National Grid Reference (6E, 6 N)	Class/Classes of Activity	NACE Code	Sile Location	Name of site	Licence Register Number	AER Reporting Year	Facility Information Summary
E271,000 N168,800	A2	3821	Powerstown, County Carlow	Powerstown Landfill	W0025-04	2016	ıry

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.

The results of the annual noise survey are presented in this document. A PRTR was completed for te site and submitted as part of the AER for 2016. consultation with the EPA. Quarterly complaince monitoring reports were submitted to the EPA in relation to groundwater, surface water, leachate, of this report. An SEW was submitted to the EPA during 2016 in relation to temporary capping at the site. This project is currently under rewiew in maintenance of haul roads and banks. All complaints and incidents for the site for the 2016 reporting year are presented in the appropriate section further treatment. Other material accepted included clay, soil and stones, ash and c&d fines. These materials were used as daily cover material and was accepted from the general public, Kilkenny Co. Co. and Carlow Co. Co. At the end of 2016 over 64,000 tonnes of material had been accepted at the site. 47,000 of this was waste that was landfilled. 995tonnes of material was accepted through the recycling centre and removed from site for dust and landfill gas monitoring. Two rounds of VOC surface emissions were completed durign 2016 and annual flare monitoring was completed. commercial hauliers, local authorities and general public. From August to December 2016 waste was not accepted from commercial hauliers but Powerstown Landfill accepted waste to landfill for the duration of 2016. During the period January to July 2016 waste was accepted from

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.

OHOLIT

Signature
Group/Facility manager
(or nominated, suitably qualified and experienced deputy)

Was all monitoring carried out in accordance with EPA guidance monitoring note AG2 and using the basic air monitoring checklist? checklist AGN2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below	Periodic/Non-Continuous Monitoring	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If you do not have licenced emissions and do not complete a solvent management plan (table A4 and A5) you do not need to complete the tables		AIR-summary template Answer all questions and complete all tables where relevant
Yes	No		Yes		Lic No:
					W0025-04
			LFGF1	Additional information	Year
					2016

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

	Fluorit LFGF1 compo	LFGF1 Compo	LFGF1 compo	LFGF1 (SOx/SO2)	LFGF1 Carbo	LFGF1 (NOx)	Emission Para
SELECT	Fluorine and inorganic compounds (as HF)	Chlorine and inorganic compounds (as HCl)	Volatile organic compounds (as TOC)		Carbon monoxide (CO)	Nitrogen oxides (NOx/NO2)	Parameter/ Substance Monitoring
annual	annual	annual	annual	annual	annual	annual	Frequency of Monitoring
10						150	ELV in licence or any revision therof
SELECT				SELECT	SELECT	No 30min mean can exceed 150 the ELV	Licence Compliance criteria
	62		<0.19	964.15	<1.7	65.93	Unit of Measured value measurement
SELECT	mg/Nm3	mg/Nm3	mg/Nm3	964.15 mg/Nm3	mg/Nm3	mg/Nm3	Unit of measurement
LOSTES				SELECT	SELECT	SELECT	Compliant with
3	ОТН	ОТН	ОТН	ОТН	OTH	ОТН	Annual n Method of analysis load (kg)
	<0.9	<0.8	12.6	4374.8	<7.7	299.2	nass
							Comments -reason for change in % mass load from previous year if applicable

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

AIR-summary template Continuous Monitoring	Lic No:	W0025-04 Year	2016
CONTINUOUS MONITOLINE			
2		Continuous Monitoring carried out at Landfill Flare LFGF1, for temperature, flow, CH4, CO2, CO, O2. There are no ELV	
Does your site carry out continuous air emissions monitoring?	Yes	for these parameters. The results were summarised and incorporated into the landfill gas survey for the site.	
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 N	No		
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 STable A2: Summary of average emissions -continuous monitoring	SELECT	NA	

Parameter/ Substance		Averaging Period	Averaging Period Compliance Criteria	Units of	Annual Emission	Annual maximum	Monitoring	Number of ELV Comment	Comme
				measurement			Equipment	exceedences in	
	ELV in licence or any						downtime (hours) current	current	
	revision therof							reporting year	
SELECT			SELECT	SELECT					
SELECT									
01110				SELECT					
SELECT				SELECT					
SELECT				SELECT					
SELECT				0					
טרורכו				SELECT					

Table A3: Abatement system bypass reporting table

Date* | Duration** (hours) | Location |

Bypass protocol
Reason for bypass

Impact magnitude

Corrective action

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

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

Solvent use and management on site Total VOC Emission limit value Reporting year Total solvent input on site (kg) Table A5: Solvent Management Plan Summary Reporting Year Total VOC Emission limit value Total VOC Emissions Input on site (kg) Site (kg) (I) Inputs (kg) Corganic solvent water (kg) Solvent (kg) Organic solvent (kg) Solvent (kg) Organic solvent (kg) Collected waste solvent (kg) Occumissions on site? If yes please fill out tables and As Solvent Input please refer to linked solvent input on complete table 5. Fotal VOC Emission Limit Value emissions as %of site (direct and fugitive) Total VOC emissions as %of therof Total Emission Limit Value (ELV) in licence or any revision waster (kg) Collected waste solvent (kg) Occurrence (kg)	Coloring Complete	rempiace
In Summary Solvent Solvent Solvent Solvent Solvent Solvent Solvent Solvent Site (direct and fugitive) Solvent input Solvent input Solvent input Solvent Solv		
Solvent Solvent input		
Please refer to linked solvent regulations to complete table 5 and 6 Total Emission Limit Value (ELV) in licence or any revision therof Collected waste solvent (kg) Fugitive Organic Solvent (kg)		
d AS olvent regulations to ole 5 and 6 Compliance SELECT SELECT SELECT SUBJECT SELECT SOlvent (kg)	Lic No:	Lic No:
No Solvent released in Solvents destro	W0025-04	W0025-04
No Solvent released in Solvents destroyed other ways e.g. by- onsite through		
d Total emission of Solvent to air (kg)	Year	Year
	2016	2016

