	30	N/A	23	mg/L	yes	Highest value. Further details available in quarterly reports.
SW4	upstream		pH	04/03/2014	6 - 9	N/A	7.8	pH units	yes	Highest value. Further details available in quarterly reports.
SW1	upstream		pH	04/03/2014	6 - 9	N/A	7.7	pH units	yes	Highest value. Further details available in quarterly reports.
SW2	downstream		pH	04/03/2014	6 - 9	N/A	7.7	pH units	yes	Highest value. Further details available in quarterly reports.
SW3	downstream		pH	04/03/2014	6 - 9	N/A	7.9	pH units	yes	Highest value. Further details available in quarterly reports.
SW4	upstream		Conductivity	21/07/2014	900	N/A	775	µS/cm @20oC	yes	Highest value. Further details available in quarterly reports.
SW1	upstream		Conductivity	23/10/2014	900	N/A	730	µS/cm @20oC	yes	Highest value. Further details available in quarterly reports.
SW2	downstream		Conductivity	23/10/2014	900	N/A	730	µS/cm @20oC	yes	Highest value. Further details available in quarterly reports.

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0074-03 Year 2014

SW3	downstream		Conductivity	23/10/2014	900	N/A	724	µS/cm @20oC	yes	Highest value. Further details available in quarterly reports.

*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
SW4	17/06/2014	Silage effluent entering stream	offsite	Silage pit to be repaired	Stream recovered after a number of weeks.
			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			SELECT	Additional information
4	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	External /Internal Lab Quality checklist	Assessment of results checklist	SELECT	

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
SW5	Water	Ammonia (as N)	discrete	prior to discharge & quarterly	N/A	0.2mg/l	All values < ELV	16	mg/L	no (if no please enter details in comments box)	Spectrophotometry (Colorimetry)	Manufacturer method	Hach Nessler Method	0.37	Maximum value. No discharge takes place is licence conditions not met.
SW5	Water	pH	discrete	weekly	N/A	>5.5 & < 8.5	All values < ELV	8.94	pH units	no (if no please enter details in comments box)	pH meter (electrode)	Manufacturer method			Maximum value. No discharge takes place is licence conditions not met.
SW5	Water	Conductivity	discrete	weekly	N/A	900	All values < ELV	1063	µS/cm @20oC	no (if no please enter details in comments box)	Conductivity Meter (electrode)	Manufacturer method			Maximum value. No discharge takes place is licence conditions not met.

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 2014

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	2014	

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	
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	Two lagoons
5	How many of these bunds have been tested within the required test schedule?		Lagoons are tested every three years
6	How many mobile bunds are on site?	1	one bunded pallet
7	Are the mobile bunds included in the bund test schedule?	No	
8	How many of these mobile bunds have been tested within the required test schedule?	0	
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?	0	
	Please list any sump integrity failures in table B1		
11	Do all sumps and chambers have high level liquid alarms?	No	Leachate lagoon LC4 has a high level pump cut off
12	If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	Yes	Leachate Lagoon Level sensor and cut off serviced annually
13	Is the Fire Water Retention Pond included in your integrity test programme?	No	

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)
Leachate Lagoon	other (please specify)	HDPE overlaying Geosynthetic Clay Lagoon	Leachate		n/a	Other (please specify)	Mobile Electric Leak Location Survey	Oct-14	Yes	Pass		SELECT	Oct-17	
Surface Water Lagoon	other (please specify)	HDPE overlaying Geosynthetic Clay Lagoon	Surface water		n/a	Other (please specify)	Mobile Electric Leak Location Survey	Oct-14	Yes	Pass		SELECT	Oct-17	

* 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?	No	
16	Are channels/transfer systems to remote containment systems tested?	SELECT	
17	Are channels/transfer systems compliant in both integrity and available volume?	SELECT	

bunding and storage guidelines

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 withing the integrity test period as specified**	No	
2	Please provide integrity testing frequency period	SELECT	

