Facility Information Summary	
Licence Register Number	W0074-03
Name of site	Donohill Landfill
Site Location	Garyshane, Donohill, Co. Tipperary
NACE Code	E38.2.1
Class of Activity	Disposal of non-hazardous waste
RBME risk category	A3
National Grid Reference (6E, 6 N)	1895E 1425N
A brief description of the activities/process at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance improvements which were measured during the reporting year;	ng. Extensive investigation and omprovement of the existing gas collection infrastructure also took place to maxim

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	02/04/2012
Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date

AER summary template-AIR emissions

			Additional information
1	Does your site have licensed air emissions? If yes please complete table 1, 2 and 3 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table 5 and 6) you only need to complete table 1 fugitive emissions on site below	Yes	

Table 1 Fugitive emissions

Parameter /Substance	Annual fugitive emission (kg/annum)	Quantificaton method M/C/E
Methane (CH4)	637528.84	SELECT

Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of Table 2 below			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 2: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Date of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	% change in mass load from previous year +/-	Comments
Flare1	Nitrogen oxides (NOx/NO2)	16/11/2011	150mg/m3		55.65	mg/Nm3	yes	OTH	31.8445	37% less than 2010	
Flare1	Total Organic Carbon (as C)	16/11/2011	10mg/m3		5.77	mg/Nm3	yes	OTH	3.301757		
Flare1	Carbon monoxide (CO)	16/11/2011	50mg/m3	SELECT	2.12	mg/Nm3	yes	OTH	1.21312	27% less than 2010	

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

Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	No	
	If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)		
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below	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 4 below	SELECT	

Table 3: Summary of average emissions -continuous monitoring

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

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

Table 4: Abatement system bypass reporting table Bypass protocol

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

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

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

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out table 5

SELECT	

Table 5: Solvent Management Plan Summary Total VOC Emission limit value			Solvent regulations	Please refer to linked solvent regulations to complete table 5 and 6	
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance
					SELECT
					SELECT

Table 6: Solvent Mass Balance summary

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)

			Additional information
1	Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table 3 and 4 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you only need to complete table 1 and /table 2 below for ambient monitoring and visual inspections	Yes	
2	Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table 2 below summarising only any evidence of contamination noted during visual inspections	Yes	No contamination noted.

Table 1 Ambient monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW4	upstream		pH	03/02/2011	6 - 9	SELECT	8.17	pH units	yes	Highest value. Further details available in quarterly reports.
SW1	upstream		pH	29/06/2011	6 - 9		7.9	pH units	yes	Highest value. Further details available in quarterly reports.
SW2	downstream		pH	13/10/2011	6 - 9		7.99	pH units	yes	Highest value. Further details available in quarterly reports.
SW3	downstream		pH	29/06/2011	6 - 9		8.2	pH units	yes	Highest value. Further details available in quarterly reports.
SW4	upstream		Conductivity	25/08/2011	900		793	µS/cm @20oC	yes	Highest value. Further details available in quarterly reports.
SW1	upstream		Conductivity	13/10/2011	900		758	µS/cm @20oC	yes	Highest value. Further details available in quarterly reports.
SW2	downstream		Conductivity	13/10/2011	900		743	µS/cm @20oC	yes	Highest value. Further details available in quarterly reports.
SW3	downstream		Conductivity	03/06/2011	900		778	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 2 Visual inspections-Please only enter details where contamination was observed.

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

			SELECT		
			SELECT		

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

3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table 3 below			No	Additional information
4	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	External /Internal Lab Quality checklist	Assessment of results checklist	Yes	

Table 3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Date of Monitoring	Averaging period	ELV or trigger values in licence or any revision therof[Note 2]	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	% change in mass load from previous year +/-	Comments
SW5	Water	Ammonia (as NH3)	discrete	17/02/2011	SELECT	0.2	All values < ELV	0.0063	mg/L	yes	rophotometry (Colorim	Manufacturer method	Hach MH3 Nessler	0.0027	571% increase	The increase in annual mass load
SW5	Water	pH	discrete	02/11/2011		>5.5 <8.5		7.53	pH units	yes	r (please describe) pH r	Manufacturer method				Highest measured value only given
SW5	Water	Conductivity	discrete	03/11/2011		900		793	µS/cm @20oC	yes	ductivity Meter (Electr	Manufacturer method				Highest measured value only given as further detail has been included in quarterly reports.

