## **Facility Information Summary**

**AER Reporting Year** Licence Register Number Name of site 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.

2013 W0017-04 Gortadroma Landfill Gortadroma, Ballyhahill, Co. Limerick. 3821 Class 1,5,6,7,11,13 of Third Schedule and Class 2,3,4,9,10,11,12,13 of fourth schedule

-6.45823, 53.8084

A total of 106,334 tonnes of mixed municipal waste was accepted into the site for disposal in 2013 which reflects an 18% reduction in waste intake from the previous year. The civic amenity site accepted in 73 tonnes of waste for recovery which is a decrease of 18% on the previous year. The landfill site accepted in 19,758 tonnes of waste that was recovered onsite as landfill cover and road making which is an increase of 62% on the previous years figures. An area of 12,290 sq.m. received final capping at the landfill site in 2013. All licence compliance monitoring carried out in 2013 was in compliance with the licence limits with the exception of one weekly treated leachate discharge result for total P.

## **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.

Date

John O'Carroll 26/3/2014

Signature Group/Facility manager

(or nominated, suitably qualified and experienced deputy)

	AIR-summary template	Lic No:	W0017-04	Year	2013
	Answer all questions and complete all tables where relevant				
				Additional information	•
	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current				
1	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				
	a solvent management plan (table A4 and A5) you <u>do not need to complete the tables</u>	Yes			
		165	l		
	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			
	<u>Basic air</u>				
3	Was all monitoring carried out in accordance with EPA guidance monitoring				
	note AG2 and using the basic air monitoring checklist? <u>checklist</u> <u>AGN2</u>	Yes			

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

Emission reference no:		Frequency of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value		Compliant with licence limit	Method of analysis	Annual mass	Comments - reason for change in % mass load from previous year if applicable
					756.5					
Utilisation Plant	Carbon monoxide (CO)	Biannual	1400	100 % of values < ELV			yes	ОТН	5401.92	NA
Utilisation Plant	Nitrogen oxides (NOx/NO2)	Biannual	500	100 % of values < ELV	230.5		yes	ОТН	2343.48	NA
Utilisation Plant	volumetric flow	Biannual	3000	SELECT	1190		yes	ОТН		
Gas Flare	Carbon monoxide (CO)	Biannual	50	100 % of values < ELV	46.2		yes	ОТН	Backup only	
Gas Flare	Nitrogen oxides (NOx/NO2)	Biannual	150	100 % of values < ELV	26	mg/Nm3	yes	ОТН	Backup only	
Gas Flare	volumetric flow	Biannual	3000		1693		yes	ОТН		

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

	AIR-summary template	Lic No:	W0017-04	Year	2013
	Continuous Monitoring				
4	Does your site carry out continuous air emissions monitoring?	Yes			
	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	Yes			
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	Yes			
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below  Table A2: Summary of average emissions - continuous monitoring	No			

Emission	Parameter/ Substance		Averaging Period	Compliance Criteria	Units of	Annual Emission	Annual maximum	Monitoring	Number of ELV	Comments
reference no:					measurement			Equipment	exceedences in	
								downtime (hours)	current	
		ELV in licence or							reporting year	
		any revision therof								
		1400	15 mins			756.5	1289	336	0	NA
Utilisation Plant	Carbon monoxide (CO)			Daily average < ELV	mg/Nm3					
	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
				_	

<sup>\*</sup> this should include all dates that an abatement system bypass occurred

<sup>\*\*</sup> 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:	W0017-04		Year	2013	
Solvent	use and manageme	ent on site								
55.75	ase and manageme						1	•		
Do you have a tota	al Emission Limit Value of	direct and fugitive en	nissions on site? if y		SELECT					
Table A4: Solv	ent Management Pl	lan Summary	Solvent	Please refer to linked solver	nt regulations to	1	SELECT			
	ission limit value	an Juninary	regulations	complete table 5						
Total VOC EIII	ission milit value									
Reporting year	Total solvent input on	Total VOC emissions	Total VOC		Compliance	1				
	site (kg)		emissions as %of							
			solvent input	Total Emission Limit Value						
		fugitive)		(ELV) in licence or any revision therof						
				theror						
					SELECT					
					SELECT	J				
Table A5:	Solvent Mass Balan	ce summary							-	
					Outputs (kg)					
	(I) Inputs (kg)									
Solvent		Organic solvent	Solvents lost in	Collected waste solvent (kg)	Fugitive Organic	Solvent released	Solvents destroyed	Total amission -f	4	
Solvent	(I) Inputs (kg)		water (kg)	collected waste solvent (kg)	Solvent (kg)	in other ways e.g.		Solvent to air (kg)		
			(8)		(1.6/		- Joseph	(18)	1	
									4	
									1	

AER Monite	oring returns su	mmary template-W	/ATER/WASTEWA	ATER(SEWER)	L	ic No:	W0017-04		Year	2013
							Additional information		1	
please cor further ques	mplete table W2 a stions. If you do no	missions direct to surfa nd W3 below for the cu t have licenced emissior storm water analysis a	rrent reporting year ns you <u>only</u> need to o	and answer complete table						
2 discharges of summari	or watercourses on	cence to carry out visua or near your site? If ye ence of contamination r	s please complete ta	able W2 below						
Location reference	Location relative to site	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision	Licence Compliance	Measured value	Unit of measurement	Compliant with	Comments

	Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Compliance	Measured value	Unit of measurement	Compliant with licence	Comments
ſ		SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
		SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

<sup>\*</sup>trigger values may be agreed by the Agency outside of licence conditions

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

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

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

3 Was there any	result in breach of licence requirements? If y	es please provide bri	ef details in the				
comment section of Table W3 below				SELECT	Additional informat	tion	
Was all moni	toring carried out in accordance with EPA						
guidance and c	hecklists for Quality of Aqueous Monitoring	External /Internal					
Data Reported	to the EPA? If no please detail what areas	Lab Quality	Assessment of				
4 require imp	provement in additional information box	checklist	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		ELV or trigger values in licence or any revision therof <sup>Note 2</sup>	Licence Compliance criteria		Unit of measurement	Compliant with licence	Method of analysis	reference source	Procedural reference standard number	Annual mass load (kg)	Comments
SW4	Water	Conductivity	discrete	weekly	Weekly	1000	All results < 1.2 x ELV	488	μS/cm @20oC	yes	STRUMENTAL METHO	Manufacturer method		NA	
SW4	Water	Ammonia (as N)	discrete	weekly	Weekly	0.78	All results < 1.2 x ELV	0.35	mg/L	yes	colourimetry	UKAS		219	
SW4	Water	Suspended Solids	discrete	weekly	Weekly	35	All results < 1.2 x ELV	7.4	mg/L	yes	Gravimetric analysis		2540D	4,716	
SW4	Water	pH	discrete	weekly	Weekly	6 to 9	All results < 1.2 x ELV	6.4	pH units	yes	pH Meter (Electrode)	method		NA	
SW4	Water	Chlorides (as CI)	discrete	weekly	Weekly	250	NA	32.6	mg/L	NA	Titration	Standard methods	4500D	20,676	
Treated leahate	Water	рН	composite	weekly	Weekly	6 to 9	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	7.4	pH units	yes	pH Meter (Electrode)	Manufacturer method		NA	
Treated leahate	Water	BOD	composite	weekly	Weekly	25	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	5.8	mg/L	yes	ed Oxygen Meter (Ele	UKAS		135	
Treated leahate	Water	Suspended Solids	composite	weekly	Weekly	35	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	18.3	mg/L	yes	Gravimetric analysis	Standard methods	2540D	422	
Treated leahate	Water	Total phosphorus	composite	weekly	Weekly	2	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	1.14	mg/L	yes	vely Coupled Plasma -	UKAS		26	1 result was over the lim in 2013
Treated leahate	Water	Ammonia (as N)	composite	weekly	Weekly	3	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0.44	mg/L	yes	colourimetry	UKAS		10	
		cluded as a reportable na													