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

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

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

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

Groundwater/Soil monitoring template	Lic No:	W0074-03	Year	2014

			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	artesian gw head, this prevents leachate contaminting 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
22/05/2014	GW12s	Ammonia	EPA Lab	Quarterly	0.18	0.06	mg/l	0.3	trigger	no
04/03/2014	GW12s	Conductivity	EPA Lab	Quarterly	765	760.5	µS/cm @20oC	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
	GW13	Ammonia	EPA Lab	Quarterly	0.26	0.14	mg/l	0.3	trigger	no

Groundwater/Soil monitoring template			Lic No:	W0074-03				Year	2014	
	GW13	Conductivity	EPA Lab	Quarterly	586	566	µS/cm @20oC	1000	trigger	no
	GW11d	Ammonia	EPA Lab	Quarterly	0.2	0.07	mg/l	0.3	trigger	no
	GW11d	Conductivity	EPA Lab	Quarterly	809	757	µS/cm @20oC	1000	trigger	no

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

Groundwater monitoring template

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

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

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

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

Groundwater/Soil monitoring template Lic No: W0074-03 Year 2014

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	2014

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	Costs to be financed by loans or directly from the Councils own funds.	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	Costs to be financed by loans or directly from the Councils own funds.	
6	Financial Provision for ELRA - type	Other please specify	Costs to be financed by loans or directly from the Councils own funds.
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	
11	Financial Provision for Closure - amount of cover	N/A	Costs to be financed by loans or directly from the Councils own funds.
12	Financial Provision for Closure - type	Other please specify	Costs to be financed by loans or directly from the Councils own funds.
13	Financial provision for Closure expiry date	N/A	

Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0074-03 Year 2014

	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 ISO14001
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	50	1. Well LGE7 to be re-drilled. Tender published. 2. Trigger levels for LGE7, LE13 and LE14 to be set and proposed to the EPA 3. Onsite leachate treatment to go ahead. Tender documents to be drafted. 4. Investigate options for installing level sensors connected to the SCADA system for the three wells LE12, LE3 and LE5 and two KOPs K11 and K3. 5. Tender documents published for the upgrade of LFG system to increase gas extraction and minimise condensate build up.	Louise Ryan Anne Peters	Increased compliance with licence conditions
Additional improvements	Obtain accreditation for combined EHS system (OHSAS18001 & ISO14001)	50	Environment Section of Tipperary Co Co intends to obtain these standards for a combined EHS System by Oct 2015	Seamus O Brien	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Obtain accreditation for Energy management ISO50001	25	Environment Section of Tipperary Co Co intends to obtain this standard in 2016.	Michael Woulfe	Improved Environmental Management Practices

Environmental Management Programme/Continuous Improvement Programme template			Lic No:	W0074-03	Year	2014
Additional improvements	Improve site security	ongoing	Tender to be published in 2015 for a covered area for WEEE and scrap metal and replacement of chainlink fence with palisade. Following this at a later date a hedge will be planted along the boundary fence where it is not already in place and the CCTV at the site will be reviewedl	Louise Ryan Anne Peters	Increased compliance with licence conditions	

Noise monitoring summary report

Lic No: W0074-03 Year 2014

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)?
01/04/2014	13:31	N1		51	31		85	No	SELECT	Gate opening & closing. People chatting. Plastic sheet flapping in wind. Other background noises.	Yes
01/04/2014	14:11	N2		53	38		74	Yes	Yes	Tonal noise was due to bird song. Other noise was due to people chatting, cars driving, digger operating, radio playing and use of bring banks at Civic Amenity.	Yes
01/04/2014	13:26	N3		43	37		62	No		Pump gurgling, birds singing, grass rustling, traffic movements.	Yes
01/04/2014	14:14	N4		61	38		79	No		Two trucks at leachate lagoon. Digger operating. Water lapping in to lagoon, birds, traffic movements.	No

01/04/2014	12:39		S1	58	38		77	No		Traffic on R497, landfill equipment, birds singing, rustling trees.	Yes
01/04/2014	14:56		S2	54	36		81	No		Traffic on R497, cows mooing, birds chirping, plane flying overhead, trees rustling.	Yes

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

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

nothing**

Landfill now closed.