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

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

Continuous monitoring

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

If yes please summarise your continuous monitoring data below in Table 4 and compare it to its relevant Emission Limit Value (ELV)

6	Did continuous monitoring equipment experience downtime? **If yes please record downtime in table 4 below**	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 5 below**	SELECT	

Table 4: Summary of average emissions -continuous monitoring

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

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

Table 5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

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

Bund testing — dropdown menu click to see options

			Additional information
1	Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table 1 below listing all bunds and containment structures on site	SELECT	
2	Please provide integrity testing frequency period	SELECT	
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)	SELECT	

Table 1: Summary details of bund integrity test

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
Surface Water Lagoon	other (please specify)	2mm thick HDPE overlaying Geos	Surface water	476m3	not a bunded structure	Other (please specify)	Electric leak location survey	Apr-11	Yes	Pass		SELECT	Apr-14	
Leachate Lagoon	other (please specify)	2mm thick HDPE overlaying Geos	Leachate	1360m3	not a bunded structure	Other (please specify)	Electric leak location survey	Apr-11	Yes	Pass		SELECT	Apr-14	

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

			Commentary
4	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?	bunding and storage guidelines	SELECT
5	Are channels/transfer systems to remote containment systems tested?		SELECT
6	Are channels/transfer systems compliant in both integrity and available volume?		SELECT
7	Do all sumps and chambers have high level liquid alarms?		SELECT
8	If yes to Q7 are these failsafe systems included in a maintenance and testing programme?		SELECT

Pipeline/underground structure testing

1	Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all underground structures and pipelines on site	SELECT	
2	Please provide integrity testing frequency period	SELECT	

Table 2: Summary details of underground structures/pipeline integrity test

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

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

		Yes	No	N/A						
	a)invest in capital improvem	b) operational improvements	c)nothing	1	2	3	4	5	7	8
reinforced concrete	general purpose concrete	prefabricated	other (please specify)							
Pass	Fail									
Storm	Foul	Process								
steel	ceramic	concrete	pvc	polypropylene	other(please specify)	Mix (please specify)				
Double walled piping	Pipe in channel	Other (please specify)								
CCTV	Hydraulic	Air	Combination							
Replaced section	Relined	Repaired crack	Removed obstruction	Other (please describe)						
3 years	Other (please specify)									
Hydraulic test	Structural assessment	Other (please specify)								

Tank and Pipeline assessment reporting-Intensive Agriculture sector only

			Additional information if required
1	Is it a requirement of your licence to carry out a tank and pipeline assessment for effluent storage on site?	SELECT	
2	is it a requirement of your licence to submit a programme for agreement to the Agency prior to carrying out a tank and pipeline assessment?	SELECT	
3	If yes has a programme been submitted to the Agency for agreement on the testing and inspection of under and over-ground effluent storage tanks and pipelines? Please enter date of submission in additional information	SELECT	
4	What method has been proposed for the testing of under and over ground effluent storage tanks and pipelines?	SELECT	
5	Has the testing and inspection of under and over ground effluent storage tanks and pipelines been completed during the current reporting year? If no please enter date last tank and pipeline assessment was completed in additional information.	SELECT	
6	If Visual inspection was the method used were any cracks or defects detected? If yes please detail in additional information	SELECT	
7	If yes to Q6 have the cracks or defects been repaired successfully? If no please explain in additional information	SELECT	
8	If hydrogeological or geophysics investigation methods were used was there any evidence of contamination detected? If yes please detail in additional information	SELECT	
9	If yes to Q8 please detail proposed or completed remediation work in additional information		
10	Are there any leak detection systems on site? Please see Department of Agricultures S126 and EPA guidance on Storage and Bunding of materials for required systems S126.pdf bunding and storage guidelines	SELECT	
11	From the visual inspections carried out has any discharge been visible in the leak detection inspection chamber? If yes please enter details in table 1	SELECT	
12	Was it a requirement of your licence to analyse samples for the current reporting year. If yes please enter details of any samples taken in table 2 below	SELECT	
13	When is the next tank and pipeline assessment due?		
14	Does the licensee consider they are compliant with licence conditions?	SELECT	
15	Include details of any other findings of report		