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:	W0017-04	Year	2013
Continuous monitoring			Additional Information	_	
5 Does your site carry out continuous emissions to water/sewer monitoring?	Yes				
If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)					
Did continuous monitoring equipment experience downtime? If yes please record downtime in					
table W4 below	No				
Do you have a proactive service contract for each piece of continuous monitoring equipment on					
site?	Yes				
Did abatement system bypass occur during the reporting year? If yes please complete table W5					
<sup>8</sup> below	No				
Table W4: Summary of average emissions -continuous monitoring		-			

Emission reference no:	Emission released to		ELV or trigger values in licence or any revision thereof					Monitoring	Number of ELV exceedences in reporting year	Comments
SW4	Water	рН	6 to 9	30 minutes	No flow value shall exceed the specific limit.			0	0	Annual average = 6.4
SW4	Water	Conductivity	1000	30 minutes	No flow value shall exceed the specific limit.	μS/cm @20oC		0	0	Annual average = 491

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

Table W5: Abatement system bypass reporting table

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

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

Bund/Pipeline t	esting template				Lic No:	W0017-04		Year	201	3				
Bund testing		dropdown menu cli	ick to see options				Additional information							
Are you required by	our licence to undertake i	integrity testing on bunds and con	tainment structures ? if ves o	please fill out table B1 below	/ listing allnew bunds and	1								
		Ill bunds which failed the integrity					No new bunds and no test failures in							
the table below, plea	se include all bunds outsi	ide the licenced testing period(mo	bile bunds and chemstore in	cluded)		Yes	2013							
2 Please provide integr	ity testing frequency perio	od				3 years	2013							
		lerground pipelines (including stor	mwater and foul), Tanks, sun	nps and containers? (contain	ners refers to	7								
3 "Chemstore" type ur	its and mobile bunds)					Yes								
4 How many bunds are						1	There are 2 leachate holding lagoons,	4 lagoons in treatme	ent plant, 1 storm v	water settling tank	and 1 fuel bund			
		thin the required test schedule?				All 8								
6 How many mobile bu	inds are on site? s included in the bund test					0 SELECT								
		screaule? ested within the required test sche	dula?			NA SELECT								
	site are included in the int		uuie:			INA.	0							
	umps are integrity tested						0							
	integrity failures in table							_						
11 Do all sumps and cha	mbers have high level liqu	id alarms?				Yes								
		d in a maintenance and testing pro	ogramme?			Yes								
13 Is the Fire Water Ret	ention Pond included in yo	our integrity test programme?				Yes								
	his Day Communication	of bund /containment structure int		1										
10	ible B1: Summary details o	or bunu /containment structure int	tegrity test									1		
												4		Results of
									Integrity reports					retest(if in
Bund/Containment	T	Specify Other type	D	A	Connection	T	011	T	maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date	current
structure ID	Type SELECT	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test SELECT	Other test type	Test date	SELECT	SELECT SELECT	explanation <50 words	SELECT	for retest	reporting year)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	omply with 25% or 110% containmen						Commentary							II.
		ance with licence requirements an	nd are all structures tested in											
15 line with BS8007/EPA				bunding and storage guide	elines	Yes								
	r systems to remote conta	inment systems tested? ith integrity and available volume?				No SELECT	Not tested							
17 Are channels/transit	er systems compilant in bo	tti iitegrity and available volumer				SELECT	Not tested	J						
Pipeline/underg	round structure testing													
		integrity testing* on underground												
		hich failed the integrity test and	all which have not been teste	ed withing the integrity tes	t period as specified	No								
	ity testing frequency perio	od ntness testing for process and foul	-111			SELECT								
-piease note integrit	y testing means water tign	itness testing for process and four	pipelines (as required under	your licence)										
Tab	le B2: Summary details of	pipeline/underground structures i	ntegrity test	1										
		, , , , , , , , , , , , , , , , , , , ,	1									ī		
												<u> </u>		
				Type of secondary								<u> </u>		
				containment								<u> </u>		
								Integrity test				<u> </u>		
Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?		Type integrity testing	Integrity reports maintained on site?	Results of test	failure explanation <50 words	taken	Scheduled date for retest	Results of retest(if in current reporting year)	<u> </u>		
Structure ID	SELECT	SELECT	SELECT SELECT	SELECT	SELECT	SELECT	SELECT SELECT	C30 Words	taken	ioi retest	SELECT	<del>1</del>		
	SEEECT	SEECI	SEEECI	JEECT	JEECT	JEECT	SEECI				JEECT	Ħ		
												i i		
												Ī		
-		*			•		*	•				•		
							_							
		Di												
	L	Please use comm	nentary for additional details	not answered by tables/ qu	estions abové		_							

Groundwater/Soil monitoring template	Lic No:	W0017-04	Year	2013	
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		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
2 Are you required to carry out soil monitoring as part of your licence requirements?	no		interpretation box below or if you require additional space please include
Do you extract groundwater for use on site? If yes please specify use in comment		Collins well used for	a groundwater/contaminated land monitoring results interpretaion as an
3 section	yes	onsite utilities	additional section in this AER
Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there 4 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 monitoring licensee return AND answer questions 5-12 below.  template	no		There are no upward trends seen in any of the groundwater monitoring.
5 Is the contamination related to operations at the facility (either current and/or historic)	SELECT		results. There are a number of isolated outliers where a stand-alone result is higher than normal such as the ammonia result seen in the
6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	SELECT		upgradient well in Q1 2013. All other ammonia results seen here are at expected levels. In general, there is no observable difference in water
7 Please specify the proposed time frame for the remediation strategy	SELECT		quality between the upgradient GW well and the true downgradient GW
8 Is there a licence condition to carry out/update ELRA for the site?	SELECT		wells shown below. The average results show good consistency across
9 Has any type of risk assesment been carried out for the site?	SELECT		the site and the monitoring results have been generally consistent over
10 Has a Conceptual Site Model been developed for the site?	SELECT		the previous five years. The monitoring data shows that the site is not
11 Have potential receptors been identified on and off site?	SELECT		negatively impacting on the groundwater quality in the immediate
12 Is there evidence that contamination is migrating offsite?	SELECT		vicinity.

