Facility Information Sum	ımary		
AER Reporting Year	2016		
Licence Register Number	W0011-02		
Name of site		Ballymurtagh	
Site Location	A	voca, co. Wicklow	
NACE Code		3832	
Class/Classes of Activity	Disposal & Red	overy of Non-Hazardous Waste	
National Grid Reference (6E, 6 N)	_	6.22865,52.87457	
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.			
	Ballymurtagh is	a closed landfill (14 years) and now onl	y operates a Recycling facility at the site.

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.

Signature Robert Kelly Date 20/03/2017
Group/Facility manager
(or nominated, suitably qualified and experienced deputy)

	AIR-summary					Lic No:	W0011-02		Year	2016	j	
	Answer all question	ons and complete all table	s where relevant									·
1	reporting year ar		ions. If <mark>you do not h</mark>	ave licenced emis	nd A2 below for the current sions and do not complete a implete the tables	Yes		Additional information of the control of the contro				
	Periodi	c/Non-Continuous N	Monitoring									
2					etails in the comment section of	No						
3		g carried out in accordance d using the basic air monit		Basic air monitoring checklist	AGN2	Yes						
	Table A1: Licer	Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)										
	Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision therof	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable			
	Flare	volumetric flow	Bi-annual	3000 m^3/hr		117	Nm3/hour	yes	ОТН	-		
	Flare	Sulphur oxides (SOx/SO2)	Bi-annual	No limit		57.93	mg/Nm3	not applicable#	ОТН	67.78		
	Flare	Nitrogen oxides (NOx/NO2)	Bi-annual	<150mg/Nm^3	100 % of values < ELV	83.79	mg/Nm3	yes	ОТН	98.03		
	Flare	Carbon monoxide (CO)	Bi-annual	No limit		2.23	mg/Nm3	not applicable#	отн	2.6		
		flow shall be included as					mg/ivins	пот аррисавлен	UIM	2.0	'L	
		Continuous N	/lonitoring							•		
4	Does your site car	ry out continuous air emis	sions monitoring?			No						
	If yes please revie		oring data and report to relevant Emission Lin		pelow in Table A2 and compare					T		
5	Did continuous mo	onitoring equipment exper	ience downtime? If ye	es please record do	wntime in table A2 below	SELECT						
6	Do you have a proa	active service agreement fo	or each piece of conti	nuous monitoring e	quipment?	SELECT						
7		ite experience any abatem			them in table A3 below	SELECT						
	Emission reference no:	Parameter/ Substance	ELV in licence or any revision therof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments	

AIR-summary template					Lic No:	W0011-02	Year	2016	
	SELECT			SELECT	SELECT				
	SELECT				SELECT				1
	SELECT				SELECT				1
	SELECT				SELECT				1
	SELECT				SELECT				 i

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

Table A3: Abatement system bypass reporting table

Bypass protocol

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

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

^{**} an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency

able A4: Solve	ent Management Pla		Solvent regulations	s please fill out tables A4 and A5 Please refer to linked solver complete table 5	t regulations to	No	
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance SELECT SELECT		
Table A5:	(I) Inputs (kg)	ce summary		(0)	Outputs (kg)		
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
						Total	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0011-02 Additional information									Year	2016						
							Additional information									
please com further question	plete table W2 a ons. If you do no	emissions direct to surfact and W3 below for the cur thave licenced emission r storm water analysis a	rrent reporting yea is you <u>only</u> need to	r and answer complete table	Yes	Suspended Solid	ls from Landfill retention pond and	Recycling Centre.								
2 discharges or	watercourses on	icence to carry out visua n or near your site? If yes	please complete t	able W2 below												
		lence of contamination r	noted during visual	inspections	Yes	No evidence of o	contamination observed during the	reporting period.								
Table	W1 Storm wat	ter monitoring				1		1			1					
Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments						
	SELECT SELECT	SELECT SELECT	SELECT SELECT			SELECT SELECT		SELECT SELECT	SELECT SELECT							
*trigger values n	•				1	SELECT		SELECT	SELECT		J					
*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					Source of										
	.,		Description of con	tamination		contamination SELECT	Corrective acti	on	Comn	nents						
						SELECT]					
Was all moni guidance and c Data Reported 4 require imp	result in breach or cor toring carried out hecklists for Qualit I to the EPA? If no provement in addit	f licence requirements? If ymment section of Table W: in accordance with EPA ty of Aqueous Monitoring please detail what areas tional information box	res please provide bi 8 below External /internal Lab Quality checklist	Assessment of results checklist	No Yes		Additional information									
Table W3: Li	censea Emissi	ons to water and /o	r wastewater (s	ewerj-periodi	c monitoring (r	ion-continuous)										
Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision therof ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments	
SWD6	Water	Suspended Solids	discrete	Quarterly	30 minutes	35mg/l	All values < ELV	4	mg/L	yes	Gravimetric analysis	Other (please	SMEWW2540D	1.5		
		cluded as a reportable par- les (ELV) do not apply to yo		mnare results agai	inst FOS for Surface	water or relevant roo	entor quality standards									
		les (EEV) do not apply to ye	idi licelice please col	iipare resuits agai	ilist EQ3 for Surface	water of relevant rec										
Continuous of Does your site of		us emissions to water/sew	er monitoring?		No		Additional Information]							
	mmarise your con ssion Limit Value (tinuous monitoring data b ELV)	elow in Table W4 a	nd compare it to												
6 Did continuous i		nent experience downtime	? If yes please recor	d downtime in	SELECT]							
7 Do you have a p		ntract for each piece of co	ntinuous monitoring	equipment on	SELECT				1							
site? Did abatement s	system bypass occu	ur during the reporting yea	r? If yes please com	plete table W5					J							
below		erage emissions -cor			SELECT	J										
			ELV or trigger					% change +/- from]	
Emission	Emission		values in licence or any revision	Averaging	Compliance	Units of	Annual Emission for current	previous reporting vear	Monitoring Equipment	Number of ELV exceedences in						
reference no:	released to	Parameter/ Substance	thereof	Period	Criteria	measurement	reporting year (kg)	1	downtime (hours)	reporting year		Comn	nents			