u

						T	T				- m	7 4	4 00	w	_		_	٦.				2		
SWLO	SWLO	SWLO	SWLO	SWLO	SWLO	SWLO	SWLO	SWLO	SWLO	SWLO	Emission reference no:	able W3: Lic	Was all monit guidance and ch Data Reported require impr	Was there any I	icensed Emi		Reference	Tab		Location	Idble	Was it a requi discharges or summaris	Does your sit please com, further questic	
Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Emission released to	ensed Emissi	oring carried out necklists for Quali to the EPA? If no rovement in addi	result in breach o cor	ssions to wat		Date of inspection	le W2 Visual i	SELECT	relative to site activities SELECT	WI STOTIN WA	rement of your watercourses or ing only any evi	e have licensed plete table W2 ons. If you do no W2 for	
Sulphate	Orthophosphate (P)	вор	Temperature	Suspended Solids	PH	Chlorides (as Cl)	COD	Conductivity	Dissolved Oxygen	Ammonia (as N)	Parameter/ SubstanceNote 1	Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below	Licensed Emissions to water and /or wastewater(sewer)-periodic monitoring (non-continuous)			Tringer values may be agreed by the Agency outside of licence conditions Table W2 Visual inspections-Please only enter details where contamination was observed.	SELECT	PRTR Parameter	lable wit storm water monitoring	Was it a requirement of your licence to carry out visual inspections on any surface water distributes or watercourses on or near your site? If yes please complete table WD below summarising only any evidence of contamination noted during visual inspections. This WI Community and the statement of the statement	Does your alte have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licenced emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections	
discrete	discrete	discrete	discrete	discrete	discrete	discrete	discrete	discrete	discrete	discrete	Type of sample	wastewater (se	External /Internal Lab Quality checklist	/es please provide l 3 below	er(sewer)-peri		Description of contamination	ly enter details	SELECT	Licenced Parameter SELECT		I inspections on a s please complete noted during visua	ce water or direct rrent reporting ye 1s you <u>only</u> need t and visual inspect	
annually	annually	quarterly	quarterly	quarterly	quarterly	quarterly	quarterly	quarterly	quarterly	quarterly	Frequency of monitoring	ewer)-periodic	Assessment of results checklist	brief details in the	odic monitorin		ntamination	where contar		Monitoring date		ny surface water table W2 below al inspections	to sewer? If yes ar and answer co complete table clons	
											Averaging period	monitoring (no	Yes	No	g (non-continu			nination was o		level in licence or any revision thereof*	ELV or trigger	Yes	Yes	
250	0.035		25	35	6.5 - 9.5	50		1000		0.5	ELV or trigger values in licence or any revision therof ^{tions 2}	on-continuous)			ous)	SELECT	Source of contamination	bserved.	SELECT	2		z	Licensed Emiss	
				<35 ELV							Licence Compliance criteria			Additional information			Corrective action			Measured value		No evidence of any contamination	Licensed Emissions from Surface Water Pond Outlet (SWLO)	Additional information
32.9	<0.01	1.5	13.3	6.25	7.5	23.4	11.25	623	10.65	0.075	Measured value						eaction		SELECT	Unit of measurement		nation	ond Outlet (SWLO)	
mg/L	mg/l	mg/L	degrees C	mg/L	pH units	mg/L	mg/L	μS/cm@25oC	mg/L	mg/L	Unit of measurement						Col		SELECT	Con				l
yes			yes	yes	yes	yes		yes		yes	Compliant with						Comments			h Comments				9107
DISCRETE METHODS	DISCRETE METHODS	Dissolved Oxygen Meter (Electrode)	Thermometry	Gravimetric analysis	pH Meter (Electrode)	DISCRETE METHODS	Digestion + Spectrophotometry	Conductivity Meter (Electrode)	Dissolved Oxygen Meter (Electrode)	DISCRETE METHODS	Method of analysis			J				I	Ш					16
APHA / AWWA "Standard	APHA / AWWA "Standard Methods"	APHA / AWWA "Standard Methods"		APHA / AWWA "Standard Methods"		APHA / AWWA "Standard Methods"	Procedural reference source																	
											Procedural reference e standard number													
											Annual mass load (kg)													
annual results	annual results	Averaged quarterly results.	Averaged quarterly results.	Averaged quarterly results.	Averaged quarterly results.	Averaged quarterly results.	Averaged quarterly results.	Averaged quarterly results.	Averaged quarterly results.	Averaged quarterly results	Comments													

Total O Total O Total O Values (FLV)		ALK Monitoring returns summary template-WATER/WASTEWATER(SEWER) SWIO Water Alkalioity Alkalioity Alkalioity Alkalioity Alkalioity
8.69 mg/L at the inlet and the there is no ELV set in	Water	Alkalinity
Note: 1: Volument (flow shall be included as a reportable parameter Note: 2: Where Emission Umit Volument (flow shall be included as a reportable parameter) Note: 2: Where Emission Umit Volument (flow shall be included as a reportable parameter) Additional information Continuous monitoring Continuous monitoring Continuous monitoring Continuous emissions to water/sewer monitoring? Yes Continuous monitoring to TOC is carried out at the index and the outlier of the surface water pond. However, there is no EtV sat in the licence (For TOC.)	Water	Total Oxidised Nitroge (TON)
Rice 1: Volumetric flow shall be included as a reportable parameter. Note 2: Where Cristian Unit Volues (EV) do not apire to your license please compare results against EQS for Surface water or elevant receptor quality arandoms. Continuous monitoring Continuous monitoring Continuous monitoring Continuous emissions to water/sewer monitoring? Continuous monitoring for TOC is carried out at the inlet and the outlier of the surface water poid. However, there is no EV set in the license (For TOC.)		
Note 2. Where finishin limit values (EU) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards. Additional information Additional information Continuous monitoring Continuous monitoring for TOC is carried out at the linet and the outer the surface water pond. However, there is no ELV set in the licence for TOC.	metric flow shall be in	included as a reportable p
Continuous monitoring Additional information Continuous monitoring to water/sewer monitoring? Continuous monitoring for TOC is carried out at the inlet and the outlet of the surface water pond. However, there is no ELY sat in the licence for TOC.	ere Emission Limit Valu	lues (ELV) do not apply to
Yes	us monitoring	
	ite carry out continuo	ous emissions to water/se
	ous monitoring equipn low : a proactive service co	ment experience downtin
g Did continuous monitoring equipment experience downtime? If yes please record downtime in No but W4 below Ho you have a proactive service contract for each piece of continuous monitoring equipment on Yes	ent system bypass occi	cur during the reporting y
	: Summary of ave	erage emissions -cor
No Yes Yes W/A W/A Annual Emission for previous reporting Monitoring Guipment (legtent reporting year year year decipional deci	SELECT	Parameter/ Substance
No	SELECT	Parameter/ Substance SELECT