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	
16/01, 09/04, 31/07, 23/10	Collins Well	conductivity	meter	quarterly	790	730	μS/cm @20oC	800	SW EQS	No	
16/01, 09/04, 31/07, 23/10	Collins Well	ammonia	colorimetry	quarterly	1.65	0.63	mg/l	0.065	SW EQS	No	
16/01, 09/04, 31/07, 23/10	Collins Well	chloride	titration	quarterly	41	28	mg/l	187.5	SW EQS	No	
16/01, 09/04, 31/07, 23/10	Collins Well	sulphate	turbidimetry	quarterly	12.2	10.8	mg/l	187.5	SW EQS	No	
31/7,	Collins Well	nitrate	colorimetry	annually	< 0.4	< 0.4	mg/l	37.5	SW EQS	No	
31/7,	Collins Well	Total P	ICP	annually	<0.12	< 0.12	mg/l	NA	SW EQS	No	
							SELECT			SELECT	

<sup>.+</sup> where average indicates arithmetic mean

**Table 2: Downgradient Groundwater monitoring results** 

<sup>.++</sup> maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Groundwate	er/Soil moni	toring temp	olate		Lic No:	: W0017-04			2013	1
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
16/01, 09/04, 31/07, 23/10	GW4O	conductivity	meter	quarterly	961	704	μS/cm @20oC	800	SW EQS	no
16/01, 09/04, 31/07, 23/10	GW4O	ammonia	colorimetry	quarterly	0.27	0.27	mg/l	0.065	SW EQS	no
16/01, 09/04, 31/07, 23/10	GW4O	chloride	titration	quarterly	29	22.3	mg/l	187.5	SW EQS	no
16/01, 09/04, 31/07, 23/10	GW4O	sulphate	turbidimetry	quarterly	20.8	19.1	mg/l	187.5		no
31/7, 31/7,	GW4O GW4O	nitrate Total P	colorimetry	annually annually	< 0.4 <0.12	< 0.4 < 0.12	mg/l mg/l	37.5 NA	SW EQS SW EQS	no no
16/01, 09/04, 31/07, 23/10	GW5	conductivity	meter	quarterly	1247	790	μS/cm @20oC	800	SW EQS	no
16/01, 09/04, 31/07, 23/10	GW5	ammonia	colorimetry	quarterly	0.78	0.54	mg/l	0.065	SW EQS	no
16/01, 09/04, 31/07, 23/10	GW5	chloride	titration	quarterly	24	21.1	mg/l	187.5	SW EQS	no
16/01, 09/04, 31/07, 23/10	GW5	sulphate	turbidimetry	quarterly	39.6	10.9	mg/l	187.5		no
31/7, 31/7,	GW5 GW5	nitrate Total P	colorimetry ICP	annually annually	< 0.4 <0.12	< 0.4 < 0.12	mg/l mg/l	37.5 NA	SW EQS SW EQS	no 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

 $\underline{\text{Groundwater monitoring template}}$ 

by the EPA.

More information on the use of soil and groundwater standards/ generic assessment

criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the

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
 Groundwater
 Drinking water
 Drinking water (public guideline

 water EQS
 GTV's
 standards
 supply) standards
 Values (IGV)

Groundwater/Soil monitoring template	Lic No:	W0017-04	Year	2013

## 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: W0017-04 Year 2013

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

			Commentary	
1	ELRA initial agreement status			
		Submitted and not agreed by EPA;		
				1
2	ELRA review status	Review required and completed		,
3	Amount of Financial Provision cover required as determined by the latest ELRA	135,733		
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;		
_				
5	Financial Provision for ELRA - amount of cover	135,733		
_	Financial Devictor for FLDA - hors	Oth and leave are sife.	Limerick Co Co financial	
6	Financial Provision for ELRA - type	Other please specify	Limerick Co Co financial	resources
7	Financial provision for ELRA expiry date	31/12/2044		
8	Closure plan initial agreement status	losure plan submitted and agreed by EF	A	
9	Closure plan review status	Review required and completed		
10	Financial Provision for Closure status	Submitted and not agreed by EPA;		
11	Financial Provision for Closure - amount of cover	5,696,344		,
12	Financial Provision for Closure - type	Other please specify	Limerick Co Co financial	resources
13	Financial provision for Closure expiry date	31/12/2014		

Environmental Management Programme/Continuous Improvement Program	nme template	Lic No:	W0017-04	Year	2013
Highlighted cells contain dropdown menu click to view		Additional Informat	ion		
Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail additional information	n Yes	An EMS is in ope	ration for the site and is updated annually		
2 Does the EMS reference the most significant environmental aspects and associated impacts on-	ite Yes				
Does the EMS maintain an Environmental Management Programme (EMP) as required in accorda with the licence requirements	nce Yes		ts as the site manual and assists the site in gets and objectives. It is updated annually.		
Do you maintain an environmental documentation/communication system to inform the public 4 environmental performance of the facility, as required by the licence	on Yes				

<b>Environmental Management Programme</b>	Environmental Management Programme (EMP) report										
Objective Category	Target	Status (% completed)		Responsibility	Intermediate outcomes						
			100% complete. Contractor								
Waste reduction/Raw material usage			completed final capping on		Improved Environmental						
efficiency	Completed in Q2 2013	90			Management Practices						
			100% complete. Area east of								
			cells 14/16 has been lined to								
Reduction of emissions to Air	Completed in Q1 2013	90		Section Head	Reduced emissions						
			100% complete. Contractor								
Waste reduction/Raw material usage			completed final capping on		Improved Environmental						
efficiency	Completed in Q3 2013	90	western side of cell 16	Section Head	Management Practices						
			100% complete. Installed								
			new diffuse air system in								
			aeration basin in leachate		Improved Environmental						
Energy Efficiency/Utility conservation	Completed in Q1 2013	90	treatment plant.	Section Head	Management Practices						

Noise monitoring summary report 2013 Lic No: W0017-04 Year 1 Was noise monitoring a licence requirement for the AER period? Yes If yes please fill in table N1 noise summary below Noise Guidance 2 Was noise monitoring carried out using the EPA Guidance note, including completion of the Yes note NG4 "Checklist for noise measurement report" included in the guidance note as table 6? 3 Does your site have a noise reduction plan No 4 When was the noise reduction plan last updated? Enter date Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise No survey?

Table N1: Noi	ise monitoring s	ummary									
Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	$LA_{eq}$	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
6/11/2013	08.00-19.00	M1		35	30	37	67	No	SELECT	traffic, birdsong	Yes
6/11/2013	08.00-19.00		M2	38	27	37	69	No		traffic, site, birdsong	Yes
6/11/2013	08.00-19.00		M3	35	24	35	66	No		traffic, site, birdsong	Yes
6/11/2013	08.00-19.00		M4	38	21	36	71	No		traffic, site, birdsong	Yes
6/11/2013	08.00-19.00		M5	35	22	33	58	No		traffic, site, birdsong	Yes
6/11/2013	08.00-19.00		M6	37	26	38	69	No		traffic, site, birdsong	Yes
6/11/2013	08.00-19.00		M7	36	27	37	70	No		Site, birdsong	Yes
6/11/2013	08.00-19.00		M9	39	27	40	75	No		traffic, site, birdsong	Yes
6/11/2013	08.00-19.00	M10		35	28	34	74	No		Site, birdsong	Yes
6/11/2013	08.00-19.00	M11		38	28	39	67	No		traffic, site, birdsong	Yes
7/11/2013	23.00-05.30	M1		37	28	43	67	No		Site pump, traffic	Yes
7/11/2013	23.00-05.30		M2	35	29	35	66	No		Site pump, dog barking	Yes
7/11/2013	23.00-05.30		M3	32	18	33	65	No		Site pump, cattle	Yes
7/11/2013	23.00-05.30		M4	35	17	36	66	No		Site pump, cattle	Yes
7/11/2013	23.00-05.30		M5	36	23	38	65	No		Dog barking, birdsong	Yes
7/11/2013	23.00-05.30		M6	34	21	34	69	No		Dog barking	Yes
7/11/2013	23.00-05.30		M7	37	19	37	60	No		Traffic, powerlines	Yes
7/11/2013	23.00-05.30		M9	39	31	38	62	No		Site pump, dog barking	Yes
7/11/2013	23.00-05.30	M10		35	28	35	61	No		Site pump, dog barking	Yes
7/11/2013	23.00-05.30	M11		36	26	33	74	No		Site pump, dog barking	Yes

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

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

SELECT

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

Resource Usage/Energy efficiency summary	Lic No: W0017-04	Year	2013

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	2006	
	SEAI - Large Industry		
	Is the site a member of any accredited programmes for reducing energy usage/water conservation such Energy Network.		
2	as the SEAI programme linked to the right? If yes please list them in additional information (LIEN)	No	
	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in		
3	additional information	SELECT	

Table R1 Energy usag	e on site			
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	522	413.6		
Total Energy Generated (MWHrs)	7115	5985.4		
Total Renewable Energy Generated (N	/IWHrs)			
Electricity Consumption (MWHrs)	522	413.6		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	11.6	10.58		
Light Fuel Oil (m3)				
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

<sup>\*</sup> 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.