-	AER Monitori	ng returns su	mmary template-WA	ATER/WASTEWA	ATER(SEWER)		Lic No:	W0011-02	Year	2016	
		SELECT	SELECT		SELECT	SELECT	SELECT				
		SELECT	SELECT		SELECT	SELECT	SELECT				

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

Table W5: Abatement system bypass reporting table

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

^{*}Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline tes	ting template				Lic No:	W0011-02		Year	2016					1
Bund testing		dropdown menu cli	ick to see options				Additional information	_						
Are you required by you	ır licence to undertake in	ntegrity testing on bunds and cont	ainment structures ? if yes p'	lease fill out table B1 below	listing all new bunds and									
		I bunds which failed the integrity			bunds must be listed in									
the table below, please	include all bunds outsid	e the licenced testing period (mo	bile bunds and chemstore inc	:luded)		Yes								
2 Please provide integrity	testing frequency period	d				3 years								
		erground pipelines (including store	mwater and foul), Tanks, sum	nps and containers? (contain	ers refers to "Chemstore"	·								
3 type units and mobile b	unds)					Yes								
4 How many bunds are or						(
		hin the required test schedule?												
6 How many mobile bund														
7 Are the mobile bunds in		schedule? ited within the required test sched	4.4.2			No N/a	Not applicable							
9 How many sumps on sit			Juler			, .		_						
.0 How many of these sun														
Please list any sump int							-							
11 Do all sumps and chaml						SELECT	N/A							
12 If yes to Q11 are these	failsafe systems included	in a maintenance and testing pro	gramme?			SELECT	N/A							
13 Is the Fire Water Retent	tion Pond included in you	ur integrity test programme?				SELECT	N/A							
				=										
Tabl	e B1: Summary details of	f bund /containment structure int	egrity test											
			A s	A .										
			A s	A .										
			A s	A .										Results of
			A s	A .					Integrity reports					retest(if in
Bund/Containment	_	s 16 au		1					maintained on		Integrity test failure		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	site? SELECT	Results of test SELECT	explanation <50 words	Corrective action taken SELECT	for retest	reporting year
	SELECT		+	+		SELECT				SELECT		SELECT		
* Capacity required should comp	ply with 25% or 110% containmen	t rule as detailed in your licence		-1			Commentary						1	
		nce with licence requirements an												
5 line with BS8007/EPA G				bunding and storage guideli	nes	SELECT SELECT								
6 Are channels/transfer s		nment systems tested? h integrity and available volume?				SELECT								
/ Are criamilers/ transfer s	ystems compilant in bot	ii iiitegiity aliu avallable volullie:				SELECT								
Pipeline/undergro	und structure testing							_						
		tegrity testing* on underground:												
 underground structures Please provide integrity 		hich failed the integrity test and a	II which have not been tester	a withing the integrity test	period as specified	SELECT SELECT								
		ness testing for process and foul	ninelines (as required under	vour licence)		SELECT		_						
picase note integrity t	esting means water tight	aress testing for process und rour	sipelines (as required under)	your necincey										
Table	B2: Summary details of p	pipeline/underground structures i	ntegrity test	1								_		
				Type of secondary										
				containment				Integrity test						
			Does this structure have			Integrity reports		failure explanation	Corrective action	Scheduled date	Results of retest(if in current			
			Secondary containment?		Type integrity testing	maintained on site?	Results of test	<50 words	taken	for retest	reporting year)			
Structure ID	Type system	Material of construction:				SELECT	SELECT				SELECT			
Structure ID	Type system SELECT	Material of construction: SELECT	SELECT	SELECT	SELECT	SELECT								
Structure ID			SELECT	SELECT	SELECT	SELECT								
Structure ID			SELECT	SELECT	SELECT	SELECT								
Structure ID			SELECT	SELECT	SELECT	SELECT								
Structure ID			SELECT	SELECT	SELECT	SELECT								
Structure ID			SELECT	SELECT	SELECT	SEECT	7							
Structure ID		SELECT	SELECT			36.66.1								