Table W5: Abatement system bypass reporting table

Date Duration (hours) location Resultant emissions

Reason for bypass

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template		Lic No:	W0025-04		Year	2016				
Bund testing dropdown menu click to see options	ick to see options			Additional information						
Are your required by your fleence to undertate integrity resting on bands and containment structures? If yes please fill out table B1 below listing all new bunds and containment structures on site, in addition to all bands which field the integrity rest all banding structures which failed including mobile bunds must be listed in the table below. <u>Pleases findical all bands outfields the finemed testing food (mobile bands and pleasmone</u> included).	inment structures? If yes please fill out tablest-all bunding structures which failed in ohle hunds and chemstore included)	le B1 below listing all new bunds and cluding mobile bunds must be listed in	900	Condition 6.9 of licence requires bunding structures to be tested	sted					
2 Please provide integrity testing frequency period			3 years	every 3 years. Testing will be due in 2017						
Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore"	water and foul), Tanks, sumps and containe	ers? (containers refers to "Chemstore"			_					
type units and mobile bunds) How many bunds are on site?			No							
5 How many of these bunds have been tested within the required test schedule?				3 1 bund around leachate tank, 1 leachate lagoon, 1 bund around heating oil	und heating oil					
6 How many mobile bunds are on site?				O Suite at use till som will be inclined ill 2017 festille						
7 Are the mobile bunds included in the bund test schedule?			N/A							
9 How many sumps on site are included in the integrity test schedule?	ler		N/A							
10. How many of these sumps are integrify tested within the test schedule?			N1/A	0						
Please list any sump integrity failures in table B1			N/A							
11 Do all sumps and chambers have high level liquid alarms?			No							
12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	ramme?		SELECT							
13 Is the Fire Water Retention Pond included in your integrity test programme?	À		N/A		Ц					
Table B1: Summary details of bund /containment structure integrity test	egrity test									
Bund/Containment						Integrity reports				Results of retest(if in
LT Leachate Tank reinforced concrete glass lined	Product containment Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date		Results of test ex	explanation <50 words	Corrective action taken	for retest reporting year
on other (please specify)	Leachate	026			Dec 2013 / Jan 2014 Yes		Pass		SELECT	2017
*Capacity required should comply with 25% or 110% containment rule as detailed in your licence			in an annual contraction	Commentary	Dec 2013 / Jan 2014 Yes	Yes Pass	SS			2017
15 line with 858007/EPA Guidance?		bunding and storage guidelines	Yes							
16 Are channels/transfer systems to remote containment systems tested?			No		1					
 Are channels/transfer systems compliant in both integrity and available volume? 			SELECT		Ц					
Pipeline/underground structure testing										
Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc? If yes please fill out table 2 below listing all	uctures e.g. pipelines or sumps etc? if yes p	please fill out table 2 below listing all								
2 Please provide integrity testing frequency period			3 years							
Table B2: Summany details of pipeline/underground structures integrity test	peimes (as required under your licence) Itegrify test									
	Type of s	Type of secondary								
	conta	containment								
			Integrity reports		Integrity test failure explanation Corrective action		Scheduled date Re	Results of retest(if in current		
SELECT SELECT SELECT	ary containment?	Type inte	maintained on site?	Results of test	<50 words	Carr		reporting year)		
	355501	SELECT	SELECT	SELECT			SE	SELECT		
Please use comm	Please use commentary for additional details not answered by tables/ nuestions above	ku taklar / mioetione ahova								
		- A contract description of the contract of								

-

5 Is the contamination related to operations at the facility (either current and/or historic) 6	4 Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit Groundwater separately through ALDER as a licensee return AND answer questions 5- monitoring 12 below.	Are you required to carry out groundwater monitoring as part of your licence requirements? 2 Are you required to carry out soil monitoring as part of your licence requirements? 3 Do you extract groundwater for use on site? If yes please specify use in comment section	Groundwater/Soil monitoring template Lic No:
yes	yes	no no	W0025-04
Capping of unlined cells	A Tier 3 risk assessment for Powerstown Landfill was submitted to the EPA. This report contains the requirement of the groundwater monitoring template and the conceptual site model.		Comments
were det were within was comp GW1, GW2		Please provide an interpret interpretation box below or a groundwater/contaminate additi	Year 2016
were detected at GW1, GW2, GW8 and RCA2. All other parameters were within the respective GTVs. During Q3 the annual monitoring event was completed. The following wells exceeded the GTV for ammonia: GW1, GW2, GW3, GW7, GW8, RCA1, RCA2, BH1, BH2. During Q4, RCA1 was the only well that exceeded the GTV for ammonia.	Groundwater quality results were submitted to the EPA during 2016 in the form of quarterly and annual groundwater compliance monitoring reports. Quarterly groundwater monitoring results for Powerstown Landfill were compared to S.I. No 9 of 2010 for the 4 monitoring events. Groundwater results were also compared to groundwater trigger levels (GTLs) for the site. Following the completion of the Tier 3 risk Assessment report, groundwater compliance values were derived for BH1, BH2, BH3 and GW8 which supersede previous groundwater trigger levels. During Q1 2016 ammonia in excess of the GTV was detected at BH2, GW2 and RCA1. Conductivity in excess of the GTV was detected at BH2, GW1, GW2, RCA1. During Q2 ammonia levels in excess of the GTV	Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretation as an additional section in this AFR	

9
Has any type of risk assesment been carried out for the site?
10 Has a Conceptual Site Model been developed for the site?
11 Have potential receptors been identified on and off site?
12 Is there evidence that contamination is migrating offsite?

yes N/A 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
8 Is there a licence condition to carry out/update ELRA for the site?

yes SELECT SELECT

Tier 3 Risk assessment

submitted to EPA

section 9 of the Tier 3
Risk assessment are
currently being carried

completed. Tier 3 Risk Assessment completed. Recommendations as per

Stream and groundwater

monitoring.

out for the Powerstown

_

aroundw	/ater/Soil m	Groundwater/Soil monitoring template	ate		Lic No:	W0025-04		Year	2016	
Table 1: I	Upgradient	Table 1: Upgradient Groundwater monitoring results	onitoring resu	ılts						
										Inward translin
										pollutant
Date of	Sample	Daramatar								concentration
sampling	reference	Substance	Methodology	Monitoring	Maximum Concentration++	Average	ř			over last 5 years of
2016 RCA2	RCA2	Ammonia (as N)	- 1	quarterly	0.29		allic		\perp	monitoring data
		chloride		quarterly	37.04		mg/l			no
		Dissolved Oxygen		quarterly	0.05	o n		107.0	21 NO 2 COTO	5
		Conductivity		quarterly	738		IIS/cm	1075	1000000	
		рН		quarterly	7.4		pH units			0
		Temp		quarterly	14.3	13.5	00			no
		TOC		quarterly	410	3.33	mg/l			no
		boron		annually	0.06		ug/l	750 S	J No 9 2010	no
		cadmium		annually	<20		ug/l	3.75 S	No 9 2010	no li
		calcium		annually	120.4		mg/l			no
		total chromium		annually	<20		ug/l	37.5 S	I No 9 2010	no
		iron		annually	174		ug/l			no
		lead		annually	<20		ug/l	18.75 S	.I No 9 2010	no
		magnesium		annually	15.3		ug/l			no
		manganese		annually	34		ug/l			no
		nickel		annually	<20		ug/l	15 S	.I No 9 2010	no
		potassium		annually	1.97		mg/l			no
		sodium		annually	8.13		mg/l	150 S.	I No 9 2010	no
		zinc		annually	28		l/gu			no
		fluoride		annually	<0.02		mg/l			no
		mercury		annually	<10		ug/l	0.75 S.	I No 9 2010	no
		sulphate		annually	40.14		mg/l	187.5 S.	No 9 2010	no
		total alkalinity		annually	355.72		mg/l			no
		CN		annually	3.17		mg/l		1	no