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No: W0074-03 Year 2014

			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)	61.79	61.533	N/A	N/A
Total Energy Generated (MWHrs)	N/A	N/A	N/A	N/A
Total Renewable Energy Generated (MWHrs)	N/A	N/A	N/A	N/A
Electricity Consumption (MWHrs)	61.79	61.533	N/A	N/A
Fossil Fuels Consumption:	N/A	N/A	N/A	N/A
Heavy Fuel Oil (m3)	N/A	N/A	N/A	N/A
Light Fuel Oil (m3)	N/A	N/A	N/A	N/A
Natural gas (m3)	N/A	N/A	N/A	N/A
Coal/Solid fuel (metric tonnes)	N/A	N/A	N/A	N/A
Peat (metric tonnes)	N/A	N/A	N/A	N/A
Renewable Biomass	N/A	N/A	N/A	N/A
Renewable energy generated on site	N/A	N/A	N/A	N/A

* 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	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Surface water	N/A	N/A	N/A	N/A	1174.5	N/A	N/A
Public supply	45		N/A	N/A	N/A	N/A	N/A
Recycled water	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	45		N/A	N/A	N/A	N/A	N/A

* 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 2014

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

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 | LL No: W0074-03 | Year: 2014

Complaints

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

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
13/01/2014	Odour		Bad smell from landfill on 11-01-14. The smell was also noted on other occasions over the previous six weeks.	Cease stockpiling of stabilised biowaste. Connect two gas wells to the flaring system.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
01/02/2014	Odour		Smell from the landfill.	Flare speed and run time increased on 04-02-14.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
04/02/2014	Odour		Bad smell from landfill on 04-02-14.	Written confirmation of the date of closure of the landfill was sent to Mr. Pollard. Fugitive VOC survey to pin point any gas emissions carried out.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
04/02/2015	Odour		An odour can be found from the landfill intermittently since Christmas, it was especially noted on 04-02-14.	Fugitive VOC survey to pin point any gas emissions carried out.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
06/02/2014	Odour		An odour noted from the landfill. Ms. Heffernan was concerned about the possible health implications.	Outlined actions being taken by STCC to address the problem. Also discussed the components and their possible health effects with Ms. Heffernan	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
07/02/2014	Odour		An odour from the landfill noticeable that morning	Informed Mr. Crosse of the results of the Fugitive VOC Survey.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
17/02/2014	Odour		The odour had not been bad for the last week and that morning when I visited.	The flare was down over the weekend due to a power cut. Outlined the new well connections, the VOC Survey and the increased intermediate covering.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
17/02/2014	Odour		Mr. Riordan often drives his motorbike past the landfill and he has noticed an odour from the landfill between the railway crossing and the village cross over the last few weeks.	Went through the actions that we are taking with Mr. Riordan.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
05/03/2014	Odour		There was an odour from the landfill the previous evening at around 11:30pm.	Reiterated the actions being taken to date.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
05/03/2014	Odour		There was an odour from the landfill the previous evening and the evening before that at around 8:00pm or 9:00pm. Before that there had been a few days with no odour. The odour was noted to be worst on frosty evenings.	Increased blower speed at flare from 35% to 37% on 06-03-14. The flare is also now running 23hours per day.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
10/03/2014	Odour		There was an unpleasant odour from the landfill over the previous weekend.	The flare was down over the weekend due to a power cut.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
11/03/2014	Odour		There was an odour from the landfill over the weekend and that day. Ms. Breen also commented that the light at the front gate of the landfill was not working.	Outlined the action being taken to Ms. Breen. Contacted the electrician to repair the light at the front gate to the site.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
11/03/2014	Odour		A bad odour from the landfill. They requested a written response from a senior person in South Tipperary County Council committing to fixing the problem.	Informed the Director of Services of the request for a written commitment. Increased the flow rate of the flare again.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
31/03/2014	Odour		An odour from the landfill was noticeable the previous evening and that morning.	Outlined to Mr. Pollard how the Council was still working on the issue.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
31/03/2014	Odour		Odour is still an issue. Not as bad as previously, but still there	Outlined actions taken and proposed actions. Discussed operation of Flare & how gas is produced & extracted. Outlined that the EPA have been informed of the odour issue & a consultant engaged to advise on the issue. Offered to show them around the site, this was declined.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
15/04/2014	Waste		Mr. Crosse queried that material was still being brought to the landfill even though the Council had informed him that the site was closed	Explained to Mr. Crosse that the material coming to the site was cover material and not municipal waste.	Complete	15/04/2014	
26/06/2014		Pest control	Mrs. Crosse stated that the pest control carried out at approx 20 local house was not being done properly. Mrs. Crosse also requested that additional houses in Donohill village be included in the pest control programme.	The service of 26-06-14 was re-done on 08-07-04. All outdoor bait points were found to have been checked and serviced recently. Additional houses will not be included in the pest control programme.	Complete	08/07/2014	
13/11/2014	Odour		A gas odour had been noted at night when passing the landfill.	The Councils intention to appoint a consultant for the capping of the site was outlined to the complainant.	Complete	31/12/2014	The incidence of odour complaints has reduced since March 2014
	SELECT				SELECT		