Groundwater/Soil monitoring template	Lic No:	W0011-02	Year 2016	
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Comments 1 Are you required to carry out groundwater monitoring as part of your licence requirements? Please provide an interpretation of groundwater monitoring data in the yes 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 Do you extract groundwater for use on site? If yes please specify use in comment include a groundwater/contaminated land monitoring results 3 section no interpretaion as an additional section in this AER Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is 4 there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Groundwater Report (link in cell G8) and submit separately through ALDER as monitoring a licensee return AND answer questions 5-12 below. template $_{\mathbf{5}}$ Is the contamination related to operations at the facility (either current and/or historic) 6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site 7 Please specify the proposed time frame for the remediation strategy N/A 8 Is there a licence condition to carry out/update ELRA for the site? yes 9 Has any type of risk assesment been carried out for the site? yes 10 Has a Conceptual Site Model been developed for the site? no 11 Have potential receptors been identified on and off site? yes 12 Is there evidence that contamination is migrating offsite? Acid Mine Drainage yes Please enter interpretation of data here

Table 1: Upgradient Groundwater monitoring results

Table 1.	Opgradient	Giodilawat	er monitoring	g i courto						
Date of sampling	Sample location reference	Parameter/ Substance		Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
Annual		Ammonical		_						
Average	G1/05	Nitrogen	Colourimetric	Quarterly	0.9	0.88	mg/l	0.15	IGV	no
Annual Average	G1/05	Chloride	Ion Chromatograph y	Quarterly	15	14.2	mg/l	30	IGV	no
Annual Average	G1/05	Conductivity	Electrometry	Quarterly	1444	1365	uS/cm @20 degrees C	1000	IGV	no
Annual Average	G1/05	Dissolved Oxygen	DO Probe	Quarterly	6.6	6	mg/l	No Abnormal Change	IGV	yes
Annual Average	G1/05	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	not applicable	IGV	no
Annual Average	G1/05	рН		Quarterly	4.1	3.9	pH units	6.5 - 9.5	IGV	yes
Annual Average	G1/05	Potassium	Ion Chromatograph y	Quarterly	2.5	2.2	mg/l	5	IGV	yes

Groundy	vater/Soil m	onitoring to	emplate		Lic No:	W0011-02		Year	2016		
			lon								
Annual Average	G1/05	Sodium	Chromatograph y	Quarterly	13	11.5	mg/l	150	IGV	yes	
7.vo.ago	0.,00	000.0	Ion	quartoriy			1116/1	.00		yes	-
Annual			Chromatograph								
Average	G1/05	Sulphate	у	Quarterly	1295	1077	mg/l		IGV	yes	_
			Heated					No			
Annual Average	G1/05	тос	Persulfate Oxidation	Quarterly	1.2	1.1	mg/l	Abnormal Change	IGV	no	
Annual	01/03	Ammonical	Oxidation	Quarterly	1.2	1.1	IIIg/I	Change	10 V	1110	-
Average	G2/05	Nitrogen	Colourimetric	Quarterly	<0.08	<0.08	mg/l	0.15	IGV	no	
			lon								
Annual Average	G2/05	Chloride	Chromatograph y	Quarterly	30	21	mg/l	30	IGV	no	
Annual	02/03	Onionac	y	Quarterly	30	21	IIIg/I	30	101	110	1
Average	G2/05	Conductivity	Electrometry	Quarterly	1266	1212	uS/cm @20 degrees C	1000	IGV	no	
A1		Dissolved						No			
Annual Average	G2/05	Oxygen	DO Probe	Quarterly	8.1	7.2	mg/l	Abnormal Change	IGV	yes	
Annual	02/00	Oxygon	5011050	Quartoriy	0.1	1.2	1116/1	not	101	yes	1
Average	G2/05	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	applicable	IGV	no	
Annual			Hydrogen ion selective								
Annual Average	G2/05	pН	Electrode	Quarterly	4.2	3.9	pH units	6.5 - 9.5	IGV	yes	
THERE		-	Ion				pri dinico			700	1
Annual	00/0=		Chromatograph				,,	_	101/		
Average	G2/05	Potassium	y Ion	Quarterly	1.9	1.6	mg/l	5	IGV	yes	4
Annual			Chromatograph								
Average	G2/05	Sodium	у	Quarterly	24	15	mg/l	150	IGV	yes	
A1			lon								
Annual Average	G2/05	Sulphate	Chromatograph y	Quarterly	840	829	mg/l	200	IGV	yes	
THERE			Heated				6/	No		700	1
Annual			Persulfate					Abnormal			
Average	G2/05	тос	Oxidation	Quarterly	1.2	1.1	mg/l	Change	IGV	no	
Annual			Distallation/		0.06	0.05					
Average	G2/05	Total Phenols	Colormetery	Quarterly			mg/l	0.5	IGV	no	
Annual Average	Twin Shafts	Ammonical Nitrogen	Colourimetric	Quarterly	0.18	0.1	mg/l	0.15	IGV	no	
, werage	· ······ Grianto	· iii. ogo	Ion	quartoriy	5.1.5	0	1116/1	00		110	1
Annual			Chromatograph								
Average Annual	Twin Shafts	Chloride	У	Quarterly	17	16	mg/l	30	IGV	no	4
Armuai	Twin Shafts	Conductivity	Electrometry	Quarterly	354	321	uS/cm @20 degrees C	1000	IGV	no	
THERE							us, om @ 20 degrees c	No			1
Annual	T : 01 - 61	Dissolved	DO D	0	0.0	7.4		Abnormal	101/		
Average Annual	Twin Shafts	Oxygen	DO Probe	Quarterly	8.8	7.1	mg/l	Change not	IGV	yes	4
Armuai	Twin Shafts	Odour	On Site	Quarterly	Odourless	Odourless	not applicable	applicable	IGV	no	
			Hydrogen ion	•			.,				1
Annual	Turin Ob-4	m1.1	selective	Ouerterly	6.5	6.4	-11	65.05	ICV		
Average	Twin Shafts	pН	Electrode Ion	Quarterly	6.5	6.4	pH units	6.5 - 9.5	IGV	yes	4
Annual			Chromatograph								
Average	Twin Shafts	Potassium	у	Quarterly	7	5	mg/l	5	IGV	yes]
•											