<sup>\*\*</sup> 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)	4.28				
Non-Hazardous (Tonnes)	25,687.13				

Resource	Usage/Energy efficiency sum	nmary			Lic No:	W0017-04		Year	2013
	Table R4: Energy Au	dit finding recommendat	ions						
	Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility		Status and comments
	2006	Install electricity generation plant to generate electricity from landfill gas	Installation of 1MW ga	energy audit	J	Jun-09	Landfill Manager	Jun-09	Complete
	2006	Install DO probe to control aerators in LTP.	Link DO probe to aera	energy audit	20	Jun-07	Landfill Manager	Jun-07	Complete
		Consider installation of air diffusion system in LTP.	Install alternative aera	energy audit		2013	Landfill Manager		Ongoing

Table R5: Power Generation: Where p	ower is generated onsite	(e.g. power generatio	n facilities/food and	drink industry)please	complete the following
	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology	Gas combustion engine				
Primary Fuel	Landfill gas				
Thermal Efficiency	42.60%				
Unit Date of Commission	2009				
Total Starts for year					
Total Running Time	7872 hrs				
Total Electricity Generated (GWH)	5.99				
House Load (GWH)	0.41				
KWH per Litre of Process Water					
KWH per Litre of Total Water used on	Site				

Complaints and Incidents summary template		Lic No:	W0017-04	Year	2013	
Complaints					•	
		Additional inform	ation			
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	Yes					

Table 1 Complaints summary    Date   Category   Other type (please specify)   Order type (please type)   Order type)   Order type)   Order type)   Order ty	T-bl- 4	Complete		7				
Date Category Other type (please specify) words words Resolution status Resolution date information  On 74 occasions in 2013 Odour Odour oresidences nearby changes.  SELECT SELE	Table 1	Complaints summary		8161 111 6	T	1		1
Date Category Other type (please specify) words) words Resolution status Resolution date information  Odour surveys carried out, operation of the gas faire and infrastructural changes.  SELECT SELECT SELECT SELECT  SOURCE SELECT SELECT  Total complaints open at start of reporting year complaints received during received during reporting year Total complaints closed during reporting year Total								
Odour from landfill site experienced at various flare and infrastructural residences nearby changes.  Odour surveys carried out, operation of the gas flare and infrastructural residences nearby changes.  SELECT Total complaints open at start of reporting year received during received during reporting year 74 Total complaints closed during reporting year 74								
Odour from landfill site experienced at various flare and infrastructural changes.  Odour residences nearby changes.  SELECT SELECT SELECT  SELECT SELECT  Total complaints open at start of reporting year complaints received during received during reporting year 74  Total complaints closed during reporting year 74	Date	Category	Other type (please specify)	words)	words	Resolution status	Resolution date	information
Odour from landfill site experienced at various flare and infrastructural changes.  Oldour residences nearby changes.  SELECT SE					0.4			
On 74 occasions in 2013 Odour residences nearby changes. SELECT S				0.1				
2013   Odour   residences nearby   Changes.   Ongoing								
SELECT   S								
SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT Total complaints open at start of reporting year complaints received during reporting year 74 Total complaints closed during reporting year 74				residences nearby				
SELECT SE								
SELECT  Total complaints open at start of reporting year  Total new complaints received during reporting year  Total complaints closed during reporting year  74								
Total complaints open at start of reporting year O Total new complaints received during reporting year Total complaints closed during reporting year reporting year 74								
open at start of reporting year 0 Total new complaints received during reporting year 74 Total complaints closed during reporting year 74 Total complaints closed during reporting year 74		SELECT				SELECT		
reporting year 0 Total new complaints received during reporting year 74 Total complaints closed during reporting year 74	Total complaints							
Total new complaints received during reporting year 74 Total complaints closed during reporting year 74	open at start of							
complaints received during reporting year 74 Total complaints closed during reporting year 74	reporting year	C C						
received during reporting year 74  Total complaints closed during reporting year 74	Total new							
received during reporting year 74  Total complaints closed during reporting year 74	complaints							
reporting year 74 Total complaints closed during reporting year 74								
Total complaints closed during reporting year 74		74	ı					
closed during reporting year 74			1					
reporting year 74								
		74						
Balance of	Balance of		Ť					
complaints end of								
reporting year 0		1						

	Incidents		
			Additional information
Have any incidents occurred on site in the curren	t reporting year? Please list all incidents	for current	
reporting year	in Table 2 below	SELECT	
		<u> </u>	
*For information on how to report and what			
constitutes an incident	What is an incident		

incidents previous year % reduction/ increase

Table 2 Incidents sur	nmary													
						Other	Activity in				Preventative			
			Incident category*please			cause(please	progress at time			Corrective action<20	action <20	Resolution	Resolution	Likelihood of
Date of occurrence	Incident nature	Location of occurrence	refer to guidance	Receptor	Cause of incident	specify)	of incident	Communication	Occurrence	words	words	status	date	reoccurence
24.01.2013	Monitoring equipment offline	Weatrher station	1. Minor	No Uncontrolled release	Plant or equipmen	nt issues	Normal activities	EPA	New	Repair of equipment	NA	Complete	31.01.2013	Low
17.04.2013	Monitoring equipment offline	Licenced discharge point (ty	1. Minor	Air	Plant or equipmen	nt issues	Routine maintenar	EPA	New	Repair of equipment	NA	Complete	02.05.2013	Low
17.12.2013	Breach of ELV	Licenced discharge point (ty	1. Minor	Water	Operational contr	ols	Normal activities	EPA	New	reduce P feed	Reduce P feed	Complete	17.12.2013	Low
	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	3													
Total number of	·													

WASTE SUMMARY	Lic No:	W0017-04	Year	2013
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY	ALL IPPC AND WASTE FACILITIES	PRTR facility logon	dropdown I	ist click to see options

SECTION B- WASTE	ACCEPTED ONTO SITE-TO BE COI	MPLETED BY ALL IPPC AN	D WASTE FACILITIES								
	d onto your site for recovery or disposal o	or treatment prior to recovery o	r disposal within the boun	daries of your facility ?;(	waste generated within your		Additional Information	on			
1 boundaries is to be capture. If yes please enter details.						Yes		1			
ii yes piease enter details	III (able 1 below										
2 Did your site have any rej	ected consignments of waste in the curre	nt reporting year? If yes please	give a brief explanation in	the additional information	n	No					
3 Was was	te accepted onto your site that was gener	rated outside the Penublic of Ire	land? If yes please state th	he quantity in tonnes in a	dditional information	No					
	waste accepted onto your s						will have been	reported in your	PRTR workbook)		
Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code		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		Comments -
	European Waste Catalogue EWC codes		European Waste Catalogue EWC codes								
		20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES)									
130,000	20 03 01	INCLUDING SEPARATELY COLLECTED FRACTIONS	mixed municipal	103,806.15	128,916.06	-19%			D5- Specially engineered landfill	0	
130,000	20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	street sweepings	241.92	186.69	30%			D5- Specially engineered landfill	0	
130,000	19 08 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	WWTP Screenings	446.14	101.06				D5- Specially engineered landfill	0	
130,000	11 01 10	11- WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON- FERROUS HYDRO- METALLURGY	Filter cake Gypsum	70.76	186.44	-62%			D5- Specially engineered landfill	0	
130,000	110110	10- WASTES FROM THERMAL PROCESSES	net take dypount	70.70	100.44	1027			R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnother biological transformation processes)which includes		
2,000	10 01 01		woodash	802.40	928.94	-13%			gasification and pyrolisis	0	<b></b>
	19.02.05	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER EOD MUNISTRIAL USE	hiotahilicad wasta	7.474.66	2,065,04	262%			R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials		

