Facility Information Summary					
AER Reporting Year	2016				
Licence Register Number	w0067-002				
Name of site	Rathroeen	Landfill, kil	lala Rd, Ballina May	yo	
Site Location					
NACE Code					
Class/Classes of Activity					
National Grid Reference (6E, 6 N)					
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.					
		Complete	ed Landfilling to Cel	II 3B Rathroeen	Landfill in July 2016

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.

Michael Hegarty 25/03/2017

Signature Date

Group/Facility manager

(or nominated, suitably qualified and experienced deputy)

AIR-summa	ary template	a urbara valanna*			Lic No:	w0067-002		Year	2016	,
Answer all que	estions and complete all table	s wnere relevant					Additional informati	on	_	
Does worr	sita hawa licansad air omissis	une? If was place? ^^	mniata tahla A1 ~	nd A2 below for the current					l	
reporting year	ar and answer further quest	ions. If you do not h	save licenced emi:	ssions and do not complete a						
sc	olvent management plan (t	able A4 and A5) you	do not need to o	omplete the tables	No					
					No				J	
Perio	iodic/Non-Continuous N	Aonitorina								
Are there any	results in breach of licence re	quirements? If yes ple TableA1 below	ase provide brief d	etails in the comment section of	Completed Landfil					
		THE CAT DODG	Basic air		completed cardin					
Was all monit	toring carried out in accordance	e with EPA guidance	monitoring							
note AG	2 and using the basic air moni	toring checklist?	checklist	AGN2	SELECT				1	
Table A1: Li	icensed Mass Emission	s/Ambient data-	periodic monito	oring (non-continuous)						
										Comments -
l										reason for change in %
										mass load
			ELV in licence or							from previous
Emission	Parameter/ Substance	Frequency of Monitoring	any revision	Harris Camples of sphere	Measured value	Unit of	Compliant with		Annual mass	year if
reference no:	Parameter/ Substance	ormoning	therof	Licence Compliance criteria	weasured value	measurement	licence limit	Method of analysis	ruad (kg)	applicable
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Note 1: Volum	netric flow shall be included as	a reportable paramet	er		•				•	•
	Continuous I	Monitorina								
	e carry out continuous air emis				SELECT]	
If yes please r	review your continuous monit it to its	oring data and report relevant Emission Lir	the required fields	below in Table A2 and compare						
									1	
Did continuous	s monitoring equipment exper	ience downtime? If ye	es please record do	wntime in table A2 below	SELECT				-	
					SELECT					
Do you have a	proactive service agreement	Do you have a proactive service agreement for each piece of continuous monitoring equipment?								
Did your site experience any abatement system bypasses? If yes please detail them in table A3 below					SELECT					
Did yo	our site experience any abaten	nent system bypasses	? If yes please detai	I them in table A3 below	SELECT					
Did yo Table A2: S	our site experience any abaten Summary of average em	nent system bypasses isssions -continuo	? If yes please detai	I them in table A3 below						
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Bund/Pipeline ter	sting template				Lic No:	w0067-002		Year	2016					
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	ty testing frequency period			,		Yes 3 years		4						
		ground pipelines (including storm	water and foul). Tanks, sump	and containers? (container	s refers to "Chemstore"	5 Jours		1						
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How many bunds are o														
How many of these but How many mobile bun		n the required test schedule?		Completed Landfi	lling to Cell 3B Rathroeen	Landfill in July 2014		4						
	included in the bund test so	hedule?		Completed Landin	illing to cell 3B Kattilloeell	SELECT		-						
		ed within the required test sched	ule?											
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	ntegrity failures in table B1 nbers have high level liquid					SELECT		7						
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Is the Fire Water Reter	ntion Pond included in your	integrity test programme?				SELECT								
	ble D1. Common det-116	bund /containment structure int	omitu toot	7										
Iai	ble B1: Summary details or	bund /containment structure int	egrity test											
														Doculto of
									Integrity reports					Results of retest(if in
Bund/Containment									maintained on		Integrity test failure		Scheduled date	current
structure ID	Туре	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	site?	Results of test	explanation <50 words	Corrective action taken	for retest	reporting
Leachate Lagoon	reinforced concrete		Leachate			Hydraulic test		2009	Yes	Pass		SELECT		
Chemstore bund	prefabricated apply with 25% or 110% containment re	do as datalled in your license	Paint spills	<u> </u>		Hydraulic test	Commentary	2008	Yes	Pass		SELECT		
Has integrity testing be	een carried out in accordan	ce with licence requirements and	are all structures tested in				Commentary	1						
line with BS8007/EPA 0				bunding and storage guidel	nes	SELECT								
Are channels/transfer	systems to remote contain					SELECT SELECT								
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Are channels/transfer	systems compliant in both	integrity and available volume?						_						
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Pipeline/undergro	ound structure testing	integrity and available volume? grity testing* on underground s the failed the integrity test and al				SELECT]						
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 Are you required to carry out groundwater monitoring as part of your licence requirements?
 Are you required to carry out sell monitoring as part of your licence requirements? fease provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a proundwater/contaminated land monitoring results. 3 Do you extract groundwater for use on site? If yes please specify use in comment section 5
Is the contamination related to operations at the facility (either current and/or historic)