Ground	lwater/Soil m	onitoring to	emplate		Lic No:	W0011-02		Year	2016	
Annual			lon Chromatograph							
Average	Twin Shafts	Sodium		Quarterly	11	9	mg/l	150	IGV	yes
A = = = I			lon							
Annual Average	Twin Shafts	Sulphate	Chromatograph v	Quarterly	116	98	mg/l	200	IGV	yes
			Heated	,	-			No		7-2
Annual			Persulfate					Abnormal		
Average	Twin Shafts	TOC	Oxidation	Quarterly	1.9	1.7	mg/l	Change	IGV	no
Annual			Distallation/		<0.05	<0.05				
Average	Twin Shafts	Total Phenols	Colormetery	Quarterly			mg/l	0.5	IGV	no

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

Table 2: Downgradient Groundwater monitoring results

	Downgrauic			0						
										Universal Assessed in
										Upward trend in
										yearly average
										pollutant
	Sample									concentration
Date of	location	Parameter/		Monitoring	Maximum	Average				over last 5 years
sampling	reference	Substance	Methodology	frequency	Concentration	Concentration	unit	GTV's*	SELECT**	of monitoring data
							SELECT			SELECT
							SELECT			SELECT

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

Groundwater monitoring template

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

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

(see the link in G31)

**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)

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

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:	W0011-02	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 not agreed by EPA;	
2	ELRA review status	Review required and completed	Reviewed in 2015
			This is the highest cost
			scenario, the most likely scenarion is
3	Amount of Financial Provision cover required as determined by the latest ELRA	€1.5 m	€607,000.
3	Amount of Financial Frovision cover required as determined by the latest EENA	C1.5 III	6007,000.
4	Financial Provision for ELRA status	Required but not submitted	
	Thinking Trovision for Edity Status	nequired but not submitted	
5	Financial Provision for ELRA - amount of cover	€1.5 m	
			Wicklow County
			Council is currently
			reviewing their
			financial provision for
			the Ballymurtagh site in light
			of the ELRA report
6	Financial Provision for ELRA - type	Other please specify	2015
		,	
7	Financial provision for ELRA expiry date	Enter expiry date	
		Closure plan submitted and not	
8	Closure plan initial agreement status	agreed by EPA	
			Closure Plan
			submitted in March
9	Closure plan review status	Review required and completed	2013
10	Financial Provision for Closure status	Required but not submitted	
			Based on 30 years
11	Financial Provision for Closure - amount of cover	€1.5m	aftercare
			Council is currently
			reviewing their
12	Financial Provision for Closure type	Other please specify	financial provision for the Ballymurtagh site
12	Financial Provision for Closure - type	Other please specify	the Ballymurtagn Site

Council is currently reviewing their financial provision for the Ballymurtagh site in light of the ELRA report

Financial provision for Closure expiry date

	Environmental Management Programme/Continuous Improvement Programme	template	Lic No:	W0011-02	Year	201
	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	Increase run time of flare	80	Weekly balancing of Gas field	Individual	Reduced emissions				
Reduction of emissions to Wastewater	Install new gas wells in the waste body.	50	Ongoing	Individual	Installation of infrastructure				
Additional improvements	Improve Surface water run off from capped area of landfill	90	Increase the amount of drainage stone in open drains to prevent erosion	Individual	Improved Environmental Management Practices				
Additional improvements	Install an LEMP at the facility		Define Onbjectives and Targets and specify action dates	Individual	Improved Environmental Management Practices				
Additional improvements	Implement a condensate management program for LFG	90	Reduce all small diameter piping to flare, include on daily checklist	Individual	Improved Environmental Management Practices				
Groundwater protection	Implement new GW Screening recommendations	10	Target yet to begin	Individual	Improved Environmental Management Practices				
Additional improvements	Write an Accident Prevention procedure for Facility	90	Risk assesment carried out for the site.	Individual	Improved Environmental Management Practices				
Reduction of emissions to Water	Install Petrol/ Oil Interceptor on SW discharge to river	10	To be installed	Individual	Reduced emissions				

Noise monitoring summary report	Lic No:	W0011-02	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?	Noise Guidance note NG4	Yes		
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 survey?	the last noise	No		
			_	

Table N1: Noise monitoring summary											
Date of monitoring		Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA_{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
27/05/2015	30	NSL1	55	49.6	39.3	45.9	81.1	No	SELECT	Chain saw -Distance(9), Passing Aeroplane (2), Passing Van (4)	Yes
27/05/2015	30	NSL4	55	62.6	47.2	66.2	82.4	No	SELECT	Car Passing (59), Banging noise (13), Car Passing with trailer (12)	Yes