WASTE SUMMARY					Lic No:	W0017-04	Year	2013	
50,000	170103	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	tiles & ceramics	701.20	502.44			R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	0
50,000	170504	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)		0.00	1,889.32			R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	0
50,000	191212	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDEO FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	C&D	10,341.56	6,484.20	59%		R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	0
50,000	19 09 02		Sludge	9.98	0.00			D5- Specially engineered landfill	
50,000	19 02 06		Sludge	1,497.74	0.00			D5- Specially engineered landfill	
2.000	19 12 07	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	woodchip	437.86	342.20	28%		R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnother biological transformation processes)which includes gas/fication and pyrolisis	0
5,000	20 01 39		plastic bottles	0.00				R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	0
5,000	20 01 01		tetrapaks	0.00	1.36			R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	0
5,000	20 01 01		newspapers magazines	17.60	22.00	20%		R3-Recycling/reclamation or organic substances which are not used as solvents[including composting asnother biological transformation processes]which includes gasification and pyrolisis	0
5,000	20 01 02		Glass	0.00				R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	0
								R4- Recycling/reclamation of	
5,000	20 01 05		food cans	0.00	0.51			metals and metal compounds	0
5,000	20 01 05		drink cans	0.00	0.48			R4- Recycling/reclamation of metals and metal compounds	o

	WASTE SUMMARY				Lic No:	W0017-04	Year	2013	
								R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnother biological transformation processes)which includes	
ļ	5,000	20 01 01	cardboard	0.00	13.60			gasification and pyrolisis	0
	5,000	20 01 40	mixed metals	23.18	23.64	296		R4- Recycling/reclamation of metals and metal compounds	0
	5,000	20 01 11	textiles	1.22	1.54	21%		R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	0
	5,000	15 01 07	glass	6.32	0.00			R4- Recycling/reclamation of metals and metal compounds	0
	5000	15 01 01	cardboard packaging	4.5	0			R4- Recycling/reclamation of metals and metal compounds	0
	5000	20 02 01	Garden waste	13.58	0			R4- Recycling/reclamation of me	0

## SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES

4 Is all waste processing infrastructure as re	quired by your licence and a	pproved by the Agency	in place? If no please list waste	processing infrastructure required onsite

- 5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site
- 6 Does your facility have relevant nuisance controls in place?
- 7 Do you have an odour management system in place for your facility? If no why? 8 Do you maintain a sludge register on site?

# Table 2 Waste type and tonnage-landfill only

Tubic & waste type	and tollinge-landilli olliy			
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
Municipal Solid Waste	130,000	106,334		
(household & commercial)				remaining built
			45,000	capacity

ing licensed by at end of ng year (m3)	Comments
5,000	remaining built capacity
-	

Table 3 General info	rmation-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 l waste	Lined disposal y area occupied by waste	Unlined area	Comments on liner type
										m2	m2	m2	
Cells 1 to 16	Mar-90	ongoing	Yes	Public	Non Hazardous	2014	No	No	No	157,6	136,84	20,800	As per licence

SELECT

SELECT SELECT SELECT

### WASTE SUMMARY W0017-04 2013 Lic No: Year

Table 4 Environment	tal monitoring-landfill only	Landfill Manual-Monitoring Sta	ndards_					
Was meterological								
monitoring in compliance						Was tonography	Has the statement	
with Landfill Directive		Was Landfill Gas monitored in				of the site	under S53(A)(5) of	
(LD) standard in reporting	Was leachate monitored in compliance	compliance with LD standard in			Were emission limit values agreed with	surveyed in	WMA been submitted	
year +	with LD standard in reporting year	reporting year	standard in reporting year	been established	the Agency (ELVs)	reporting year	in reporting year	Comments
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

.+ 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 waste that should be permanently		
n	m2	m2	Area with final cap to LD Standard m2 ha, a	Area capped other	capped to date under licence	What materials are used in the cap	Comments
	20.668	15.000	146.300	0		as per licence condition 10.3.1	

\*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?

10 is leachate released to surface water? If yes please complete leachate mass load information below

es/	
es/	

Volume of leachate in reporting year(m3)			Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum		Specify type of leachate treatment Comments
23,060	135	NA	10	NA	Yes	Extended aeration

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

	able 7 Editariii Gas-Editariii Giry										
Gas Captured&Treated by			Was surface emissions monitoring performed								
LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid		Comments							
3,250,484	5985 MWh	Both	Yes	m <sup>3</sup> of methane							

| PRTR#: W0017 | Facility Name : Gortadroma Landfill Site | Filename : 2013 PRTR.xls | Return Year : 2013 | 26/3/2014 14:52