6 Have artises been taken to ordered communication is outs/ff use release currenaries. o make actions been latern to appreciate constraint atom sources by the precise of remediation strategies proposed/undertaken for the site.

7 Please specify the proposed time frame for the remediation strategy.

8 is there a licence condition to carry out/update ELRA for the site? Table 1: Upgradient Groundwater monitoring results A 28 28 A 05 - where average indicates arithmetic mean n maximum measured concentration from all monitoring results produced during the reporting year Table 2: Downgradient Groundwater monitoring results Maciliaring Maciliaring Maciliaring Maciliaring Maciliaring Maciliaring Concentration Occasional Unit Concentration Unit Concen Total Carbon Q 494 000 A 61 000 C 16 000 C 350 000 C 350 000 C 344 000 C 316 000 C 346 000 Total Objectic Carbon

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Carbon

Carbon

Carbon

Carbon

Carbon A 03 03 A 5 5 Zinc
List 1AZ Organics
Total Alkalinity
Sulphale
Orthphosphale
Residue on ecaposalion
Flaunde
Cyanide
Total Salids 473 0.00 mgl CaCCII mgl SO4 mgl PO4 nitrate as ned nitrate as ned nitrite as ned SVOC VOC Positicións (OCP) Groundwater monitoring template Croundwater Drinking-water
Surface regulations (private supply) Drinking-water (public Interim Gu Methodology Monitoring Maximum Average Concentration Concentration

			,

Environmental Liabilities template Lic No:	w0067-002	Year	2016
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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	SELECT		
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify		
4	Financial Provision for ELRA status	SELECT		
5	Financial Provision for ELRA - amount of cover	Specify		
6	Financial Provision for ELRA - type	nsurance with Environmental Impairmen	t Liability cover,	Completed Landfilling to Cell 3B Rathroeen Landfill in July 2016
7	Financial provision for ELRA expiry date	Enter expiry date		
8 9		losure plan submitted and agreed by EPA SELECT	A	
10	Closure plan review status Financial Provision for Closure status	SELECT		
11	Financial Provision for Closure - amount of cover	Specify		
12		nsurance with Environmental Impairmen	t Liability cover,	
13	Financial provision for Closure expiry date	Enter expiry date		

	Environmental Management Programme/Continuous Improvement Programme	template	Lic No:	w0067-002	Year	2016
	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				
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				
Reduction of emissions to Air	Reduce odours feom Cell 3A	100	Permanent Cap installed	Section Head	Reduced emissions				
Energy Efficiency/Utility conservation	Gas Utilisation	40	Grid connection approved	Section Head	SELECT				
SELECT		SELECT		SELECT	SELECT				