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

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

SELECT

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

Resource Usage/Energy efficiency summary

Lic No:

W0011-02

Enter date of audit

Year

2016

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

Industry Energy

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

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

INO	
CEL E CT	
SELECT	Not applicable

Additional information

not carried out

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)	6.3	7	.9	
Total Energy Generated (MWHrs)	0		0	
Total Renewable Energy Generated (N	0		0	
Electricity Consumption (MWHrs)	6.3	7	.9	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	0		0	
Light Fuel Oil (m3)	4.3	5	.5	
Natural gas (m3)	0		0	
Coal/Solid fuel (metric tonnes)	0		0	
Peat (metric tonnes)	0		0	
Renewable Biomass	0		0	
Renewable energy generated on site	0		0	

^{*} 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	Table R2 Water usage on site				Water Emissions	Water Consumption	
	Water extracted			Energy Consumption +/- % vs overall site	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	0	0					
Surface water	0	0					
Public supply	10.5	9.6			9.6	0	·
Recycled water	0	0					
Total	10.9	9.6					

^{*} 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	Table R3 Waste Stream Summary				
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

Resource Usage/Energy efficiency summary 2016 Lic No: W0011-02 Year Table R4: Energy Audit finding recommendations Description of Predicted energy Status and Date of audit Recommendations Measures proposed Origin of measures savings % Implementation date Responsibility Completion date 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				

Resolution

SELECT

SELECT

SELECT

SELECT SELECT Likelihood of reoccurence

SELECT

SELECT

SELECT SELECT SELECT

Complaints and Incidents summary template	ic No:	W0011-02	Year	2016		
Complaints						
	A	dditional informa	tion			
Have you received any environmental complaints in the current reporting year? If yes please complete summary						
details of complaints received on site in table 1 below No						
·	•					

Table	1 Complaints summary						
			Brief description of complaint (Free txt <20	Corrective action< 20			Further
Date	Category	Other type (please specify)	words)	words	Resolution status	Resolution date	information
Date	SELECT	Other type (picase specify)	wordsj	Words	SELECT	Nesolation date	iniormation
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
Total complaints open at start of reporting year Total new complaints received during reporting year	0						
Total complaints closed during reporting year	0						
Balance of complaints end of							
reporting year	0						

	Incidents			
				Additional information
Have any incidents occurred on site in the current repo	rting year? Please list all incid	ents for current reporting		
year in Tab	ole 2 below		No	
				<u>.</u>
*For information on how to report and what	What is an incident			

increase

Table 2 Incidents sur	nmary											
						Other	Activity in				Preventative	
			Incident category*please			cause(please	progress at			Corrective action<20	action <20	
ate of occurrence	Incident nature	Location of occurrence	refer to guidance	Receptor	Cause of incident	specify)	time of incident	Communication	Occurrence	words	words	F
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			S
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			S
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			S
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			S
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			S
otal number of												
cidents current												
ear	0											
otal number of												
ncidents previous												
ear	0											
% reduction/		1										
neroneo	0	1										

SELECT UNIT SELECT UNIT SELECT UNIT

0 16,000 sq.m

16,000 sq.m

WASTE SUMMARY					Lic No:	W0011-02		Year	2016		
SECTION A-PRTR O	N SITE WASTE TREATMENT AND	WASTE TRANSFERS TAB-	TO BE COMPLETED	BY ALL IPPC AND W	ASTE FACILITIES	PRTR facility logor	<u>1</u>	dropdown l	ist click to see options		
						_					
SECTION B- WASTE	ACCEPTED ONTO SITE-TO BE CO	MPLETED BY ALL IPPC AN	ID WASTE FACILITIES	5			Additional Information	on			
Were any wastes <u>accepte</u> to be captured through F	ed onto your site for recovery or disposal o	or treatment prior to recovery or o	disposal within the bounda	ries of your facility ?; (was	ste generated within your boundaries is	No					
If yes please enter details	s in table 1 below							- 1			
Did your site have any re	jected consignments of waste in the curren	nt reporting year? If yes please gi	ve a brief explanation in th	e additional information		No					
Wası	waste accepted onto your site that was ger	nerated outside the Republic of In	eland? If yes please state t	he quantity in tonnes in a	dditional information	No					
	f waste accepted onto your										
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	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/ - %	Reason for reduction/ increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting	Comments -
	European Waste Catalogue EWC codes		applies to relevant EWC code European Waste Catalogue EWC codes							year (tonnes)	
	OMPLETED BY ALL WASTE FACIL frastructure as required by your licence an	-	•			TES N/A]	
Is all waste storage infras	structure as required by your licence and a	pproved by the Agency in place?	If no please list waste stora	age infrastructure required	d on site	Yes]	
	elevant nuisance controls in place? anagement system in place for your facility	v? If no whv?				Yes No					
Do you maintain a sludge		,,.				N/A]	
	COMPLETED BY LANDFILL SITES C	ONLY]								
Table 2 Waste type	and tonnage-landfill only				1						
Waste types permitted	Authorised/licenced annual intake for	Actual intake for disposal in	Remaining licensed capacity at end of								
for disposal	disposal (tpa)	reporting year (tpa)	reporting year (m3)	Comments No tonnage for waste							
	, and the second		0	disposal							
-											
Table 3 General inf	ormation-Landfill only	ı	1	1	1						
Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste

Non Hazardous

Ballymurtagh Landfill

2003 No

MACTE CLIBARA DI	,				and the second s				
WASTE SUMMARY					Lic No:	W0011-02		Year	2016
Table 4 Environme	ental monitoring-landfill only	Landfill Manual-Monitoring Stan	dards						_
Was meterological monitoring in compliance with Landfill Directive (LD) standard in reporting tear +	Was leachate monitored in compliance with LD standard in reporting year			Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments	
/es	ves		Yes	Yes	Yes	No	No		1
	ll Manual linked above for relevant Landfill	Directive monitoring standards						•	•
Table 5 Capping-La	andfill only	_							
Area uncapped*	Area with temporary cap			Area with waste that should be permanently					
SELECT UNIT	SELECT UNIT	Area with final cap to LD Standard m2 ha, a		capped to date under licence	***				
0			Area capped other		What materials are used in the cap	Comments			
0 please note this include	oes daily cover area	16,000			GCL what materials are used in the cap	Comments	<u> </u>		
Γable 6 Leachate-L s leachate from your sit	L andfill only te treated in a Waste Water Treatment Plar	16,000 nt?				No]		
Γable 6 Leachate-L s leachate from your sit	Landfill only	16,000 nt?				No No	<u> </u>		
Γable 6 Leachate-L s leachate from your sit	L andfill only te treated in a Waste Water Treatment Plar	16,000 It? ate mass load information below Leachate (COD) mass load				No No Specify type of leachate treatment	Comments]	
Table 6 Leachate-L s leachate from your sit s leachate released to s Volume of leachate in	Landfill only te treated in a Waste Water Treatment Plar surface water? If yes please complete leach	16,000 It? ate mass load information below Leachate (COD) mass load	Leachate (NH4) mass	Leachate (Chloride)	GCL	No No Specify type of leachate	Comments]	
Table 6 Leachate-L s leachate from your sit s leachate released to s Volume of leachate in	Landfill only te treated in a Waste Water Treatment Plar surface water? If yes please complete leach	16,000 It? ate mass load information below Leachate (COD) mass load	Leachate (NH4) mass	Leachate (Chloride)	GCL	No No Specify type of leachate	Comments]	
Table 6 Leachate-L s leachate from your sit s leachate released to s Volume of leachate in	Landfill only te treated in a Waste Water Treatment Plar surface water? If yes please complete leach	t? ate mass load information below Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	GCL Leachate treatment on-site	No No Specify type of leachate	Comments]	
Table 6 Leachate-L s leachate from your sit s leachate released to s Volume of leachate in	Landfill only te treated in a Waste Water Treatment Plar surface water? If yes please complete leach Leachate (BOD) mass load (kg/annum) Please ensure that all information rep	t? ate mass load information below Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	GCL Leachate treatment on-site	No No Specify type of leachate	Comments]	
Table 6 Leachate-L s leachate from your sit s leachate released to s Volume of leachate in reporting year(m3)	Landfill only te treated in a Waste Water Treatment Plar surface water? If yes please complete leach Leachate (BOD) mass load (kg/annum) Please ensure that all information rep	t? ate mass load information below Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	GCL Leachate treatment on-site	No No Specify type of leachate	Comments]	
Table 6 Leachate-L s leachate from your sit s leachate released to s Volume of leachate in reporting year(m3)	Landfill only te treated in a Waste Water Treatment Plar surface water? If yes please complete leach Leachate (BOD) mass load (kg/annum) Please ensure that all information rep	t? ate mass load information below Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	GCL Leachate treatment on-site	No No Specify type of leachate	Comments		
Table 6 Leachate-L s leachate from your sit s leachate released to s Volume of leachate in reporting year(m3)	Landfill only te treated in a Waste Water Treatment Plar surface water? If yes please complete leach Leachate (BOD) mass load (kg/annum) Please ensure that all information rep	t? ate mass load information below Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	GCL Leachate treatment on-site	No No Specify type of leachate	Comments]	
Table 6 Leachate-L s leachate from your sit s leachate released to s Volume of leachate in reporting year(m3)	Landfill only te treated in a Waste Water Treatment Plar surface water? If yes please complete leach Leachate (BOD) mass load (kg/annum) Please ensure that all information rep	t? ate mass load information below Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum) consistent with the Landfil	Leachate (Chloride) mass load kg/annum	GCL Leachate treatment on-site	No No Specify type of leachate	Comments		
Fable 6 Leachate-Les leachate from your sit is leachate released to so Volume of leachate in reporting year(m3)	Landfill only te treated in a Waste Water Treatment Plar surface water? If yes please complete leach Leachate (BOD) mass load (kg/annum) Please ensure that all information rep as-Landfill only	t? ate mass load information below Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum) Consistent with the Landfil Was surface emissions monitoring performed	Leachate (Chloride) mass load kg/annum	GCL Leachate treatment on-site	No No Specify type of leachate	Comments		
Table 6 Leachate-L s leachate from your sit s leachate released to s Volume of leachate in reporting year(m3)	Landfill only te treated in a Waste Water Treatment Plar surface water? If yes please complete leach Leachate (BOD) mass load (kg/annum) Please ensure that all information rep as-Landfill only	t? ate mass load information below Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum) consistent with the Landfil	Leachate (Chloride) mass load kg/annum	GCL Leachate treatment on-site	No No Specify type of leachate	Comments		