Table 1: Visual inspection of leak detection chamber

Date	Evidence of discharge	Samples taken (reference in table 2)

Table 2: Samples collected from leak detection chamber

Date	Sample frequency	Sample id	Colour/Odour	Parameter	ELV (If applicable)	Measured value
	SELECT					
	SELECT					

Table 3 Storage capacity for Organic Fertiliser

Total organic fertiliser storage capacity (m3)	Quantity of organic fertiliser generated by the animals housed on site in previous reporting year	Total quantity of organic fertiliser moved off site and recorded in the organic fertiliser register and "record 3" as submitted to DAFM* in previous reporting year	Quantity of organic fertiliser on site at the start of reporting year	Quantity of organic fertiliser at close of current reporting year	Have records of movement of organic fertiliser (record 3) for the previous calendar year been submitted to DAFM?
					SELECT

*DAFM -Department of Agriculture Food and Marine

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	
Total new complaints received during reporting year	
Total complaints closed during reporting year	
Balance of complaints end of reporting year	

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	Liklihood of reoccurence
04/01/2011	Trigger level reached	LE7 & LGE7	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	Leachate tankered offs	Leachate lagoo	Complete	04/01/2011	High
13/01/2011	Trigger level reached	LE7 & LGE7	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	Leachate tankered offs	Leachate lagoo	Complete	20/01/2011	High
19/01/2011	Flare would not start.	Flare	1. Minor	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	New	Fuse replaced.	Routine prever	Complete	19/01/2011	Medium
07/02/2011	Trigger level reached	LE7, LE9, LGE8 & LGE7	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	Leachate tankered offs	Leachate lagoo	Complete	23/02/2011	High
08/02/2011	Monitoring equipment offline	Weather station	1. Minor	No Uncontrolled release	Vandalism		Site Closed. Occurre	EPA	New	Weather station repair	Security measu	Complete	22/09/2011	Low
07/03/2011	Trigger level reached	LE7	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	Leachate tankered offs	Leachate lagoo	Complete	07/03/2011	High
18/04/2011	Trigger level reached	LE7	1. Minor	No Uncontrolled release	Lagoon filled for testing so pumps off, pump also tripped			EPA	Recurring	Lagoon emptied & pun	Routine prever	Complete	21/04/2011	High
25/05/2011	Trigger level reached	LGE8	1. Minor	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	Recurring	Pump repaired.	Routine prever	Complete	27/05/2011	High
02/07/2011	Trigger level reached	LGE7	1. Minor	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	Recurring	Pump repaired.	Routine prever	Complete	06/07/2011	High
08/07/2011	Flare would not start.	Flare	1. Minor	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	Recurring	Fuse replaced.	Routine prever	Complete	11/07/2011	Medium
28/07/2011	Trigger level reached	GM15	1. Minor	No Uncontrolled release	Natural ground conditions		Normal activities	EPA	Recurring	Low levels of CO2 may occur naturally		Complete	28/07/2011	Medium
08/08/2011	Trigger level reached	LE7	1. Minor	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	Recurring	Cable replaced and pu	Routine prever	Complete	23/08/2011	High
31/08/2011	Trigger level reached	GM13	1. Minor	No Uncontrolled release	Natural ground conditions		Normal activities	EPA	Recurring	Low levels of CO2 may occur naturally		Complete	13/09/2011	Medium
13/09/2011	Monitoring equipment offline	Flare	1.Minor	No Uncontrolled release	Flare PC not working, power supply bl		Normal activities	EPA	New	Power supply replaced.		Complete	23/11/2011	Medium
21/09/2011	Monitoring equipment offline	LE7 & LGE8	1. Minor	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	Recurring	Level sensors replaced.	Spares ordered	Complete	04/10/2011	Medium
20/11/2011	Trigger level reached	LGE8	1. Minor	No Uncontrolled release	Adverse weather		Normal activities	EPA	Recurring	Leachate tankered offs	Leachate lagoo	Complete	22/11/2011	High
02/12/2011	Monitoring equipment offline	Building gas monitor	1. Minor	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	New	New system will be ord	Routine prever	Ongoing		Low
03/12/2011	Trigger level reached	LGE8	1. Minor	No Uncontrolled release	Adverse weather & Plant or equipmen		Normal activities	EPA	Recurring	Electric pump replaced	Leachate lagoo	Complete	10/01/2012	High
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Total number of incidents current year	18
Total number of incidents previous year	17
% reduction/ increase	6% increase