Noise monitoring summary report Lic No):	w0067-002	Year	2016
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? **note**	nce	Yes		
3 Does your site have a noise reduction plan		No		
4 When was the noise reduction plan last updated?		Enter date		
5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last survey?	noise	No		

Completed Landfilling to Cell 3B Rathroeen Landfill in July 2016

Table N1: Noi:	se monitoring s	ummary									
Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA_{eq}	LA ₉₀	LA ₁₀	LA _{max}	•	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
24/08/2016	13.25-13.55	N1		44	40	46		No	SELECT	Road traffic	SELECT
24/08/2016	12.45-13.15	N4		49	44	52		No		Road traffic	
24/08/2016	14.04-14.34	N6		53	45	56		No		Road traffic	
24/08/2016	14.42-15.12	N7		54	43	58		No		Road traffic	
24/08/2016	23.56-00.26	N1		44	40	53		No		Road traffic	
24/08/2016	23.20-23.50	N4		45	42	49		No		Road traffic	
24/08/2016	22.43-23.13	N6		46	44	52		No		Road traffic	
24/08/2016	22.00-22.30	N7		45	40	49		No		Road traffic	

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

SELECT

Resource Usage/Energy efficiency summary

1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below

Is the site a member of any accredited programmes for reducing energy usage/water conservation such Industry Energy as the SEAI programme linked to the right? If yes please list them in additional information Network (LIEN)

Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

		Additional information
	Enter date of audit	
•	No	
1	SELECT	

Table R1 Energy usag				
Energy Use	Previous year		compared to previous reporting	Completed Landfilling to Cell 3B Rathroeen Landfill in July 2016
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
	Total Renewable Energy Generated (MWHrs)			
Electricity Consumption (MWHrs)	131250	123142		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	7240	8320		
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

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

Table R2 Water usage				Water Emissions	Water Consumption		
	Water extracted				Volume Discharged	Volume used i.e not discharged to environment e.g. released as steam	
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m ³ yr):	m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	620	296					
Recycled water							
Total							

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

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

Table R3 Waste Stream	Ì				
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

Table R4: Energy Au						
Date of audit	Description of Measures proposed		Predicted energy savings %	Implementation date	Responsibility	Status and comments
		SELECT				
		SELECT				
		SELECT				

Table R5: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry)please complete the following information

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total	
Technology						
Primary Fuel						
Thermal Efficiency						
Unit Date of Commission						
Total Starts for year						
Total Running Time						
Total Electricity Generated (GWH)						
House Load (GWH)						
KWH per Litre of Process Water						
KWH per Litre of Total Water used on	Site					

Complaints and	l Incidents summary templa	te			Lic No:	w0067-002		Year	201	6		1
		Complaints										
					Additional inform	ation						
Have you receiv	ved any environmental complaints in summary details of complaints			Yes								
					Completed Landfi	lling to Cell 3B Rath	roeen Landfill in July	2016				
						3		,				
r			_									
Table 1	1 Complaints summary	1	D. C. L. III. C	1	1		1	1				
			Brief description of complaint (Free txt <20	Corrective action< 20			Further					
Date	Category	Other type (please specify)	words)	words	Resolution status	Decolution date	information					
01/04/2016		Other type (please specify)	Resident complaining of o		Ongoing	Resolution date	IIIIOIIIIatioii	1				
01/04/2010	SELECT		itesident complaining of c	origoring	SELECT							
	SELECT				SELECT							
	SELECT				SELECT			1				
	SELECT				SELECT]				
Total complaints												
open at start of												
reporting year												
Total new												
complaints												
received during												
reporting year Total complaints		4										
closed during												
reporting year												
Balance of												
complaints end of												
reporting year												
		Incidents				1						
		incidents			Additional inform	ation						
Have any incidents	occurred on site in the current repo	rting year? Please list all incid	lents for current reporting		/ todattorial miloriti	1						
, , , ,		ole 2 below		SELECT								
	-		1		•	•						
*For information	ion on how to report and what											
	nstitutes an incident	What is an incident										
			_									
Table 2 Incidents sur	mmary		1									
						Other	Activity in				Preventative	
			Incident category*please			cause(please	progress at	1		Corrective action<20	action <20	
Date of occurrence	Incident nature	Location of occurrence	refer to guidance	Receptor	Cause of incident	specify)	time of incident	Communication	Occurrence	words	words	
	CELECT	CELECT	CELECT	CELECT	CELECT		CELECT	CELECT	New		ļ	
	SELECT SELECT	SELECT SELECT	SELECT SELECT	SELECT SELECT	SELECT SELECT	-	SELECT SELECT	SELECT	SELECT SELECT			
	SELECT	SELECT	SELECT	SELECT	SELECT	-	SELECT	SELECT	SELECT		1	
	SELECT	SELECT	SELECT	SELECT	SELECT	 	SELECT	SELECT	SELECT		 	
Total number of	occes,	OLLE VI	OCCCO!	OLLES I	OLLEGI	1	SELECT	OLLEGI	OLLEG!	1	I.	
incidents current												
year												
		_										