## Guidance to completing the PRTR workbook

## **AER Returns Workbook**

Parent Company Name	Limerick County Council
	Gortadroma Landfill Site
PRTR Identification Number	
Licence Number	W0017-04
Waste or IPPC Classes of Activity	
No.	class_name
	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).
	Blending or mixture prior to submission to any activity referred to in a
3.11	preceding paragraph of this Schedule.
	Storage prior to submission to any activity referred to in a preceding
	paragraph of this Schedule, other than temporary storage, pending
3.13	collection, on the premises where the waste concerned is produced.
0.10	Biological treatment not referred to elsewhere in this Schedule 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
3.€	Schedule.
3.7	***************************************
	The treatment of any waste on land with a consequential benefit for
4.10	an agricultural activity or ecological system.
	Use of waste obtained from any activity referred to in a preceding
4.11	paragraph of this Schedule.
	Exchange of waste for submission to any activity referred to in a
4.12	preceding paragraph of this Schedule. 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
4 13	produced.
4.10	Recycling or reclamation of organic substances which are not used
	as solvents (including composting and other biological
4.2	transformation processes).
	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
	Use of any waste principally as a fuel or other means to generate
4.9 Address 1	energy. Gortadroma
Address I	Ballyhahill
	Co. Limerick
Address 4	
	Limerick
Country	
Coordinates of Location River Basin District	-6.45823 53.8084
NACE Code	
	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	JOHN O CARROLL
AER Returns Contact Email Address AER Returns Contact Position	ocarroll@limenckcoco.ie
AER Returns Contact Telephone Number	Landili Manager
	060-82355
AFR Returns Contact Mobile Phone Number	069-82355 087-7565449
AER Returns Contact Mobile Phone Number	087-7565449
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume	087-7565449 069-82350
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Units	087-7565449 069-82350
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Units Number of Installations	067-7565449 069-82350 0.69-82350
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Units Number of Installations Number of Operating Hours in Year	087-7565449 069-82350 0.00
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Units Number of Installations Number of Operating Hours in Year Number of Employees	087-796449 069-82350 0.0 1 2210
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Units Number of Installations Number of Operating Hours in Year Number of Employees	087-7565449 069-82350 0.6 1 2210 Release to water-Total Nitrogen significantly higher than 2012.
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Units Number of Installations Number of Operating Hours in Year Number of Employees	097-7565449
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Units Number of Installations Number of Operating Hours in Year Number of Employees	067-7565449 069-82350 0.6 2210 Release to water-Total Nitrogen significantly higher than 2012. Nitrate lest result 0.4 mp/LQ012) and 8.1 mg/LQ013). Result of 8.1 mg/LQ0130 and 8.1 mg/LQ0130 an
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Units Number of Installations Number of Operating Hours in Year Number of Employees	099-7:565449 099-9:2350 0.0 0.0 099-9:2350 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Units Number of Installations Number of Operating Hours in Year Number of Employees	097-7565449
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Units Production Volume Units Number of Operating Hours in Yea Number of Operating Hours in Yea User Feedback/Comments User Feedback	097-7565449   009-92350   0.0.1   0.0.2   0.
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Units Number of Coversing Hours in Year Number of Coversing Hours in Year Number of Employees User Feedback/Comments	097-7565449   009-92350   0.0.1   0.0.2   0.
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Units Production Volume Units Number of Operating Hours in Yea Number of Operating Hours in Yea User Feedback/Comments User Feedback	097-7565449   009-92350   0.0.1   0.0.2   0.
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Number of Installations Number of Operating Hours in Year Number of Employees User Feedback/Comments Web Address	087-7565449 089-82350 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Number of Number of Installations Number of Contact Number of Number	098-7:565449 009-9:2350 0.0.0 21 21 Release to water-Total Nitrogen significantly higher than 2012. Nitrate lest result 0.4 mg/L(2012) and 8.1 mg/L(2013), Result of 8.1 still within A1 MAC as specified in EC (Quality of surface water intended for the abstraction of drinking water) Regs 1998 [SI No. 294 of 1989]. Activity Name
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Number of Coverating Hours in Year Number of Coverating Hours in Year Number of Coverating Hours in Year Number of Employees User Feedback/Comments Web Address L PRTR CLASS ACTIVITIES Activity Number	087-756449  089-82350  0.05  1.1  2.1  Release to water- Total Nitrogen significantly higher than 2012. Nitrate test result 0.4 mg/L(2012) and 8.1 mg/L(2013), Result of 8.1 still within A1 MAC as specified in EC (Quality of surface water of 1989).  Activity Name Lardfills
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Number of Installations Number of Operaline House in Year User Feedback Comments Web Address User Feedback Comments Web Address 2. PRTR CLASS ACTIVITIES Activity Number	098-7:565449 009-9:2350 0.0.0 21 21 Release to water-Total Nitrogen significantly higher than 2012. Nitrate lest result 0.4 mg/L(2012) and 8.1 mg/L(2013), Result of 8.1 still within A1 MAC as specified in EC (Quality of surface water intended for the abstraction of drinking water) Regs 1998 [SI No. 294 of 1989]. Activity Name
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Units Production Volume Number of Operating Hours in Yea Number of Operating Hours in Yea Number of Operating Hours in Yea User Feedback/Comments Web Address 2. PRTR CLASS ACTIVITIES Activity Number (5)(6) (6)(6)(7)(7)(7)(7)(7)(7)(7)(7)(7)(7)(7)(7)(7)	0987-756449 009-92350 0.0.0 0.0 099-92350 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Production Volume Number of Installations Number of Operating Hours in Year Number of Employees User Feedback/Comments Web Address 2. PRTR CLASS ACTIVITIES Activity Number (50)	0987-756449 099-92350 0.0.0 0.0 099-92350 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Number Of Departing Hours in Year Number of Operating Hours in Year Number of Employees User Feedback/Comments Web Address  Web Address  Activity Number (6) (6) (6) (6) (8) (8) (8) (8) (8) (8) (8) (9) (9) (9) (8) (9) (9) (9) (9) (9) (10) (10) (10) (10) (10) (10) (10) (10	087-756449  009-82350  0.0.  1  1  21  Release to water-Total Nitrogen significantly higher than 2012.  Rivinate lost result 0.4 mg/L(2012) and 8.1 mg/L(2013). Result of 6.1 sill within A1 MAC as specified in EC (Quality of surface water intended for the abstraction of dirisking water) Regis 1986 [SI No. 294 of 1989].  Activity Name  Landfills General  General  General
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Number of Installations Number of Installations Number of Installations Number of Contact Number of Installations Web Address User Feedback/Comments  Web Address 2. PRTR CLASS ACTIVITIES Activity Number (50) (50) (50) (50) (50) (50) (50) (50)	087-756449  009-82350  0.0.  1  1  21  Release to water-Total Nitrogen significantly higher than 2012.  Rivinate lost result 0.4 mg/L(2012) and 8.1 mg/L(2013). Result of 6.1 sill within A1 MAC as specified in EC (Quality of surface water intended for the abstraction of dirisking water) Regis 1986 [SI No. 294 of 1989].  Activity Name  Landfills General  General  General
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Units Production Volume Units Number of Operating Hours in Year Number of Peedback/Comments User Feedback/Comments User Feedback/Comments Web Address 2. PRTR CLASS ACTIVITIES Activity Number (5(6) (5(6) (5(6) (5(6) (5(6) (5(7) (5	087-756449  009-82350  0.0.  1  1  21  Release to water-Total Nitrogen significantly higher than 2012.  Rivinate lost result 0.4 mg/L(2012) and 8.1 mg/L(2013). Result of 6.1 sill within A1 MAC as specified in EC (Quality of surface water intended for the abstraction of dirisking water) Regis 1986 [SI No. 294 of 1989].  Activity Name  Landfills General  General  General
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Production Volume Production Volume Number Of Installations Number Of Oberalinin Hours in Year User Feedback/Comments Web Address 2. PRTR CLASS ACTIVITIES Activity Number 3.501 Solvents REGULATIONS (S.I. No. 545 of 25 Solvents Regulations) Have you been granted by class applies (sa per Solvents Regulations) Solvents Regulations Solvents Regulat	087-756449  009-82350  0.0.  1  1  21  Release to water-Total Nitrogen significantly higher than 2012.  Rivinate lost result 0.4 mg/L(2012) and 8.1 mg/L(2013). Result of 6.1 sill within A1 MAC as specified in EC (Quality of surface water intended for the abstraction of dirisking water) Regis 1986 [SI No. 294 of 1989].  Activity Name  Landfills General  General  General
AER Returns Contact Mobile Phone Number AER Returns Contact Fax Number Production Volume Units Production Volume Units Number of Operating Hours in Year Number of Peedback/Comments User Feedback/Comments User Feedback/Comments Web Address 2. PRTR CLASS ACTIVITIES Activity Number (5(6) (5(6) (5(6) (5(6) (5(6) (5(7) (5	087-756449  009-82350  0.0.  1  1  21  Release to water-Total Nitrogen significantly higher than 2012.  Rivinate lost result 0.4 mg/L(2012) and 8.1 mg/L(2013). Result of 6.1 sill within A1 MAC as specified in EC (Quality of surface water intended for the abstraction of dirisking water) Regis 1986 [SI No. 294 of 1989].  Activity Name  Landfills General  General  General

4. WASTE IMPORTEDIACCEPTED ONTO SITE

Do you importscopel waste onto your site for onsite treatment (either recovery or disposal
socionism);