SELECT

SELECT

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

roundy	vater/Soil m	Groundwater/Soil monitoring template	ate		Lic No:	W0025-04		Year	2016	
ble 2:	Downgradie	Table 2: Downgradient Groundwater monitoring results	monitoring r	esults						
										Upward trend in
										yearly average
)									pollutant
2	Sample									concentration
Date of	location	Parameter/		Monitoring	Maximum	Average				over last 5 years of
sampling	rererence	Substance	Methodology	frequency	Concentration	Concentration	unit	GTV's*	SELECT**	monitoring data
SAAS 9TO7	8MD	Ammonia (as N)		quarterly	10.48	2.91	mg/l	0.175	S.I No 9 2010	no
		chloride		quarterly	39.57	26.36	mg/l	187.5		no
		Dissolved Oxygen		quarterly	4.94	3.88	mg/l			no
		Conductivity		quarterly	843	710	uS/cm	1875	S.I No 9 2010	no
		PH		quarterly	7.1	7	pH units			no
		Temp		quarterly	13.8	12.7	oc			no
		TOC		quarterly	128	17.8	mg/l			no
		boron		annually	0.11		ug/l	750 9	S.I No 9 2010	no
		cadmium		annually	<20		ug/l	٠. ١		no
		calcium		annually	102		mg/l			no
		total chromium		annually	<1.0		ug/i	37.5	S.I No 9 2010	no
		iron		annually	97		ug/l			no
		lead		annually	<20		ug/l	18.75	S.I No 9 2010	no
		magnesium		annually	21.6		l/gu			no
		manganese		annually	<20		l/gu			no
		nickel		annually	<20		ug/l	15 S	S.I No 9 2010	no
		potassium		annually	18.4		mg/l	_		no
		sodium		annually	21.4		mg/l	150 S	S.I No 9 2010	no
		zinc		annually	39		ug/l			no
		mercury		annually	<10		ug/l	0.75 S	S.I No 9 2010	no
_							SELECT			SELECT
								-	_	

Groundwater/Soil monitoring template *please note exceedance of generic assessment criteria.	onitoring template	AC) such as a G	roundwater Three	Lic No:	W0025-04		Year	2016	
*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	eneric assessment criteria l ndicates that further interp deline Template Report at t	SAC) such as a G station of monito e link provided a	roundwater Thre rring results is re nd submit separ EPA.	eshold Value (GTV) or quired. In addition to ately through ALDER	an Interim Guidelin completing the abo as a licensee return	ease note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an interim Guideline Value (IGV) or an upward tre In results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the pundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by t EPA.		Groundwater monitoring template	
More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)	of soil and groundwater star Is is available in the EPA pub	dards/ generic as ished guidance (sessment criteri			Guidance on the Management of Contaminated Land and Groundwester.			
**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)		0	see the link in	Gainglice	I the Managemen	St. Soliterilliment rough diff.		t EPA Licensed Sites (EPA 2013).	
Table 3: Soil results	he site and proximity to oth to surface water compare t	r sensitive recep	tors alternative in invironmental Q	Galuatice of Galuatice of Galuatics of Galuatics (SWE cardards (SWE))	Quality standards s	Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to t 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_	EPA licensed Sites (EPA 2013). Groundwater Drinking water regulations (private supply).	Drinking water (public
	to surface water compare t	r sensitive recep Surface Water E	tors afternative for incincing the formal of the prinking Wat	obstance generative receptor based Water sensitive receptors alternative Receptor based Water to Surface Water Environmental Quality Standards (SWE) compare results to the Drinking Water Standards (DWS)	Quality standards s	ould be used in addition to t e to a drinking water supply	Surface water EQS	EPA licensed Sites (EPA 2013). Groundwater Drinking water regulations (private supply). GTV's standards	Drinking water (public supply) standards
Sample Date of location	to surface water compare to	r sensitive recep Surface Water E npare results to t	tors afternative in invironmental Que he Drinking Wat	Receptor based Water Unality Standards (SWE) er Standards (DWS)	Quality standards s QS), if the site is clo	ould be used in addition to t e to a drinking water supply	Surface water EQS	Groundwater Drinking water regulations (private supply) GTV's standards	Drinking water (public supply) standards
Sample Date of location sampling reference	to surface water compare to compa	other sensitive recepted to Surface Water Ecompare results to the Methodology (Mo	s to the Drinking Wat Monitoring	Receptor based Water uality Standards (SWE) Maximum Concentration	Quality standards sh QS), if the site is close Average Concentration	ould be used in addition to t e to a drinking water supply	Surface water EQS	Groundwater Drinking water regulations (private supply) standards	Drinking water (public supply) standards

Where additional detail is required please enter it here in 200 words or less

SELECT

Environmental Liabilities template Lic No: W0025-04 Year 2016

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Financial provision for Closure expiry date	Financial Provision for Closure - type	rinancial Provision for Closure - amount of cover	Financial Provision for Closure Status	ciosure pian review status	Closure plan initial agreement status	Financial provision for ELRA expiry date	Financial Provision for ELRA - type	Financial Provision for ELRA - amount of cover	Financial Provision for ELRA status	Amount of Financial Provision cover required as determined by the latest ELRA	ELRA review status	ELRA initial agreement status		Click here to access EPA guidance on Environmental Liabilities and Financial provision
Enter expiry date	cash deposit	Specify	Submitted and not agreed by EPA;	Review required and completed	Closure plan submitted and not agreed by EPA	Enter expiry date	Public Liability Insurance with Environmental Impairment Liability cover,	Specify	Required but not submitted	Specify	Review required and completed	Submitted and agreed by EPA		
		7,415,000								3,474,000			Commentary	

Do you maintain an environmental documentation/communication system to inform the public on	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements Yes	2 Does the EMS reference the most significant environmental aspects and associated impacts on-site Yes	1 Po you manifer an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Do you maintain an Environmental Magazamat Catal	Environmental Management Programme/Continuous Improvement Programme template	
				Additional Information	ate Lic No:	
					W0025-04 Year	

			res		
2 Does the EMS reference the most significant environmental aspects and associated impacts on-site	t environmental aspects and a		Yes		
Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	nental Management Programme (EMP) with the licence requirements	as required in accordance	Yes		
Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	in an environmental documentation/communication system to inforn environmental performance of the facility, as required by the licence		Yes		
Objective Category Target		Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
				7	III CHIICHIALE OULCOINES
	extend gas collection system around cells 15,16,17,18 inspect and seal wellheads		additional gas wells installed. Ongoing maintenance of gas lines and well heads		
Reduction of emissions to Air	inspect and seal wellheads.	90		Individual	Reduced emissions
Reduction of emissions to Air	progress temporary and final capping works		This was progressed during 2016 by tendering for material and machinery.		TO THE PARTY OF TH
	Review machinery tender, revise Health and Safety		pow topdom is also		
Additional improvements	Documentaion,	100		Individual	licence conditions