Groundwater /Contaminated land summary report

			Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	
2	Are you required to carry out soil monitoring as part of your licence requirements?	no	
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no	
4	Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	yes	unlined part of landfill
5	Is the contamination related to operations at the facility (either current and/or historic)	yes	unlined part of landfill
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	yes	artesian head under site so groundwater flows
7	Please specify the proposed time frame for the remediation strategy	SELECT	The unlined part of the site is capped. This is complete.
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?	no	
11	Have potential receptors been identified on and off site?	no	
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**	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
25/01/2011	GW12d	Ammonia	EPA Lab	quarterly	0.23	0.066	mg/l	0.3		30%	no
25/10/2011	GW12d	Conductivity	EPA Lab	quarterly	816	758.5	uS/cm	1000		-50.00%	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**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
25/01/2011	GW13	Ammonia	EPA Lab	quarterly	0.43	0.11	mg/l	0.3		120%	no
25/01/2011	GW11s	Conductivity	EPA Lab	quarterly	738	635.6	uS/cm	1000		-3.40%	no

* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

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

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

Table 3: Soil results

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

mated leachate generation figures (approx 16000m3) and actual volume taken offsite (approx 20000m3) supports the theory that it is like

Environmental Liability Risk Assessment

			Commentary
1	Is it a requirement of your licence to complete an ELRA?	Yes	
2	Has an initial ELRA been submitted to and approved by the Agency?	Yes	
3	Please enter the date of submission of the initial ELRA	13/04/2011	
4	Date of most recent substantial ELRA update	13/04/2011	
5	What financial instrument/s do you have in place to cover unknown liabilities?	Other	Costs to be financed by loans or directly from the Councils own funds.
6	Has this financial instrument/s been verified by the Agency?	No	
7	What is the date of expiry of this financial instrument?		
8	Date of next required review of the ELRA?	13/04/2014	