Gas Captured&Treated by LFG System m3 13



| PRTR# : W0067 | Facility Name : Rathroeen Landfill | Filename : AER 2016.xls | Return Year : 2016 |

Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1.1.19

14

REFERENCE YEAR	2016

1. FACILITY IDENTIFICATION

Parent Company Name	Mayo County Council
Facility Name	Rathroeen Landfill
PRTR Identification Number V	W0067
Licence Number	W0067-02

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Rathroeen
Address 2	Ballina
Address 3	
Address 4	
	Mayo
Country	Ireland
Coordinates of Location	-6.11271 52.9597
River Basin District	IEWE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Michael Hegarty
AER Returns Contact Email Address	mhegarty@mayococo.ie
AER Returns Contact Position	Assistant Landfill Manager
AER Returns Contact Telephone Number	0872046722
AER Returns Contact Mobile Phone Number	0872046722
AER Returns Contact Fax Number	09624056
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	
User Feedback/Comments	In Releases to Air Tab, the figure for Methane is negative. This is due to
	the difference between the Gassim model being used (estimated) by
	Tobins Consulting Engineers in 2008, and the measured figures from the LFG model and flowrates at the site.
Web Address	and Er O moder and nownates at the Site.
TIED Address	·

2. PRTR CLASS ACTIVITIES

2. PRIR CLASS ACTIVITIES					
Activity Number		Activity Name			
	5(d)	Landfills			
		Installations for the disposal of non-hazardous waste			
		Landfills			
	50.1	General			

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	
Have you been granted an exemption ?	
If applicable which activity class applies (as per	
Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being	
used ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE

Guidance	on	wacto	im	201	odl.	 ntod	onto	cito

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

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

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SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

		RELEASES TO AIR				Please enter all quantities in this section in KGs							
		POLLUTANT		MET	HOD		QUANTITY						
				N	lethod 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				
Ì	03	Carbon dioxide (CO2)	E	OTH		2779566.0	2779566.0	0.0	0.0				
01 Methane (CH4)				OTH		-321099.0	Completed Landfilling to Co	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			IETHOD			QUANTITY		
				Method Used					
					E 1 1 E 1 1	T. (T.) 1/00/		5 /5 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
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	

^{*} 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 i	Please enter all quantities in this section in KGs				
	POLLUTANT			HOD			QUANTITY			
			M	lethod 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		

^{*} 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 het methane (CH4) emission to the environment under tricklash (KG/hr of Section & Sectors specific PRTs notlitants above. Please complete the table below:

	ures for total methane generated. Operators should only report their Net methane (CH4) emission sector specific PRTR pollutants above. Please complete the table below:					
Landfill:	Rathroeen Landfill				•	
Please enter summary data on the						
quantities of methane flared and / or utilised			Met	hod Used		
				Designation or	Facility Total Capacity m3	
	T (Total) kg/Year	M/C/E	Method Code	Description	per hour	
Total estimated methane generation (as per						
site model)	636398.9	С	Calculated	Gassim Lite	N/A	
Methane flared	957498.0	M	Measured	Landfill Gas Model	650.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section						
A above)	-321099.0	С	Calculated	Calculated	N/A	
			•	•		•'