		MOISE IIIO	Noise Illollitoring summary report	Ort		Lic No:	W0025-04	Year	2016	•
Was not monitoring carried out using the EPA Guidance note, including completion of the "Checklist for note Guidance of Dec your light between other executions plan in the guidance colors as table 67 both one your light between other executions plan in the guidance colors as table 67 both one your light between other executions plan in the guidance colors as table 67 both one your light between other executions plan in the guidance colors as table 67 both one your light between other executions plan in the guidance colors as table 67 both one your light between other executions plan in the guidance of the plant of operational clanges) since the light roles and the light between the colors could not plant the guidance of the plant of the	Was noise monitorii If yes please fill in ta	ng a licence requirement fo able N1 noise summary beld	r the AER period? ow			_	Yes			
Desire of the New a notice reduction plan is under a reduction plan in the section plan is under a reduction plan is und	Was noise monitorii measurement repor	ng carried out using the EP/ rt" included in the guidance	A Guidance note, including c note as table 6?	ompletion of the "Ch	hecklist for noise	Noise Guidance note NG4	Yes			
Table N1: Noise monitoring aummany Noise Salignation	When was the noise	e reduction plan last update	ď?				Enter date		*	
His Reminitary		changes relevant to site no	ise emissions (e.g. plant or c	perational changes)	since the last no	ise survey?	No			
Noise Noise Servidive Noise N	Table N1: Noise mo	nitoring summary								
Noise sensitive period with pe										
Sensitive Integration Integrat	_		Noise							
Tonal of Impact I			sensitive					If tonal /impulsive noise was		Is site compliant with
Imperior Nose location (on site) (if applicable) L/n _a L/n _a							Tonal or Impulsive	identified was 5dB penalty		(day/eye
1312 Deposite old entrance S1 71 61 75 No SELECT Deposite activities, off site sources include passing and distant traffic, trucks in nearby layby, 1232 Deposite old entrance S1 71 61 75 No Deposite old entrance S1 71 51 75 No Deposite old entrance S1 71 51 75 No Deposite old entrance S1 71 51 75 No Deposite old entrance S1 71 75 No Deposite old entrance S1 71 75 No Deposite old entrance S1 75 No Deposite old entrance No Deposite old entrance No No Deposite old entrance No Deposite old entrance No No Deposite old entrance No No Deposite old entrance No Deposite old entrance No Deposite old entrance No No Deposite old entrance No De						LA _{max}	noise* (Y/N)	applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	1 - 11 - 1 - 1
14:20 Opposite old entrance 51 71 57 No No One audible site activities, off site sources include passing and distant traffic noise and noise of water in holding pond in quant	30/11/2016	11:01 opposite old ent		71			No	SELECT	no audible site activities, off site sources include passing and distant traffic trucks in parchy lacks.	
14:20 lopposite dd entrance 14:20 lopposite dd entrance 13:46 local access road 13:46 local access road destant traffic robse and noise of water in holding pond in quarr 13:46 local access road 13:46 local access road 13:46 local access road 13:46 local access road 13:46 local access road destant traffic noise and noise of water in holding pond in quarr 13:46 local access road destant traffic noise and noise of water in holding pond in quarr 13:46 local access road destant traffic noise and noise of water in holding pond in quarr 13:46 local access road destant traffic proble passing and distant traffic, tracks in nearby layby, bit no audible site activities, off site sources include passing and distant traffic, rucks in nearby layby, bit no audible site activities, off site sources include passing and distant traffic, rucks in nearby layby, bit no	30/11/2016	13:12 opposite old ent		71			No		no audible site activities off site sources include passing and distant traffic tender in literary layby.	Yes
13:8 local access road 52 55 55 47 No no audible site activities, passing and distant traffic noise and noise of water in holding pond in quarr 14:53 local access road 52 56 55 47 No no audible site activities, passing and distant traffic noise and noise of water in holding pond in quarr 14:53 local access road 52 56 55 47 No no audible site activities, passing and distant traffic noise and noise of water in holding pond in quarr 14:53 local access road 52 56 55 47 No no audible site activities, passing and distant traffic noise and noise of water in holding pond in quarr 15:40 local old entrance NA 54 55 45 No no audible site activities, passing and distant traffic, roads in nearby layby, bi 11:43 local access road 15:40 No no audible site activities, of site sources include passing and distant traffic, trucks in nearby layby, bi 11:43 local access road 15:40 No no audible site activities, of site sources include passing and distant traffic, trucks in nearby layby, bi 11:43 local access road 15:40 No no site sources include passing and distant traffic, trucks in nearby layby, bi 11:43 local access road 15:40 No no site sources include passing and distant traffic, noise from quarry 13:18 local access road 15:40 No no site sources included distant operations of excavator, recycling of glass and metal, on site vehicles. Offsite sources included passing and distant traffic, noise from quarry 15:51 local road in traffic, posities from quarry 15:51 local road in traffic, posities from quarry 15:51 local road in traffic, posities from quarry 15:52 local road in traffic, posities from quarry 15:52 local road in traffic, posities from quarry 15:52 local road road in traffic, posities from quarry 15:52 local road road road road road distant traffic, posities from quarry 15:53 local road road road road road road road road	30/11/2016	14:20 opposite old ent		71			No		no audible site activities, off site sources include passing and distant traffic trucks in nearby layby.	Yes
13:45 local access road 52 55 55 45 No No No No No No No N	30/11/2016	11:38 local access road		55			No		no audible site activities, passing and distant traffic poice and poice of mater in holding and it	Yes
13:33 local access road 10:57 lear old entrance 10:57 lear old entran	30/11/2016	13:46 local access road		56			No		no audible site activities, passing and distant traffic noise and maior of water in noising pong in quari	Yes
10:57 near old entrance N4 54 57 48 No No No No No No No N	30/11/2016	14:53 local access road		56			No		and and the activities naccing and distant traffic naise and noise of Water in holding pong in quarr	Yes
12:40 near old entrance N4 53 56 45 No no audible site activities, off site sources include passing and distant traffic, trucks in nearby layby, bi 14:31 near new entrance N5 46 47 43 No No No No No No No No No N	30/11/2016	10:57 near old entranc		54			No		no audible site activities off site sources include passing and district traffic translations pond in quarr	Yes
14:33 near old entrance N4 14:33 near new entrance N5 46 47 43 No No No No No No No No No N	30/11/2016	12:40 near old entranc		53			No		no audible site activities off site sources include passing and distalle traine, trucks in nearby layby, bit	Yes
11:43 near new entrance NS 46 47 43 No vehicles. Offsite sources included distant operations of excavator, recycling of glass and metal, on site vehicles. Offsite sources include passing and distant traffic, noise from quarry 15:15 near new entrance NS 51 46 40 No vehicles. Offsite sources include distant operations of excavator, recycling of glass and metal, on site vehicles. Offsite sources include distant operations of excavator, recycling of glass and metal, on site vehicles. Offsite sources included distant operations of excavator, recycling of glass and metal, on site vehicles. Offsite sources include passing and distant traffic, noise from quarry 12:37 east of railway line N6 51 48 43 No vehicles. Offsite sources included passing and distant traffic, noise from quarry 13:56 east of railway line N6 52 48 39 No real railway line N6 51 48 39 No real railway line N6 51 48 No real railway line N6 51 48 No real railway line N6 51 48 No real railway line N6 51 49 No real railway line N6 France Railway line N6 51 49 No real railway line N6 51 49 No real railway line N6 France Railway line N6 51 49 No real railway line N6 51 49 No real railway line N6 France Railway line N6 51 49 No real railway line N6 France Railway line N6 61 49 No real railway line N6 France Railway line N6 61 49 No real railway line N6 851 49 No real rai	30/11/2016	14:33 near old entranc		53			No		no audible site activities, off site sources include passing and distant traffic, trucks in nearby layby, bi	Yes
13:18 near new entrance NS 51 46 40 No on site sources included distant operations of excavator, recycling of glass and metal, on site on site sources included distant operations of excavator, recycling of glass and metal, on site on site sources included distant operations of excavator, recycling of glass and metal, on site on site sources included distant operations of excavator, recycling of glass and metal, on site on site sources included distant operations of excavator, recycling of glass and metal, on site on site sources included distant operations of excavator, recycling of glass and metal, on site sources included distant operations of excavator, recycling of glass and metal, on site sources included distant operations of excavator, recycling of glass and metal, on site sources included distant operations of excavator, recycling of glass and metal, on site sources included distant operations of excavator, recycling of glass and metal, on site sources included distant operations of excavator, recycling of glass and metal, on site sources included distant operations of excavator, recycling of glass and metal, on site sources included distant operations of excavator, recycling of glass and metal, on site sources included distant operations of excavator, recycling of glass and metal, on site sources included distant operations of excavator, recycling of glass and metal, on site sources included distant operations of excavator, offsite sources included passing and distant traffic, noise from quarry 13:36 east of railway line N6 51 48 49 40 No received distant operations of excavator, Offsite sources include passing and distant operations of excavator, offsite sources included passing and distant operations of excavator, offsite sources included passing and distant operations of excavator, offsite sources included distant operations of	30/11/2016	11:43 near new entran		46			No		on site sources included distant operations of excavator, recycling of glass and metal, on site vehicles. Offsite sources include passing and distant traffic, noise from mustry	Yes
15:15 near new entrance N5 49 50 45 No vehicles. Offsite sources included distant operations of excavator, recycling of glass and metal, on site vehicles. Offsite sources include passing and distant traffic, noise from quarry on site sources include distant operations of excavator, Offsite sources include passing and distant traffic, birdsong, train on site sources included distant operations of excavator, Offsite sources include passing and distant traffic, birdsong, train on site sources included distant operations of excavator, Offsite sources include passing and distant traffic, birdsong, train on site sources included distant operations of excavator, Offsite sources include passing and distant traffic, birdsong, train	30/11/2016	13:18 near new entran		51			No		on site sources included distant operations of excavator, recycling of glass and metal, on site vehicles. Offsite sources include passing and distant traffic, noise from quarry	Yes
12:37 east of railway line N6 51 48 43 No Itaffic, birdsong, train	30/11/2016	15:15 near new entran		49			No		on site sources included distant operations of excavator, recycling of glass and metal, on site vehicles. Offsite sources include passing and distant traffic, noise from quarry	Yes
13:56 east of railway line N6 52 48 39 No realize sources included distant operations of excavator, Offsite sources include passing and distant fraffic, birdsong, train No realize sources included distant operations of excavator, Offsite sources include passing and distant realize sources included distant operations of excavator, Offsite sources include passing and distant realize sources included distant operations of excavator, Offsite sources include passing and distant realized.	30/11/2016	12:37 east of railway li		51			No		on site sources included distant operations of excavator, Offsite sources include passing and distant traffic, birdsong, train	Yes
15:29 east of railway line N6 51 49 44 No on site sources included distant operations of excavator, Offsite sources include passing and distant traffic, birdsong, train	30/11/2016	13:56 east of railway lii		52			No		on site sources included distant operations of excavator, Offsite sources include passing and distant traffic, birdsong, train	Yes
	30/11/2016	15:29 east of railway lin		51			No		on site sources included distant operations of excavator, Offsite sources include passing and distant traffic, birdsong, train	Yes