9 Please list the top 10 risks assessed on your site in table 1 below

Table 1 ELRA summary information

Click here to access EPA guidance on ELRA	Operational Risk Assessment Category	SELECT							
				Mitigation measures to reduce risk			ELRA		
Risk ID	Potential hazards	Environmental effect	Previous risk score	Action	Date of implementation of mitigation measures	Comment	Revised Risk score for current reporting year	ELRA costing	Does the current financial provision (FP) cover the risk score?
e.g Chemical storage	Bund failure resulting in spillage of hazardous chemicals on site	Surface water /soil/groundwater contamination	6	Infrastructural improvements	31/05/2009	Relined all bunds >10years old on site	3	€10,000	Yes
Landfill	Leachate migration from unlined landfill to groundwater	Groundwater contamination	4	Nothing		Permanent cap on unlined Area 1 in p	4	€938	SELECT
Landfill	Deterioration of landfill lining system due to age	Release of gas to subsoils or atmosphere	8	Nothing		line with the Agency's manual on Landfill Design and v	8	€41,250	SELECT
Landfill	f cell lining syste, due to age, or settlement resulting in le	oundwater / Surface Water contaminati	6	Nothing		line with the Agency's manual on Landfill Design and v	6	€1,875	SELECT
Landfill	lagoon lining system due to age, resulting in discharge of	oundwater / Surface Water contaminati	4	Nothing		line with the Agency's manual on Landfill Design and v	4	€938	SELECT
Landfill	ing system resulting in uncontrolled release of landfill ga	ease of Greenhouse gases. Odour emissio	8	Nothing		orks were subject to a comprehensive CQA programn	SELECT	€41,250	SELECT
Landfill	as pipework or flare resulting in uncontrolled release of ga	ease of Greenhouse gases. Odour emissio	12	Nothing		routing maintenance programme. Post closure the ga	SELECT	€82,500	SELECT
Landfill	leachate pipework, and storage lagoon resulting in leach	ination of soil, groundwater and surface	6	Nothing		nspection of collection pipework and lagoons. ERP in p	SELECT	€9,000	SELECT
Landfill	cident resulting in uncontrolled release of oil to the grou	ination of soil, groundwater and surface	4	Nothing		hazardous liquids are provided with secondary contai	SELECT	€938	SELECT
Landfill	ning system die to a landfill fire, resulting in release of lea	ination of soil, groundwater and surface	5	Nothing		ting ignitin sources. The ERP ensures a rapid and appro	SELECT	€75,000	SELECT
Landfill	controlled landfill fire resulting in a release of noxous gas	gases. Odour emissions. Smoke and fum	4	Nothing		ng ignition sources. The ERP ensures a rapid and appro	SELECT	€13,750	SELECT
Landfill	esulting in contamination of surface water from the fire w	ination of soil, groundwater and surface	3	Nothing		which will ensure it is controlled as quickly as possible so as to limit the duratio		€1,500	
Landfill	m during installation of gas abstraction wells resulting No	Groundwater contamination	1	Nothing		erienced drillers and a margin of safety that prevents drilling within 2m of the		€63	
Landfill	g system when placing waste resulting in the uncontrolle	vards on site offices and off site buildings	6	Nothing		Provision of overlying drainage layer and the operational controls.		€4,500	
Landfill	ndfill lining system when placing waste resulting in uncor	Contamination of groundwater	2	Nothing		Provision of overlying drainage layer and the oper	SELECT	€63	SELECT
Total			SELECT	SELECT			SELECT		SELECT

Closure Restoration Aftercare Management Plan/ Restoration plan (CRAMP/RP)

1	Was a closure or restoration plan a requirement of the licence?	Yes	
2	Has a closure plan submission been approved by the Agency?	Yes	
3	What is the timescale for submission?		
4	What financial instrument do you have in place to cover known liabilities?	Other	loans or directly from the Council's funds.
5	What is the date of expiry of this financial instrument?		
6	What is the status of implementation of the plan?		

Table 2 CRAMP summary information (NON Landfill)

Date of submission of plan	Risk category	Closure plan in place	Clean closure	Restoration Aftercare Management Plan	Change in Risk category since previous year	Increase in risk category	Does the current financial provision cover the risk score?	Value of current financial provision for site
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	

Environmental Management Programme (EMP)/Continuous Improvement Programme

	Highlighted cells contain dropdown menu click to view		Additional Information
1	Do you maintain an Environmental Mangement System for the site. If yes, please detail in additional information	Yes	Accredited to both ISO14001 and EMAS
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	Accredited to both ISO14001 and EMAS
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	Accredited to both ISO14001 and EMAS
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	Accredited to both ISO14001 and EMAS