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE | PRTR#: W0067 | Facility Name: Rathrosen Landill | Filename: AER 2016.x/s | Return Year: 2016 |

	J. ONSITE TREATM	ENT & OFFSITE TRANS		PRTR# : W0067 Facility Name : Rathroeen Landfill Fi Ill quantities on this sheet in Tonnes	Filename : AER 2016.xls Return Year : 2016							31/07/2017 15:32 5			
	Transfar Dactination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation		Method Used Method Used	Location of Treatment	Haz Weste: Name and Licence/Permit No of Next Destination Facility Mon Haz Weste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Desfination Facility Non Haz Waste : Address of Recover/Disposer	Name and License / Permit No. and Address of Final Racoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)		
ĺ	Within the Country		No	28.98			М	Weighed		Barna Waste ,W0106-02	Carrowbrown,headford Road,Galway,Galway,Ireland				
	Within the Country	15 01 02	No	1.3	plastic packaging (polystyrene)	R5	М	Weighed	Offsite in Ireland	Barna Waste ,W0106-02	Carrowbrown,headford Road,Galway,Galway,Ireland				
	Within the Country	15 01 04	No	6.92	metallic packaging	R4	М	Weighed	Offsite in Ireland	Barna Waste ,W0106-02	Carrowbrown,headford Road,Galway,Galway,Ireland				
	Within the Country	15 01 04	No	10.94	metallic packaging	R5	М	Weighed	Offsite in Ireland	Galway Metal ,WFP-11-g- 0005-01	Oranmore,Galway ,Galway,Galway,Ireland				
	Within the Country	15 01 05	No	3.3	composite packaging (tetra Paks)	R5	Comple	l Weighed	Offsite in Ireland	Barna Waste ,W0106-02	Carrowbrown,headford Road,Galway,Galway,Ireland				
	Within the Country	16 01 03	No	8.86	end-of-life tyres	R5	М	Weighed	Offsite in Ireland	Midland Scrap Metals,NWCPO-08-01118-02	Annagh,Birr,Offally,R42RT68, Ireland	Recyfuel,SA BE			
	To Other Countries	16 05 04	Yes	1.56	gases in pressure containers (including halons) containing dangerous substances	D10	М	Weighed	Abroad	Eco Safe Systems,W0054-02	Unit 1,Allied Ind Est,Kylemore Rd,Dublin 10,Ireland	459735458,Zoning Ind Est,D'Hein,Eingls,B4480,Belgi um	Zoning Ind Est,D'Hein,Eingis,B4480,Belgi um		
	Within the Country	17 02 01	No	89.2	wood	R3	М	Weighed	Offsite in Ireland	Rathroeen Landfill,W0067-2	Rathroeen Landfill,Killala Road,Ballina,Ballina,Ireland				
	Within the Country	17 08 02	No		gypsum-based construction materials other than those mentioned in 17 08 01	R5	М	Weighed	Offsite in Ireland	Barna Waste ,W0106-02	Carrowbrown,headford Road,Galway,Galway,Ireland				
	Within the Country	17 08 02	No	0.0	landfill leachate other than those	R5	М	Weighed		Barna Waste ,W0106-02 Mayo County Council,D0016-	Carrowbrown,headford Road,Galway,Galway,Ireland Beleek,Ballina,Mayo				
	Within the Country	19 07 03	No	36680.0	mentioned in 19 07 02	D9	М	Volume Calculation	Offsite in Ireland	01	,Mayo,Ireland				
	Within the Country	20 01 01	No	80.5			М	Weighed		McGraths Industrial Waste,NWCPO-09003002-03 Stanley Bourke Bourke	".", Westport, Mayo, ".", Irelan				
	Within the Country Within the Country		No	131.58 59.26			M	Weighed	Offsite in Ireland	Waste ,"." Rehab Recycling Ltd,Exempt	d				
			No		-			Weighed		Midland Scrap	Annagh,Birr,Offally,R42RT68,				