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)

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

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

additional information

SEAI - Large Industry Energy Network (LIEN)

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

Carlow County Council has signed up to Energy MAP

07/01/2014

Additional information

lable KI Energy usage on site	on site			
			Production +/- %	Energy
I can			compared to	Consumption +/- %
7			previous reporting vs overall site	vs overall site
Energy Use	Previous year	Current year	year**	production*
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)	IWHrs)			
Electricity Consumption (MWHrs)	85.11	95.34		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	55	61		
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

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

Table 82 Water rease on site

Service and Application					ANGICE CHIPSIONS	water consumption	
			Production +/-% Energy Compared to Consum	Energy Consumption +/- % Volume Discharged		Volume used i.e not discharged to environment e.g.	-
Water extracted Water use Previous year mage	ed Wa	Water extracted Previous year m3/yr. Current year m3/yr.	previous reporting year**	vs overall site		released as steam	
Groundwater						1110/11	ollaccoulted for Matel:
Surface water							
Public supply	72.87	81.46					
Recycled water							
Total							

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

i dule ko waste otream oummary	Summary				
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	98.95			98.95	
	CALLACE			00000	
Non-Hazardous (Tonnes)	64134.85	63246.28		888.57	
				The second secon	

	I				Γ				Τ							Ua Ua		Г	Kesource C
	07/01/2014 lighting				07/01/2014				07/01/2014 containers				07/01/2014 74 to <29	×		Date of audit		Table R4: Energy Au	Resource Usage/Energy emiciency summary
	lighting	optimise PC usage and pc's and shut down	housekeeping,	Improve	07/01/2014 appropriate controls	heater with	heater with radiant	Replace convector	containers	in storage	heaters and install de-	Remove storage	74 to <29	Reduce site MIC from Contact service		Recommendations		Table R4: Energy Audit finding recommendations	imary
	when not in use	pc's and shut down	Ensure lights and		appropriate controls energy audit	heater with	heater with radiant	Replace convector		de-humidifier in	heaters and install	Remove storage	provider	Contact service		Measures proposed	Description of	tions	
	energy audit n			AND AGREEMENT OF THE PARTY OF T	energy audit				energy audit				energy audit			Origin of measures savings %			
	minimal				25				25				25			savings %	Predicted energy		Lic No:
1017	2014				2014				2014				2014			Implementation date			W0025-04
	all ctaff			0	2014 Site Management				2014 Site Management				2014 Energy Engineer			Responsibility			
continuousiy	0000														-	Completion date			Year
ongoing				aird	ase of fleaters Leviewed within this	use of heaters reviewed wi		בסוווקוביבש ו בצו ממו ץ בסבד	Completed February 2014			completed duling tot4	completed during 2014		oraras alla collillelles	Status and comments			
					ונוווו נוווא	† † † † † † † † † † † † † † † † † † †													2016

	STREET, STREET					
lable RS: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry)please complete the following information	power is generated onsite	e (e.g. power generatior	n facilities/food and	drink industry)please	complete the following in	nformation
	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	Site					