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	Review & upgrade leachate &	50	complete: 1. Cap wells in Area 4 √ 2. Facilitate access to pumps in Area 4 √ 3. Put "skirt" of LLDPE around leachate wells to reduce gas	Louise Ryan, Anne Peters	Increased compliance with licence conditions
Additional improvements	Review all aspects of H&S. O	80	1. Review the site specific risk assessment and hazard analysis and implement any findings. 2. Review site procedures annually. 2. Communicate the Policy, hazard analysis and SOPs to staff annually 3 Review and update site safety signage 4. Implement OSHAS 18000 5. Annual evacuation drill to be carried out	Louise Ryan, Anne Peters	Increased safety.
Energy Efficiency/Utility conservation	Maintain energy efficiency	100	Energy audit completed and re	Louise Ryan, Anne Peters	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	Improve site security	50	Installed new fence. Covering \	Louise Ryan, Anne Peters	Installation of infrastructure
Additional improvements	Make provision for donation	ongoing	For 2012 contribution to be €1	Louise Ryan, Anne Peters	Less complaints

Additional improvements	Staff Training	50	1. All site personnel should be appropriately qualified and experienced for the position they hold on site 2. Implement regular in-house training for on-site personnel 3. New Environment Section Training Schedule to be completed and required training organised.	Louise Ryan, Anne Peters	Improved Environmental Management Practices
Additional improvements	Increase use of Civic Amenity	50	Advertise the recycling facili	Louise Ryan, Anne Peters	Provide a better service to the public.
Additional improvements	Restore site and promote bio	50	Area 1 and 2 capped and planted with a wildflowers seed mix. This area is allowed to grow and is left relatively undisturbed. Only pathways are cut in the grass to allow safe pedestrian access around the site for monitoring and maintenance.	Louise Ryan, Anne Peters	Installation of infrastructure
Additional improvements	Provide defibrillator.	100	Defibrilator onsite. Refresher training to take place every 90 days. First aid training to be refreshed,	Louise Ryan, Anne Peters	Installation of infrastructure

Additional improvements	Operate with reduced numb	100	Weighbridge automated for trucks. Staff and drivers trained in the new system. A cabin was relocated to the CA and a hand held ticket printer purchased for issue of receipts to the public. The site also now closes for lunch from 12:20 to 13:00.	Louise Ryan, Anne Peters	Reduced cost
Additional improvements	Comply with BMW Targets	25	Investigate setting a site specific factor for street sweepings. Encourage 3bin and erratics as they have low BMW. Improve segregation of waste.	Louise Ryan, Anne Peters	Increased compliance with licence conditions
SELECT		SELECT		SELECT	SELECT

Noise Monitoring Report Summary

1	Was noise monitoring a licence requirement for the AER period? If yes please fill in table 1 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? Draft Noise Guidance	Yes
3	Does your site have a noise reduction plan	No
4	When was the noise reduction plan last updated?	
5	Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?	Yes

Table 1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA_{eq}	LA_{90}	LA_{10}	LA_{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
24/03/2011	11:01 - 11:21	N1		51.7	41.9	54.6		No	SELECT	Site machinery audible f	Yes
24/03/2011	10:37 - 10:57	N2		58.4	36.1	53.8		No		Site machinery audible f	No
24/03/2011	11:24 - 11:44	N3		52.9	40.5	55.5		No		Site machinery audible f	Yes
24/03/2011	10:11 - 10:31	N4		48.6	40.5	50.4		No		Trucks entering site & bi	Yes
24/03/2011	11:57 - 12:17		S1	59.7	31	59.7		No		Site activity not audible.	Yes
24/03/2011	12:22 - 14:42		S2	48.2	31.8	52.4		No		Site machinery audible f	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**

The noise source onsite is mobile plant and this can not be reduced. Capping was taking place at time of the noise survey so there was more plant and activity onsite than usual.
Any additional comments? (less than 200 words)