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

13

## SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

	RELEASES TO AIR	Please enter all quantities in this section in KGs  METHOD QUANTITY										
	POLLUTANT			METHOD								
				Method Used	Landfill gas engine							
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Yea	F (Fugitive) KG/Yea				
				Total estimatrd methane								
				generated minus(methane								
01 - Methane (CH4)		С	OTH	flare + utilised)	3422721.0	3422721.0	0.0	0.0				
03	Carbon dioxide (CO2)	С	OTH	Gassim Mode	22300000.0	22300000.0	0.0	0.0				
08	Nitrogen oxides (NOx/NO2)	M	OTH	Flue gas analyse	949.3	0.0	0.0	0.0				
10	Sulphur hexafluoride (SF6)	M	OTH	Flue gas analyse	212.67	0.0	0.0	0.0				
02	Carbon monoxide (CO)	M	OTH	Flue gas analyse	3115.62	0.0	0.0	0.0				
86	Particulate matter (PM10)	M	OTH	Isokenetic filtration	4.11	0.0	0.0	0.0				

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

## SECTION B: REMAINING PRTR POLLUTANTS

RELEASES TO 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/Yeai	A (Accidental) KG/Yea	F (Fugitive) KG/Yea		
					0.0		0.0	0.0		

<sup>\*</sup> 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			N	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/Yea	F (Fugitive) KG/Yea		
					0.0		0.0	0.0		

<sup>\*</sup> 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 Tjotal KRyl for Seation A: Sector specific PRTR pollutants above. Please complete the table below.

Link to previous years emissions data

Landfill: Gortadroma Landfill Site

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 si						
model)	5602580.0			Gassim model	N/A	
Methane flared				Landfill gas survey		(Total Flaring Capacity)
Methane utilised in engine/s	1279831.0			Landfill gas survey	600.0	(Total Utilising Capacity)
				Total estimated methane		
Net methane emission (as reported in Section .				generated minus(methane		
above)	3422721.0			flare + utilised)	N/A	

Link to previous years emissions data

RELEASES TO WATERS	Please enter all quantities in this section in KGs	
SECTION A: SECTOR SPECIFIC PRIR 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	s Releases from your facility

		RELEASES TO WATERS	Please enter all quantities in this section in KGs								
		POLLUTANT					(	QUANTITY			
						SW4-Storm Water	Treated Leachate				
					Method Used	Disharge	Discharhe				
										F	
									A (Accidental)	(Fug	gitive)
	No. Annex II	Name	M/C/E	Method Code	Designation or Description		Emission Point 2		(G/Year		Year
18		Cadmium and compounds (as Cd)	M	ALT	ISO 11885 2007	0.381		0.381	0	0.0	0.0
19		Chromium and compounds (as Cr)	M	ALT	ISO 11885 2007	1.27		0.0		0.0	0.0
20		Copper and compounds (as Cu)	M	CRM	UKAS	5.716		0.0	0	0.0	0.0
21		Mercury and compounds (as Hg)	M	CRM	UKAS	0.0635				0.0	0.0
22		Nickel and compounds (as Ni)	M	ALT	ISO 11885 2007	1.905				0.0	0.0
23		Lead and compounds (as Pb)	M	ALT	ISO 11885 2007	3.811		0.0	0	0.0	0.0
24		Zinc and compounds (as Zn)	M	ALT	ISO 11885 2007	11.433		0.0		0.0	0.0
34		1,2-dichloroethane (EDC)	M	CRM	UKAS	0.635		0.0		0.0	0.0
61		Anthracene	M	CRM	UKAS	0.635				0.0	0.0
62		Benzene	M	CRM	UKAS	0.635	0.0	0.0	0	0.0	0.0
					Standard methods for						
					examination of water &						
79		Chlorides (as CI)	M	OTH	wastewater 4500D	20599.4		0.0	0	0.0	0.0
65		Ethyl benzene	M	CRM	UKAS	0.635		0.0		0.0	0.0
88		Fluoranthene	M	CRM	UKAS	0.635		0.0		0.0	0.0
43		Hexachlorobutadiene (HCBD)	M	CRM	UKAS	0.635		0.0		0.0	0.0
68		Naphthalene	M	CRM	UKAS	1.276		0.0		0.0	0.0
49		Pentachlorophenol (PCP)	M	CRM	UKAS	0.635		0.0	0	0.0	0.0
73		Toluene	M	CRM	UKAS	0.635		0.0	0	0.0	0.0
12		Total nitrogen	M	CRM	UKAS	5145.08		5145.08		0.0	0.0
13		Total phosphorus	M	CRM	UKAS	76.22	23.52	99.74	0	0.0	0.0
60		Vinyl chloride	M	CRM	UKAS	0.317		0.0		0.0	0.0
42		Hexachlorobenzene (HCB)	M	CRM	UKAS	0.635				0.0	0.0
91		Benzo(g,h,i)perylene	M	CRM	UKAS	0.635	0.0	0.0	0	0.0	0.0
35		Dichloromethane (DCM)	M	CRM	UKAS	0.635		0.0	0	0.0	0.0
71		Phenois (as total C)	M	CRM	UKAS	0.635	0.0	0.0	0	0.0	0.0
76		Total organic carbon (TOC) (as total C or COD/3)	M	CRM	UKAS	7145.95	0.0	0.0	0	0.0	0.0
78		Xylenes	M	CRM	UKAS	0.635	0.0	0.635	0	0.0	0.0

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

## SECTION B : REMAINING PRTR POLLUTANTS

SECTION B. REMAINING PRIN POLLUTA	113							
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	
07	Non-methane volatile organic compounds (NMV/OC)			0.0	0.0	0.0	0.0	

<sup>\*</sup> 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		
						SW4-Storm Water	Treated Leachate				
					Method Used	Disharge	Discharhe				
										F	
									A (Accidental)	(Fu	ugitive)
	Pollutant No.		M/C/E		Designation or Description			T (Total) KG/Year	KG/Year		3/Year
23		Ammonia (as N)	M	CRM	UKAS	180.39				0.0	0.0
30	03	BOD	M	CRM	UKAS	1060.77	118.99	1179.76	5	0.0	0.0
					Standard methods for						
					examination of water &						
30	06	COD	M	OTH	wastewater 4500D	21437.86	0.0	0.0		0.0	0.0
					Standard methods for						
					examination of water &						
24	10	Suspended Solids	M	OTH	wastewater 4500D	4706.8	352.58	5059.38	3	0.0	0.0
35	57	Iron	M	ALT	ISO 11885 2007	489.1	0.0		1	0.0	0.0
32	20	Magnesium	M	ALT	ISO 11885 2007	4103.36	0.0	0.0	1	0.0	0.0
32	21	Manganese (as Mn)	M	ALT	ISO 11885 2007	965.49	0.0	0.0		0.0	0.0
33	32	Ortho-phosphate (as PO4)	M	CRM	UKAS	762.23	0.0	0.0		0.0	0.0
34	13	Sulphate	M	CRM	UKAS	17976.04	0.0	0.0		0.0	0.0
34	И	Sodium	M	ALT	ISO 11885 2007	11115.93	0.0	0.0		0.0	0.0
33	38	Potassium	M	ALT	ISO 11885 2007	2146.96	0.0	0.0		0.0	0.0
37	74	Boron	M	ALT	ISO 11885 2007	146.09	0.0	0.0		0.0	0.0
30	05	Calcium	M	ALT	ISO 11885 2007	38873.99	0.0	0.0	1	0.0	0.0