Comments on liner type

nlined

Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR 2	2016
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1. FACILITY IDENTIFICATION

Parent Company Name	Wicklow County Council
Facility Name	Ballymurtagh Landfill Facility
PRTR Identification Number	W0011
Licence Number	W0011-02

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Ballymurtagh, Ballygahan Upper, Ballygahan Lower
Address 2	Tinnahinch
Address 3	
Address 4	
	Wicklow
Country	
Coordinates of Location	-6.22452 52.8711
River Basin District	IEEA
NACE Code	
Main Economic Activity	Recovery of sorted materials

AER Returns Contact Name	Robert Kelly
AER Returns Contact Email Address	rkelly@wicklowcoco.ie
AER Returns Contact Position	Senior Executive Technician
AER Returns Contact Telephone Number	0404 20127
AER Returns Contact Mobile Phone Number	086 8517617
AER Returns Contact Fax Number	0404 67792
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	2
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

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

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

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

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

? No

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

SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

	RELEASES TO AIR		
		POLLUTANT	
	No. Annex II	Name	M/C/E
01		Methane (CH4)	С
03		Carbon dioxide (CO2)	С

^{*} 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	
	POLLUTANT	
No. Annex II	Name	M/C/E

^{*} 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			
	POLLUTANT		
Pollutant No.	Name	M/C/E	
		- '	

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

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill:	Ballymurtagh Landfill Facility	
Please enter summary data on the quantities of methane flared and / or utilised		
	T (Total) kg/Year	M/C/E
Total estimated methane generation (as per		
site model)	317608.832	С
Methane flared	110075.817	M
Methane utilised in engine/s	0.0	
Net methane emission (as reported in Section		
A above)	207533.015	С

	Please enter all quantities in this section in KGs						
METHOD			QUANTITY				
	Method Used						
Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year		
	Gas Sim 2.5 & Emissions						
OTH	from flare	2246.435	207533.015	0.0	205286.58		
	Gas Sim 2.5 & Emissions						
OTH	from flare	7596.257	685562.985	0.0	677966.728		

Please enter all quantities in this section in KGs					
ME	METHOD QUANTITY				
	Method Used				
Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
		0.0	0	.0 0.0	0.0

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

Me	thod Used		
Mathad Cada	Designation or	Facility Total Capacity m	1 <mark>3</mark>
Method Code	Description	per hour	_
ОТН	Gassim 2.5	N/A	
OTH	Flare Data	500	0.0 (Total Flaring Capacity)
		(0.0 (Total Utilising Capacity)
ОТН	Methane generated - flared d	N/A	

SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater

RELEASES TO WATERS					
PO	LLUTANT				
				Method Used	
No. Annex II	Name	M/C/E	Method Code	Designation or Description	

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

SECTION B: REMAINING PRTR POLLUTANTS

	RELEASES TO WATERS			
POL	LUTANT			
				Method Used
No. Annex II	Name	M/C/E	Method Code	Designation or Description

^{*} 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			
PO	LLUTANT			
				Method Used
Pollutant No.	Name	M/C/E	Method Code	Designation or Description

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

r, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

Please enter all quantities in this section in KGs						
QUANTITY						
Emission Point 1	T (Total) I	(G/Year A (A	Accidental) KG/Year	F (Fugitive) KG/Year		
	0.0	0.0	0.0	0.0		

Please enter all quantities in this section in KGs						
QUANTITY						
Emission Point 1	T (Total)	KG/Year A ((Accidental) KG/Year	F (Fugitive) KG/Year		
	0.0	0.0	0.0	0.0		

Please enter all quantities in this section in KGs						
QUANTITY						
Emission Point 1	T (Total) k	KG/Year A (Accide	ental) KG/Year	F (Fugitive) KG/Year		
	0.0	0.0	0.0	0.0		

SECTION A: PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER				
POLLUTANT				METHO
				Meth
No. Annex II		Name	M/C/E	Method Code

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER				
POLLUTANT				METHO
				Meth
Pollutant No.		Name	M/C/E	Method Code

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

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

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

SECTION A: PRTR POLLUTANTS

			RELEASES TO LAND		
	PO	LLUTANT			METHO
					Meth
No. Annex II		Name		M/C/E	Method Code

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

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

POLLUTANT			METHO		
			Meth		
Pollutant No.	Name	M/C/E	Method Code		

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

Please enter all quantities in this section in KGs					
D	QUANTITY				
nod Used					
Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year		
	0.0	0.0	0.0		

Please enter all quantities in this section in KGs						
D	QUANTITY					
nod Used						
Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year			
	0.0	0.0	0.0			

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

PRTR#: W0011 | Facility Name: Ballymurtagh Landfill Facility | Filename: Ballymurtagh 2016 AER.xls | Return