	Within the Country	20 01 02	No	13.22	glass (window Glass)	R5	M	Weighed	Offsite in Ireland	Metals,NWCPO-08-01118-02	Ireland Belgard Road,Tallaght,Tallaght,Dublin				
	Within the Country	20 01 10	No	18.99	clothes	R3	M	Weighed	Offsite in Ireland	Textile Recycling,WPR 14	Ireland	KMK Metals,W0113-			
	,	20 01 21	Yes	0.84			м	Weighed		KMK Metals,W0113-02	Crag Avenue,Clondalkin Industrial Estate,Dublin	O2,Cappinure Ind Est,Daingean Rd,Tullamore,Offaly,Ireland	Cappinure Ind Est, Daingean Rd, Tullamore, Offaly, Ireland		
	Within the Country	20 01 25	No	0.24	edible oil and fat	R9	М	Weighed	Offsite in Ireland	Greyhound Recycling, W0047	22,Dublin ,ireland Greenouge Ind	Enva,W0184-01,Clonminam Ind	Clonminam Ind		
	Within the Country	20 01 26	Yes		oil and fat other than those mentioned in 20 01 25	R9	М	Weighed	Offsite in Ireland	Rialta,W0192-02	Estate,Rathcoole,Dublin,Dubl in,Ireland Unit 1,Allied Ind	Est,Portlaoise,Laoise,Laoise,Ir eland Recyfuel,SA BE 459735458,Zoning Ind	Est,Portlaoise,Laoise,Laoise,Ir eland Zoning Ind		
	To Other Countries	20 01 27	Yes	15.24	paint, inks, adhesives and resins containing dangerous substances medicines other than those mentioned in 20	D10	М	Weighed	Abroad	Eco Safe Systems,W0054-02	Est,Kylemore Rd,Dublin 10,Ireland Unit 1,Allied Ind	Est,D'Hein,Eingls,B4480,Belgi um			
	Within the Country	20 01 32	No	0.0	01 31	D10	М	Weighed	Offsite in Ireland	Eco Safe Systems,W0054-02	Est,Kylemore Rd,Dublin 10,Ireland				
	Within the Country	20 01 33	Yes	3.6	batteries and accumulators included in 16	R4	М	Weighed	Offsite in Ireland	KMK Metals,W0113-02		KMK Metals,W0113- 02,Cappinure Ind Est,Daingean Rd,Tullamore,Offaly,Ireland Rialta ,W0192-02,Greenouge	Cappinure Ind Est, Daingean Rd, Tullamore, Offaly, Ireland		
	Within the Country	20 01 33	Yes		06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	R4	М	Weighed	Offsite in Ireland	Rialta,W0192-02	Greenouge Ind Estate,Rathcoole,Dublin,Dubl in,Ireland	Ind Es,Rathcoole,Dublin,Dublin,Ir eland	Greenouge Ind Es,Rathcoole,Dublin,Dublin,Ir eland		
	Within the Country	20 01 36	No		discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	м	Weighed	Offsite in Ireland	KMK Metals,W0113-02	Cappinure Ind Estate,Daingean Rd,Tullamore,Offaty,Ireland				
	Within the Country	20 01 36	No		discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	М	Weighed	Offsite in Ireland	KMK Metals,W0113-02	Cappinure Ind Estate,Daingean Rd,Tullamore,Offaly,Ireland				
	Within the Country	20 01 39	No	40.82	plastics (Hard plastics)	R5	M	Weighed	Offsite in Ireland	Barna Waste ,W0106-02	Carrowbrown,headford Road,Galway,Galway,Ireland				
	Within the Country	20 01 40	No	105.42	metals (scrap metals)	R4	М	Weighed	Offsite in Ireland	Galway Metal ,WFP-11-g- 0005-01	Oranmore,Galway ,Galway,Galway,Ireland				
	Within the Country	20 02 01	No	0.0	biodegradable waste (green waste)	R5	М	Weighed	Offsite in Ireland	Barna Waste ,W0106-02	Carrowbrown,headford Road,Galway,Galway,Ireland Rathroeen Landfill,Killala				
	Within the Country	20 03 01	No	0.0	mixed municipal waste	D1	М	Weighed	Offsite in Ireland	Rathroeen Landfill,W0067-2	Road,Ballina,Ballina,Ireland				
	Within the Country	20 03 03	No	0.0	m	D1	М	Weighed	Offsite in Ireland	Mayo County Councils Area Offices,EXM	Arás An Chontae,The Mall,Castlebar,Mayo,Ireland				