<sup>\*</sup> 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				- 1				0
										Haz Waste : Name and Licence/Permit No of Next			
										Destination Facility	Haz Waste : Address of Next	Name and License / Permit No. and	
				Quantity (Tonnes per						Non Haz Waste: Name and Licence/Permit No of	Destination Facility	Address of Final Recoverer / Disposer (HAZARDOUS WASTE	Actual Address of Final Destination i.e. Final Recovery / Disposal Site
				Year)				Method Used		Recover/Disposer	Non Haz Waste: Address of Recover/Disposer	ONLY)	(HAZARDOUS WASTE ONLY)
						Waste			1		·		
		European Waste				Treatment			Location of				
L	Fransfer Destination	Code	Hazardous		Description of Waste	Operation	M/C/E	Method Used	Treatment	CLEAN IRELAND	Cree ,Kilrush ,County		
١	Vithin the Country	15 01 01	No	4 26	paper and cardboard packaging	R3	М	Weighed	Offsite in Ireland	RECYCLING,W0253-01	Clare,Ireland		
											LUDDENMORE,GRANGE,KI		
											LMALLOCK,COUNTY		
١	Vithin the Country	15 01 04	No	0.37	metallic packaging	R4	М	Weighed	Offsite in Ireland	MR. BINMAN,W0061-03	LIMERICK, Ireland LUDDENMORE, GRANGE, KI		
											LMALLOCK,COUNTY		
١	Vithin the Country	15 01 04	No	0.07	metallic packaging	R4	M	Weighed	Offsite in Ireland	MR. BINMAN,W0061-03	LIMERICK, Ireland		
	rest to the Country	45.04.05		0.74	annonita carbanian	D.C.			0#-7- 1-1-11	CLEAN IRELAND	Cree ,Kilrush ,County		
١,	Vithin the Country	15 01 05	No	0.74	composite packaging	R5	М	Weighed	Offsite in Ireland	RECYCLING,W0253-01	Clare,Ireland LISTOWEL WASTE		
										LISTOWEL WASTE	WATER TREATMENT		
					landfill leachate other than those mentioned					WATER TREATMENT	PLANT,LISTOWEL		
١	Vithin the Country	19 07 03	No	778.14	in 19 07 02	D8	М	Weighed	Offsite in Ireland	PLANT,D0179-01	,COUNTY KERRY,,,Ireland BALLYBUNION WASTE		
										BALLYBUNION WASTE	WATER TREATMENT		
					landfill leachate other than those mentioned					WATER TREATMENT	PLANT, BALLYBUNION		
١	Vithin the Country	19 07 03	No	1418.08	in 19 07 02	D8	M	Weighed	Offsite in Ireland	PLANT,D0183-01	,COUNTY KERRY,.,Ireland		
											BALLHEIGUE WASTE		
										BALLYHEIGUE WASTE	WATER TREATMENT		
					landfill leachate other than those mentioned					WATER TREATMENT	PLANT, BALLYHEIGUE		
١	Vithin the Country	19 07 03	No	2057.42	in 19 07 02	D8	М	Weighed	Offsite in Ireland	PLANT,D0186-01	T,COUNTY KERRY,.,Ireland ENVA IRELAND		
											,SMITHSTOWN		
											INDISTRIAL		
,	Vithin the Country	10.07.02	No		landfill leachate other than those mentioned in 19 07 02	D8	м	Weighed	Offeito in Ireland	ENVA IRELAND ,W0041-01	EST.,SHANNON,COUNTY CLARE.Ireland		
ì	vicini die Codiniy	18 07 03	140	3700.20	111130702	D0	IVI	vveigneu	Olisite III II elaliu	LIVYA IKELAND ,WOOTFOT	PALLASKENERY WASTE		
											WATER TREATMENT		
					landfill leachate other than those mentioned					PALLASKENERY WASTE WATER TREATMENT	PLANT, PALLASKENERY , COUNTY		
١	Vithin the Country	19 07 03	No			D8	М	Weighed	Offsite in Ireland	PLANT,D0304-01	LIMERICK,,,Ireland		
											CASTLETROY WASTE		
					landfill leachate other than those mentioned					CASTLETROY WASTE WATER TREATMENT	WATER TREATMENT PLANT.CASTLETROY.COU		
١	Vithin the Country	19 07 03	No			D8	м	Weighed	Offsite in Ireland	PLANT,D0019-01	NTY LIMERICK,,,Ireland		
										BUNLICKY WASTE WATER			
,	Vithin the Country	19 07 03	No		landfill leachate other than those mentioned in 19 07 02	D8	М	Weighed	Offsite in Ireland	TRETMENT	DOCK ROAD,,,LIMERICK,,,Ireland		
,	vitriiii trie Country	19 07 03	INO	2349.42	111 19 07 02	Do	IWI	vveigned	Offsite in freiand	CLEAN IRELAND	Cree ,Kilrush ,County		
١	Vithin the Country	20 01 01	No	17.6	Newspapers & Magazines	R3	M	Weighed	Offsite in Ireland	RECYCLING,W0253-01	Clare.,,,Ireland		
											LUDDENMORE, GRANGE, KI LMALLOCK, COUNTY		
١	Vithin the Country	20 01 02	No	6.32	glass	R5	M	Weighed	Offsite in Ireland	MR. BINMAN,W0061-03	LIMERICK, Ireland		
											COOKSTOWN TEXTILE		
											RECYCLERS,36		
										COOKSTOWN TEXTILE	MAGHERALANE ROAD,RANDALSTOWN,CO		
١	Vithin the Country	20 01 11	No	1.22	textiles	R5	M	Weighed	Offsite in Ireland		UNTY ANTRIM, Ireland		
												EUROPEAN METAL	
											KMK METAL	RECYCLING L.t.d,EPR/GP3292FT,BENT	
											RECYCLERS,CAPPINCUR	LEY ROAD	BENTLEY ROAD
										ICANIC ANTITAL	INDUSTRIAL	SOUTH, DARLASTON, WES	SOUTH, DARLASTON, WES
- 3	o Other Countries	20.01.35	Yes	4 28	Fridge Freezers	R4	м	Weighed	Abroad	KMK METAL RECYCLERS,W0113-04		T MIDLANDS,WS10 8LW,United Kingdom	T MIDLANDS,WS10 8LW,United Kingdom
				7.20							KMK METAL	a,amica ringuom	,-mod rangdom
											RECYCLERS,CAPPINCUR		
										KMK METAL	INDUSTRIAL EST.,TULLAMORE,COUNT		
١	Vithin the Country	20 01 36	No	2.44	LDA Non-Hazardous	R4	M	Weighed	Offsite in Ireland	RECYCLERS,W0113-04	Y OFFALY,Ireland		
	-				diameter desired and advantage of					TREVOR RATCLIFFE	DALLYOTALIAN OT		
					discarded electrical and electronic equipmen other than those mentioned in 20 01 21, 20					DELIVERIES L.T.D,MULTI REGIONAL PERMIT NO:	BALLYSTAHAN,ST. MARGARETS,COUNTY		
١	Vithin the Country	20 01 36	No		01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland	WCP-DC-08-1130-01	DUBLIN,.,Ireland		
					-1	DE				CLEAN IRELAND	Cree ,Kilrush ,County		
١	Vithin the Country	20 01 39	No	4.68	plastics	R5	М	Weighed	Ottsite in Ireland	RECYCLING,W0253-01	Clare,Ireland Eastway Recycling		
										UNITED METALS,NWCPO-	Park,Ballysimon,Limerick,.,Ir		
١	Vithin the Country	20 01 40	No	23.18	Mixed Scrap Metal	R4	M	Weighed	Offsite in Ireland		eland		
			* Calant a row	hu daubla aliabiaa	the Description of Waste then click the delete button								

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