15/01/17 Odour	26/01/17		01/02/17	05/02/17	10/02/17	29/02/17	08/03/16	17/03/16	04/04/16	05/04/16	05/04/16	09/20/16	18/05/16	21/05/16	29/05/16	22/06/16	25/06/16	26/06/16	04/07/16	04/07/16	05/07/16	10/07/16	12/07/16	18/07/16	21/07/16	22/07/16	16/08/16	16/10/16	09/10/16	Date
Odour	files and odour		Odour	Odbur	Odour	Odour	Odeur	Odour	Odour	5 Odour	0dour	6	6 Odour	6 Odeur	0.	0	o.	Ø.	6	6 Odour	16	16	16	16 Odour	6	16 Odour	16 Odour	16 Odour	16 Odour	Category
												Nes			fler	flies	flies	files	flies		files		files		flies					Other type (please specify)
odour from landfill	proximity to landfill		odour from landfill	odour from landfill	odour from landfill	odour from landfill		odour from landfill odour from landfill	odour from landfill	odour from landfill	odour from landfill	files present in neighbours house		for 1	files present in neighbours house	flies present in neighbours house	files present in neighbours house	files present in neighbours house	flies present in neighbours house	odour from landfill	files present in neighbours house	files present in neighbours house	flies present in neighbours house	odour from landfill	flies present in neighbours house	odour from landfill	odour from landfill	odour from landfill	odour along M9 motonway	uriel description of complaint (Free txt <20 words)
flare, carried out VOC survey	complainant increased blower at	management and elected members. Called to speak with	operation, balancing of gas field, daily odour patrols	carried out daily odour check	contacted complainant, carried out daily odour check	contacted complainant, carried out daily odour check	visited home of complainant, checked flare, carried out daily odour checks	flare	checked operation of flare and gas network, carried out daily odour check	checked operation of flare and gas network, carried out daily odour check	contacted complainant, checked flare, carried out daily odour check	called to house	tried to contact to person, checked flare and gas network	checked operation of flare and gas network, contacted complainant	called to house	spraying of site to prevent files, contacted complainant	spraying of site to prevent files, contacted complainant	spraying of site to prevent flies, contacted complainant	spraying of site to prevent files, contacted complainant	checked operation of flare and gas network, contacted complainant	ordered fly units, sprayed for files, spoke to complainant	EFK unit delivered to house	EFK unit delivered to house	checked operation of flare and gas network, contacted complainant	EFK unit delivered to house	checked operation of flare and gas network, contacted complainant	checked operation of flare and gas network, contacted complainant	gas lines dewaterd, gas field balanced, blower increased to 65%, contacted complainant	dewatered gas lines, balanced gas field, contacted complainant	Corrective actions 20 words
Complete	Complete		Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Complete	Completa	Complete	Complete	Complete	Complete	Complete	_	Complete	_	_	Complete		Con	Complete	Complete	Complete	Complete	Resolution status
	28/02/2016			05/02/2016	10/02/2016	29/02/2016	08/03/2016	19/03/2006	04/04/2016	05/04/2016	08/04/2016	16/05/2016	20/05/2016	24/05/2016	29/05/2016	22/06/2016	25/06/2016	26/05/2016	04/07/2016	04/07/2016	03/07/2016	20/07/2016	20/07/2016		22/07/2016	23/07/2016	18/08/2016	31/10/2016	016	Resolution date
																														Further

Complaints and incidents simmary template Complaints

Omplaints

Have you reached any environmental complaints received on the nubble 1 below

Yes

Yes

Yes

Lickles Wedsteel Information

Additional Information

Meditional Information

Vers

Yes

Total number of Incidents current year
Total number of Incidents previous year
% reduction/
Increase 29/04/2016 20/05/2016 Trigger level reached 26/04/2016 Breach of ELV 05/07/2016 Breach of ELV 01/02/2016 Breach of ELV 04/01/17 Odour 15/03/2016 Breach of ELV 30/06/2016 Breach of ELV Breach of ELV Breach of ELV each of ELV and what Cell 12 leachate Dust D4 cell 13 leachate oundary gas wells undary gas wells undary gas wells 1. Minor 1. Minor 1. Mino 1. Minor dour from landfill from landfill Increased Boner at
Unc downteed increased decodourier
called to boun, carried
out edour patrie)
checked line and
dewnteed lines,
increased blower at
fine, downteed lines,
ordered decodourier
ordered decodourier Other (add details) ther (add details) ther (add details) her (add details) migration
landfill gas
migration
landfill gas road resurfacing Activity in e progress at time of incident Normal activities EPA formal activities ormal activities continue to monitor and operate compressor Preventative action <20 words Resolution

Complaints and incidents summary template

MAIN PARMANY Section is a required from the formation of the first of the formation of the first of the fi					Yes Yes				If no why?	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?	6 Does your facility have relevant nuisance of 7 Do you have an odour management system 8 Do you maintain a sludge register on site?
Mail Blace Mail Product					Yes		d on site	f no please list waste storage infrastructure require	proved by the Agency in place? If	tructure as required by your licence and ap	5 Is all waste storage infra
Additional Molecularities Additional Molecularities Additional Molecularities Additional Molecularities In comes in additional Information In comes in additional Information and the data in the case dependent of the comes of the come			2		Yes		equired onsite	e? If no please list waste processing infrastructure r	approved by the Agency in place	frastructure as required by your licence and	4 Is all waste processing in
Additional Information thomas is additional information thomas is presented at your site, as these will have been reported in your PRTR workbook) Guarding of wate reporting year flormes) The profits year flormes Trapidity year f											
Additional Information In connect in additional Information Increase of within your boundaries in to the captured literally. Increase over reduction (Increase over reduction) (Increase over reduction	_					NDFILL SITES	ilities etc) EXCEPT LA	ons, Composters, Material recovery fac	IIES (waste transfer statio	OMPLETED BY ALL WASTE FACILI	SECTION C-TO BE O
Additional information astig generated within your boundaries is to be explained through for another part (formes) astig generated within your boundaries is to be explained through for another part (formes) accepted for your PRTR workbook) accepted formation Additional information Ad		9									
ASTE FACILIFIES Additional Information Part Residence	0 daily cover material	014	100								
ASTE FACILIFIES Additional information House Ho		5-Storage pending any of operations numbered DI	D1:	accepted between August and December 2016		7034	4425	C&D fines		170904	
ASTE FACILITIES WOODS OF Was Woods	0 maintenance of roads	ading any of the erations numbered R1 to 2 (excluding temporary vage)	ope Ali			278	291	rubble		170101	
ASTE FACILIFIES Additional Information Management	maintenance of roads banks	٥	Sto			100001	9221	clay/ soil and stones	developments	170504	
ASTE FACILITIES Additional Information Particular		3-Storage of waste nding any of the erations numbered 81 to	per one								
ASTE FACILITIES Lik Not: W0012-04 World Inclinations W0012-04 World Inclinations	oll material used for a	5-Storage pending any of e operations numbered D1 D14	D1 the	Ash not required from August to December 2016		3833	2407	bottom ash	Medite Clonmel, Smartply Waterford	100101	
ASTE FACILITIES Lic Not. W0035-04 Vear displayon bt click to see options Additional information Montes in ad								European Waste Catalogue EWC codes		European Waste Catalogue EWC codes	
ASTE FACILITIES Vear Vear		Disposal/Recovery or Quantity of war at the end out at your site and the stearing of this operation (to	Packaging Content (%)- only applies if the waste has a packaging component de	Reason for reduction/ increase from previous reporting year	Reduction/ Increase over previous year +/ - %	Quantity of waste accepted in previou reporting year (tonnes)	Cuantify of waste accepted in current reporting year (tonnes)	PRESE enter an accurate and detailed description - which applies to relevant EWC code	AND THE PROPERTY OF THE PROPER		tonnage limit for your site (total tonnes/annum)
ASTE FACILITIES Le No. PART Sective losson Descriptions de particular losson Additional information Additional information No. Mo.			PRTR workbook)	eported in your	have been re	rmation at your site, as these will	in tonnes in additional info	republic of Ireland? If yes please state the quantity OSAI Or treatment (do not include	hat was generated outside the R site for recovery, disp.	Was waste accepted onto your site to waste accepted onto your	Table 1 Details
NATE ON SITE WASTE TREATMENT AND WASTETRANSFERS TAB- TO BE COMPLETED BY ALLIPPC AND WASTETACHTIES BY BETTER THE BY ALLIPPC AND WASTETACHTIES BY BETTER THE BY BY BETTER THE BY					No		-	ve a brief explanation in the additional information	nt reporting year? If yes please gi	elected consignments of waste in the curre	2 Did your site have any r
NATION SHE WASTE TREATMENT AND WASTETRANSFERS TAB-TO BE COMPLETED BY ALLIPPC AND WASTEFACILITIES BY ALLIPPC AND WASTEFACILIT					res					s in table 1 below	If yes please enter detai
NSITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES LE No. PRIT facility logon. dopdown list click to see options ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES				Additional Information		r boundaries is to be captured through	aste generated within you	disposal within the boundaries of your facility ?; (w	r treatment prior to recovery or	<u>ted onto</u> your site for recovery or disposal o	Were any wastes accep 1 PRTR reporting)
NSITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES LE No: W0025-04 Year doptions list click to see options								ID WASTE FACILITIES	MPLETED BY ALL IPPC AN	E ACCEPTED ONTO SITE-TO BE CO	SECTION B- WAST
Us No: W0035-04 Year					PRIR facility logo		ASTE FACILITIES	TO BE COMPLETED BY ALL IPPC AND W	WASIE IKANSHERS IAB-	M SHE WASIE IREALMENT AND	STORY AT THE
		2016	Year		W0025-04	Lic No:		1	WAR TO A STATE OF THE STATE OF	ON SITE WASTE TREATMENT AND	WASTE SUMMAR