Total complaints open at start of reporting year	0
Total new complaints received during reporting year	18
Total complaints closed during reporting year	18
Balance of complaints end of reporting year	0

Incidents

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

*For information on how to report and what constitutes an incident (What is an incident)

Table 2 Incidents summary

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurence
29/01/2014	Trigger level reached	Three emissions found during surface VOC monitoring on 13-12-13.	1. Minor	Air	Operational controls		Normal activities	EPA	Recurring	Commence extraction of gas from wells GE35 and GE36. Pack around the top of LE9 with bentonite to improve the surface seal.	The final capping and restoration of the site will also address this issue.	Ongoing		High
25/02/2014	Trigger level reached	Six emissions found during surface VOC monitoring on 10-02-14	1. Minor	Air	Operational controls		Normal activities	EPA	Recurring	Additional clay intermediate cover on waste and improving the seal at wells in conjunction with optimisation of the flare operation.	The final capping and restoration of the site will also address this issue.	Ongoing		High
05/09/2014	Trigger level reached	LF11	1. Minor	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	12/09/2014	High
29/09/2014	Trigger level reached	Surface gas emissions in exceedance of trigger levels were found at 10 locations in the uncapped part of the site during routine monitoring	1. Minor	Air	Operational controls		Normal activities	EPA	Recurring	This area will be capped. The consultants for this work to be appointed by 07-11-14.	The final capping and restoration of the site will also address this issue.	Ongoing		High