Resource usage/ Energy Efficiency

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	23/06/2006	
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	no	SEAI - Large Industry Energy Network (LIEN)
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	SELECT	not applicable

Table 1 Energy usage on site

Energy Use	Previous year kWh	Current year kWh	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total	54992	72176	131%	
Electricity	54992	72176	131%	Increase due to contractors onsite for capping works.
Fossil Fuels:				
Heavy Fuel Oil				
Light Fuel Oil				
Natural gas				
Coal/Solid fuel				
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 2 Water usage on site

Water use	Previous year m3/yr.	Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Groundwater	0	0		
Surface water	0	0		
Public supply				
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 3: Energy Audit finding recommendations

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
23/06/2006	Replace standard light b	Replace bulbs with en	energy audit	25% of lighting cost	as bulbs need to be re	L Ryan	Ongoing	Open
23/06/2006	Draught proof doors and	Draught proof doors a	energy audit	20% of heating cost	This has not been impl	L Ryan	N/a	Closed
23/06/2006	Change to night saver el	Change to night saver	energy audit	23% of energy bill	2007	L Ryan	2007	Closed
23/06/2006	Manage storage heaters	Notice with instructior	energy audit	10% of heating cost	2007	L Ryan	2007	Closed

SECTION A-PRTR WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

PRTR facility logon | dropdown list click to see options

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

			Additional Information
1	Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is to be captured through PRTR reporting) If yes please enter details in table 1 below	Yes	
2	Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	No	
3	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	No	

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

	Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code (European Waste Catalogue EWC codes)	Source of waste accepted	Description of waste accepted **Please enter an accurate and detailed description - which** 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 -
E.g.		*07 05 04**	*07- WASTES FROM ORGANIC CHEMICAL PROCESSES*	*other organic solvents, washing liquids and mother liquors*	*22*	*12*	83%		*0%*	*SELECT*		*Brought onto site from sister IPPC plant*
E.g.		*20 01 08*	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*biodegradable kitchen and canteen waste*	*10*	*20*	-50%		*0%*	*SELECT*		
	40000	*20 03 01*	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*Municipal wast*	*9954.77*	*7668.85*	30%	*New customers*	*50%*	*D5- Specially engineered landfill*	*9954.77*	*Packaging content is a guesstimate. We have not completed any surveys on this.*
	40000	*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*	*Compost erratics*	*397.2*	*952*		*Some supplier both ye*	*100%*	*D5- Specially engineered landfill*	*397.2*	*Material is made up of glass, metal and plastic from municipal waste which probably all come from packaging sources.*
	40000	*20 03 03*	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*Illegal dumping, street sweeping & street bins*	*1368.37*	*1583.98*		*The amount of illegal*	*50%*	*D5- Specially engineered landfill*	*1368.37*	*Packaging content is a guesstimate. We have not completed any surveys on this.*
	40000	*07 05 12*	*07- WASTES FROM ORGANIC CHEMICAL PROCESSES*	*Dried water treatment sludge from MSD*	*222.44*	*535.48*	-58%	*MSD chose to take a c*	*0%*	*D5- Specially engineered landfill*	*222.44*	*No Packaging*

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	Yes	
		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	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?	No	

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

	Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
e.g.	Household (residual)	30,000	22,000		
e.g.	Industrial non hazardous solids	500	60	120,000	
	Household (residual)	30,000	11,720		
	Treated industrial non-hazardous sludges	1,000	222	36,820	

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		Yes	Public	Non Hazardous	2013	No	No	No	54090m2	23910	35600	the lined and unlined areas share 5420m2 which is both lined and unliined. There is a "piggy back" liner on top of old waste and we are currently filling waste on top of this lined area.

Table 4 Environmental monitoring-landfill onl 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 53A statement not due until end of April 2012. All monitoring was completed as per licence requirements.