Please enter all quantities on this sheet in Tonnes

Please enter all quantities on this sheet in Tonnes							
Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation		Method Used Method Used
				mineral-based non-chlorinated engine, gear			
Within the Country	13 02 05	Yes	2.3	and lubricating oils	R9	М	Weighed
The Godnery		. 55	2.3				
Within the Country	15 01 01	No	65.0	paper and cardboard packaging	R3	М	Weighed
•							
Within the Country	15 01 02	No	20.18	plastic packaging	R13	M	Weighed
Within the Country	15 01 04	No	16.55	metallic packaging	R4	M	Weighed
						_	
Within the Country	15 01 05	No	7.22	composite packaging	R13	С	Volume Calculation
Within the Country	15 01 07	No	7/1 7/	glass packaging	R5	M	Weighed
within the Country	15 01 07	INU	74.74	giass packaging	N.J	IVI	vveigned
Within the Country	16 06 01	Yes	2.8	lead batteries	R4	M	Weighed
,							5
Within the Country	16 06 04	No	0.68	alkaline batteries (except 16 06 03)	R4	M	Weighed

Within the Country	20 01 01	No	106.0 paper and cardboard	R3	M	Weighed
Within the Country	20 01 01	No	0.0 paper and cardboard	R3	M	Weighed
Within the Country	20 01 01	No	0.0 paper and cardboard	R3	M	Weighed
To Other Countries	20 01 11	No	27.52 textiles	R3	M	Weighed
Within the Country	20 01 21	Yes	fluorescent tubes and other mercury- 0.19 containing waste	R4	M	Weighed
To Other Countries	20 01 25	No	0.3 edible oil and fat	R1	М	Volume Calculation
			batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these			
Within the Country	20 01 33	Yes	0.16 batteries	R4	M	Weighed
Within the Country	20 01 40	No	65.86 metals	R4	M	Weighed
Within the Country	20 03 01	No	11.6 mixed municipal waste	D1	M	Weighed

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

Link to previous years waste data

Link to previous years waste summary data & percentage change
Link to Waste Guidance

2

				3
Location of	Haz Waste: Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste: Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
Treatment				
Heatment			Enva,W184-01,Clonmanon	
		Clonmannon Industrial Estate,,Portlaoise,Co.	Industrial	Clonmanon Industrial Est.,.,Portlaoise,Co.Laois,Irela
Offsite in Ireland	ENVA,W184-01	Laois, Ireland	nd	nd
	Irish Packaging	Ballymount Road		
Offsite in Ireland	Recycling,W0263-01	Lower,.,Dublin ,.,Ireland .,.,Castleblaney,Co.		
Offsite in Ireland	Shabra Plastics,	Monaghan,Ireland		
Offsite in Ireland	Glassco Ltd.,WP247/2006	.,.,Naas,Co. Kildare,Ireland Ballymount		
	Irish Packaging Recycling	Road, Walkinstown, Dublin		
Offsite in Ireland	(Panda Waste),W0263-01	,12,Ireland		
Offsite in Ireland	Glassco Ltd.,WP247/2006	.,.,Naas,Co. Kildare,Ireland	Recycling Village,WP	
		.,.,Monisterboice,Co.Louth,Ir	2007/20,.,,,Monisterboice,Co	.,.,Monisterboice,Co.Louth,Ir
Offsite in Ireland	Recycling Village, WP 2007/20	eland	.Louth,Ireland	eland
		Cappincur Ind.Est.,Daingean		
	KMK Metals Recycling	Road, Tullamore, Co. Offaly, Irel		
Offsite in Ireland	Ltd,W0113-04	and		

ı Year : 2016 |

Offsite in Ireland	Greenstar,W0053-03	.,Fassaroe,Bray,Co.Wicklow,Ir eland Ballymount		
Offsite in Ireland	Irish Packaging Recycling (Panda Waste), W0263-01	Road, Walkinstown, Dublin ,12, Ireland Rosslare		
Offsite in Ireland	WCDA Wexford 2000,WFP- WX-09-0004-01	rd.,.,Wexford,Co.Wexford,Irel and		
Abroad	Cookstown Textiles,.	.,.,Cookstown ,Co.Tyrone,United Kingdom	KMK Metals Recycling Ltd., W0113-04, Cappincur	Cappincur Ind.
	KMK Metals Recycling	Cappincur Ind.Est., Daingean Road, Tullamore, Co. Offaly, Irel	Ind. Estate,Daingean Road,Tullamore,Co.	Estate,Daingean Road,Tullamore,Co.
Offsite in Ireland	Ltd,W0113-04	and	Offaly,Ireland	Offaly,Ireland
Abroad	Frylite,.	.,.,.,Belfast,United Kingdom	KMK Metals Recycling Ltd., W0113-04, Cappincur	Cappincur Ind.
		Cappincur Ind.Est.,Daingean	Ind. Estate, Daingean	Estate, Daingean
Offsite in Ireland	KMK Metals Recycling Ltd,W0113-04	Road, Tullamore, Co. Offaly, Irel and Croghan Industrial	Road,Tullamore,Co. Offaly,Ireland	Road, Tullamore, Co. Offaly, Ireland
Offsite in Ireland	Leon Recycling,WP/ESS/15/8/12	Estate,.,Arklow,Co.Wicklow,Ir eland Croghan Industrial		
Offsite in Ireland	Leon Recycling,WP/ESS/15/8/12	Estate,.,Arklow,Co.Wicklow,Ir eland		