* Select a row by double-clicking the Description of Waste then click the delete button

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A survey of landfill sites to determine the quantity of methane flared and or recovered in utilisation plants for 2016

Please choose from the drop down menu the license number for your site
Please choose from the drop down menu the name of the landfill site

Please enter the number of flares operational at your site in 2016

Please enter the number of engines operational at your site in 2016

Total methane flared

Okg/year

Total methane utilised in engines

Okg/year

Please note that the closing date for reciept of completed surveys is 31/03/2017

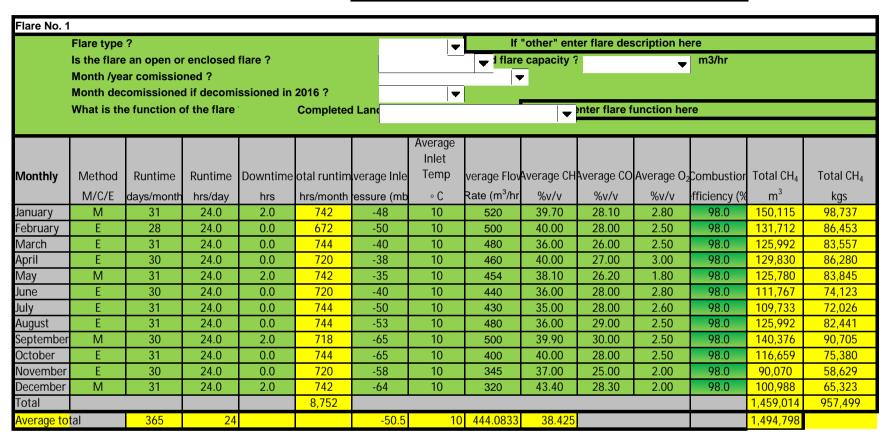
Introduction

The Office of Environmental Sustainability (OES) of the Environmental Protection Agency acts as the inventory agency in Ireland with responsibility for compiling and reporting national greenhouse gas

It is on this basis that the Environmental Protection Agency is asking landfill operators to partake in this survey so that the most uptodate information on methane flaring and recovery in utilisation

The Environmental Protection Agency wishes to thank you for partaking in this survey. If you have any questions about the survey and how to complete it please view the "Help sheet" worksheet. If LFGProject@epa.ie

Once completed please send the completed file as an attachment clearly stating the name and or license number of the landfill site (e.g. W000 Xanadu landfill_2015) to: LFGProject@epa.ie to be filled in by licens<mark>ee calculated by spreadsheet</mark>



Please note: Only fill the "Yearly" table if data is not availabe or cannot be calculated nor estimated on a monthly basis

							Average							
							Inlet							
Yearly	Method	Runtime	Runtime	Downtime	otal runtim	verage Inle	Temp	verage Flov	Average CH	Average CO	Average O ₂	Combustior	Total CH ₄	Total CH ₄
	M/C/E	days/year	hrs/day	hrs	hrs/year	essure (mb	° C	Rate m ³ /hr	%v/v	%v/v	%v/v	fficiency (%	m^3	kgs
2016					0		10					98.0	0	0