.+ 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					
19072	2430	32588		32588	drainage geocomposite, LLDPE, soil	

*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
20056.9	950.2	11094.81	5540.72	10233.2	No	WWTP in Tipperary, Cashel or Clonmel	

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
	No	No	Yes	

Environmental Protection Agency

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.13

REFERENCE YEAR	2011

1. FACILITY IDENTIFICATION

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

Waste or IPPC Classes of Activity

No.	class_name
3.5	Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.
3.1	Deposit on, in or under land (including landfill).
3.4	Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.
3.7	Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule.
4.13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
4.9	Use of any waste principally as a fuel or other means to generate energy.
Address 1	Garryshane
Address 2	Donohill
Address 3	Co. Tipperary
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@southtippcoco.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	062 76277
Production Volume	0.0
Production Volume Units	
Number of Installations	1
Number of Operating Hours in Year	2236
Number of Employees	4
User Feedback/Comments	
Web Address	www.southtippcoco.ie

2. PRTR CLASS ACTIVITIES

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

4.1 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				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
02	Carbon monoxide (CO)	M	OTH	Flue Gas Analyser	1.213	0.0	1.213	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	OTH	Flue Gas Analyser	31.85	0.0	31.85	0.0	0.0
01	**Methane (CH4)**	E	ESTIMATE	Landgem Model	0.0	0.0	637528.84	0.0	637528.84

* 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: Method Code	Method Used: Designation or Description	Facility Total Capacity m3 per hour	
Total estimated methane generation (as per site model)	784735.004	C	OTH	Landgem Model	N/A	
Methane flared	147207.16	C	OTH	Landgem Model	500.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0	C	OTH	Landgem Model	0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	637528.84	C	OTH	Landgem Model	N/A	

4.2 RELEASES TO WATERS

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

RELEASES TO WATERS					Please enter all quantities in this section in KGs				
POLLUTANT					QUANTITY				
			Method Used		SW5				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
79	Chlorides (as Cl)	M	OTH	EPA Lab Method	0.02269	0.0	0.02269	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		SW5			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
238	Ammonia (as N)	M	OTH	EPA Lab Method	0.98057	0.98057	0.0	0.0
303	BOD	M	OTH	EPA Lab Method	0.01056	0.01056	0.0	0.0
306	**COD**	M	OTH	EPA Lab Method	0.04879	0.04879	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					
Within the Country	19 07 03	No	20056.9	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighed	Offsite in Ireland	Aecom,D0146-01	Aecom,Tipperary WWTP,Tipperary Town,.,Ireland		
Within the Country	20 03 01	No	236.86	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**	10.48	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Wallers Lot,W0200-01	Wallers Lot,Cashel,Co Tipperary,.,Ireland		
Within the Country	20 03 01	No	18.88	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Greenstar,W0082-02	Greenstar,Ballykeefe Townland,Dock Road,Limerick,Ireland		
Within the Country	20 01 01	No	9.24	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Clonmel Waste ,WP/008-02	Clonmel Waste ,Lawlesstown,Clonmel ,Co Tipperary,Ireland		
Within the Country	20 01 01	No	21.02	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Greenstar,W0082-02	Greenstar,Ballykeefe Townland,Dock Road,Limerick,Ireland		
Within the Country	15 01 07	No	7.02	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	15 01 04	No	0.4	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 04	No	0.86	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	20 01 40	No	31.12	metals	R4	M	Weighed	Offsite in Ireland	Molloy Metals,WP/08/14(b)	Molloy Metals,Tomgarrow,Ballycarney,Enniscothy Co Wexford,Ireland		
To Other Countries	20 01 11	No	0.78	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 27	Yes	1.14	paint, inks, adhesives and resins containing dangerous substances	R5	M	Weighed	Offsite in Ireland	Enva,W0184-01	Enva,Cloninam Ind Est,Portlaoise,Co Laoise,Ireland	Geocycle,38.152/BP,Geocycle,Feneffe,.,.,Belgium	Geocycle,Feneffe,.,.,Belgium
Within the Country	20 01 36	No	59.832	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		

* 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