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01/11/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	04/11/2014	High
04/11/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/11/2014	High
05/11/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/11/2014	High
08/11/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	The lagoon had filled. Once leachate was removed from site and pumping resumed the levels dropped.	The final capping and restoration of the site will also address this issue.	Complete	18/11/2014	High
14/11/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	The lagoon had filled. Once leachate was removed from site and pumping resumed the levels dropped.	The final capping and restoration of the site will also address this issue.	Complete	18/11/2014	High
15/11/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	The lagoon had filled. Once leachate was removed from site and pumping resumed the levels dropped.	The final capping and restoration of the site will also address this issue.	Complete	24/11/2014	High
19/11/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	The lagoon had filled. Once leachate was removed from site and pumping resumed the levels dropped.	The final capping and restoration of the site will also address this issue.	Complete	20/11/2014	High
24/11/2014	Trigger level reached	LE6 & LGE8	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	The lagoon had filled. Once leachate was removed from site and pumping resumed the levels dropped.	The final capping and restoration of the site will also address this issue.	Complete	24/11/2014	High
01/12/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	03/12/2014	High
11/12/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	19/12/2014	High
11/12/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	19/12/2014	High
11/12/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	19/12/2014	High
11/12/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	19/12/2014	High
11/12/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	19/12/2014	High
11/12/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	19/12/2014	High
11/12/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	19/12/2014	High
11/12/2014	Trigger level reached	LE6	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	19/12/2014	High
23/11/2014	Trigger level reached	LGE8	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	24/11/2014	High
27/12/2014	Trigger level reached	LGE8	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	30/12/2014	High
27/12/2014	Trigger level reached	LGE8	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	The lagoon had filled. Once leachate was removed from site and pumping resumed the levels dropped.	The final capping and restoration of the site will also address this issue.	Complete	30/12/2014	High
27/12/2014	Trigger level reached	LGE8	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	The lagoon had filled. Once leachate was removed from site and pumping resumed the levels dropped.	The final capping and restoration of the site will also address this issue.	Complete	30/12/2014	High
27/12/2024	Trigger level reached	LGE8	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	The lagoon had filled. Once leachate was removed from site and pumping resumed the levels dropped.	The final capping and restoration of the site will also address this issue.	Complete	30/12/2014	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The lagoon had filled. Once leachate was removed from site and pumping resumed the levels dropped.	The final capping and restoration of the site will also address this issue.	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The lagoon had filled. Once leachate was removed from site and pumping resumed the levels dropped.	The final capping and restoration of the site will also address this issue.	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
23/12/2014	Trigger level reached	LE11	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	The pump had stopped. Once the pump was repaired the levels returned to normal.	Regular maintenance takes place	Complete	06/01/2015	High
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Total number of incidents current year	41
Total number of incidents previous year	5
% reduction/ increase	720%

WASTE SUMMARY	Lic No:	W0074-03	Year	2014
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES		PRTR facility logon	dropdown list click to see options	

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

			Additional Information
1	Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is to be captured through PRTR reporting) If yes please enter details in table 1 below	Yes	Civic Amenity & Landfill
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 -
40,000	*20 03 01*	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*Mixed Municipal Waste*	*1124.86*	*4643.67*	*-76%*	*landfill closed*	*50%*	*D5- Specially engineered landfill*	*1124.86*	*Packaging content is an estimate.*
40,000	*20 03 03*	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*Street Sweeping and illegal dumping*	*901.28*	*2084.1*	*-57%*	*landfill closed*	*50%*	*D5- Specially engineered landfill*	*901.28*	*Packaging content is an estimate.*
40,000	*10 01 01*	*10- WASTES FROM THERMAL PROCESSES*	*Ash*	*144.72*	*1304.88*	*-89%*	*landfill closed*	*0%*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnother biological transformation processes)which includes gasification and pyrolisis*	*114.72*	*Packaging content is an estimate.*
40,000	*20 02 02*	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*Soil / clay*	*370.82*	*102.38*	*361%*	*increased availablility*	*0%*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnother biological transformation processes)which includes gasification and pyrolisis*	*370.82*	*Packaging content is an estimate.*
40,000	*19 12 12*	*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*	*Oversize residues*	*384.16*	*1412.84*	*-73%*	*landfill closed*	*50%*	*D5- Specially engineered landfill*	*384.16*	*Packaging content is an estimate.*
40,000	*19 03 05*	*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*	*Stabilised biowaste*	*1055.02*	*1796.46*	*-41%*	*landfill closed*	*0%*	*R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnother biological transformation processes)which includes gasification and pyrolisis*	*1055.02*	*Packaging content is an estimate.*

WASTE SUMMARY						Lic No:	W0074-03	Year	2014		
40,000	*19 05 01*	*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*	*Compost erratics*	*62.1*	*0*	n/a	*increased availablility*	*0%*	*D5- Specially engineered landfill*	*62.1*	*Packaging content is an estimate.*
40,000	*19 12 12*	*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*	*C&D Fines*	*611.24*	*0*	n/a	*increased availablility*	*0%*	*R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials*	*611.24*	*Packaging content is an estimate.*

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	SELECT
5	Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site	SELECT
6	Does your facility have relevant nuisance controls in place?	SELECT
7	Do you have an odour management system in place for your facility? If no why?	SELECT
8	Do you maintain a sludge register on site?	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
Non-hazardous waste	40,000	2,410	0	Landfill closed in April 2014

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Donohill Landfill	Jan-89	Apr-14	No	Public	Non Hazardous	N/A	No	No	No	54090	23910	35600	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 2014

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	Section 53(A) Return is currently being compiled

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

Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					
13957	0	33660		33660	drainage geocomposite, HDPE, soil	13957m2 that is uncapped is covered by a 300mm clay intermediate cap.

*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
20547.5	1381.819	9980.948	3544.444	7700.176	N/A		

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
1116857	0	0	Yes	

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2014

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	062-76277
AER Returns Contact Mobile Phone Number	087-6598692
AER Returns Contact Fax Number	n/a
Production Volume	0.0
Production Volume Units	
Number of Installations	1
Number of Operating Hours in Year	745
Number of Employees	3
User Feedback/Comments	Release to air CO varience - level of CO measured was lower in 2014 compared to 2013. Release to air CH4 varience - the flare ran for longer duration in 2014 compared to 2013, also the model predicted a lower production of CH4. Release to Water variences forCl, COD and BOD are due to a three fold increase in volume of water discharged from the previous year.
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

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4.1 RELEASES TO AIR

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD				QUANTITY		
			Method Used		Flare 1			
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	NCIR By Horiba PG-250	1.425	1.425	0.0	0.0
01	Methane (CH4)	E	OTH	EPA Landfill Gas Survey & Landgem model	303630.91	303630.91	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	EN 14792:2005	Chemiluminescence	44.742	44.742	0.0	0.0
11	Sulphur oxides (SOx/SO2)	M	ALT	NDIR Absorption	224.198	224.198	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)	519548.435	C	OTHER	Landgem Model	N/A	
Methane flared	215917.524	C	OTHER	EPA Landfill Gas Survey	500.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	303630.91	C	OTHER	Landgem Model & EPA Land	N/A	

4.2 RELEASES TO WATERS

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of s

RELEASES TO WATERS			
POLLUTANT			
No. Annex II	Name	M/C/E	M Method Code
79	**Chlorides (as Cl)**	M	OTH

* 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			
POLLUTANT			
No. Annex II	Name	M/C/E	M Method Code

* 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			
POLLUTANT			
Pollutant No.	Name	M/C/E	M Method Code
238	Ammonia (as N)	M	OTH
303	BOD	M	OTH
306	COD	M	OTH

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

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

	Please enter all quantities in this section in KGs			
	QUANTITY			
Method Used	SW5			
Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
EPA Lab Method	11.745	11.745	0.0	0.0

	Please enter all quantities in this section in KGs			
	QUANTITY			
Method Used				
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

	Please enter all quantities in this section in KGs			
	QUANTITY			
Method Used	SW5			
Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
EPA Lab Method	0.365	0.365	0.0	0.0
EPA Lab Method	5.21	5.21	0.0	0.0
EPA Lab Method	41.89	41.89	0.0	0.0

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

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 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	0.74	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	1.3	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	1.42	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	7.78	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	7736.4	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	6663.7	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	6758.2	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	20 01 01	No	28.52	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	1.18	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	56.08	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 40	No	17.6	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	66.7	mixed municipal waste	D5	M	Weighed	Onsite of generati	Donohill Landfill,W0074-03	Donohill Landfill,Garyshane,Donohill ,Co Tipperary,Ireland		
Within the Country	20 03 01	No	41.56	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	111.52	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Wallers Lot,W0200-01	Cashel,Co. Tipperary,.,.,Ireland		
Within the Country	20 01 38	No	4.45	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	Wallers Lot,W0200-01	Cashel,Co. Tipperary,.,.,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