WASTE SUMMARY					Lic No:	W0025-04		Year	201			J	
Table 2 Waste type	SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY Table 2 Waste type and tonnage-landfill only	ONLY							2020			L	
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									
Household (residual)	40 FDD			15									
commercial industrial solids	40,5000	46,901											
C&D	1,000	0	30,000										
treated sludge	500	0	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4										
Table 3 General info	Table 3 General information-Landfill only												
Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting	Is there a separate cell for Accepted asbestos in reporting waste abestos? Year	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
cell 15/16	2006	2012	Yes	public	non-haz	2017	8	по	no	18,000	18,000	0	bentonite/double HDPE
cell 17	2013	2015	Yes	public	non-haz	2017	по	no	no	9,000	9,000	0	bentonite/double HDPR
cell 18	2015	2016	N.	a.klii.					Control of the Contro				
Table 4 Environmen	Table 4 Environmental monitoring-landfill only	Landfill Manual-Monitoring Standards	dards										D TITLE BEAUCH CANADASC
r meterological siltoring in compliance Landfill Directive) standard in orting year +	Wa Landill Gas monitored in Was Landill Gas monitored in Landill Gas monitored in Compliance with LD standard in Experiting year reporting year.		Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement funder S53(A)(5) of WMA been submitted in reporting year	Comments					
yes	yes	L	yes		Yes	Yes	No						
Table 5 Capping-Landfill only	please reter to Landfill Manual inixed above for relevant Landfill Directive monitoring standards Table 5 Capping-Landfill only	Directive monitoring standards											
Area uncapped*	Area with temporary cap			Area with waste that should be permanently									
SELECT UNIT S	SELECT UNIT	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							
36,000	0	0 84000m2	capping planned for 2016 and 2017	84 000	gas geo composite, LLDPE liner,								
*please note this includes daily cover area Table 6 Leachate-Landfill only	daily cover area ndfill only				Association of a month of the								
9 Is leachate from your site 1 10 Is leachate released to sur	9 is leachaste from your site treated in a Waste Water Treatment Plant? 10 is leachaste released to surface water? If yes please complete leachaste mass load information below.	t? ate mass load information below				Yes							
Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/innum)	Leachate (COD) mass load (kg/annum)	Lenchate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments						
	Please ensure that all info	mation reported in the landfill as	Anna is a second and the second of the secon										
Table 7 Landfill Gas-Landfill only	Landfill only	rmation reported in the landfill ga	Trease ensure diatrail information reported in the landful gas section is constituti with the landful Gas Survey submitted in conjunction with PRTR returns [V]	submitted in conjunction v	vith PRTR returns								
Gas Captured&Treated by LFG System m3	Power generated (MW/KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments									

PRIEM W0025 Feelilly Marine : Privatelovia Lebidill Sile | Eribeane : w0025 2016 PRIER sk | Robins Year 2016

Guidance to completing the PRTR workbook



PRTR Returns Workbook

Tirestiment and deposal of non-hazardous waste Mayor Walsh Makery Malan Makery Makery	Web Address
The most recent landing pas model prepared for the site was completed in October 2014. This model predicted the total methane generated emissions to the 2015 flagures are due to the increased flow risk through the first laiding lass well within the waste. A 264 Assistance of the discount of the 2015 flagures are due to the increased flow risk through the first laiding of the discount of the 2015 flagures are due to the increased flow risk through the first and the installation of assistance of the discount of the 2015 flagures are due to the increased flow risk through the first and the installation of the discount of the 2015 flagures are due to the increased flow risk through the first and the installation of the discount of the 2015 flagures are due to the increased flow risk through the first and the installation of the discount	Number of Departing House in Version Wild Money In Version Wild Money In Version Wild Money Web Address User Feedback/Comments Strike Number CLASS ACTIVITIES SOLVENTS REGULATIONS (S.L. No. 543 of 18 of 1
The most recent landing pas model prepared for the site was completed in October 2014. This model predicted the total methane generated emissions to the 2015 flagures are due to the increased flow risk through the first laiding lass well within the waste. A 264 Assistance of the discount of the 2015 flagures are due to the increased flow risk through the first laiding of the discount of the 2015 flagures are due to the increased flow risk through the first and the installation of assistance of the discount of the 2015 flagures are due to the increased flow risk through the first and the installation of the discount of the 2015 flagures are due to the increased flow risk through the first and the installation of the discount of the 2015 flagures are due to the increased flow risk through the first and the installation of the discount	Mumber of Operating House of Employees User Feedback/Comments Web Address Web Address Web Address Web Address Output Web Address
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Tirestiment and deposal of non-hazardous waste Mayor Walsh Makery Malan Makery Makery	Number of Densifind Bulboyees User Feedback/Comments User Feedback/Comments Web Address BYRR CLASS ACTIVITIES Suity Number
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Tirestiment and deposal of non-hazardous waste Mayor Walsh Makery Malan Makery Makery	Number of Operating House of Employees User Feedback/Comments Web Address Surviy Number Surviy Number Sourviy REGULATIONS (S.I. No. 543 of 20 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
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Tirestiment and deposal of non-hazardous waste Mayor Walsh Makery Malan Makery Makery	Number of Operating Hours in Year Mumber of Employees User Feedback/Comments Web Address PRTR CLASS ACTIVITIES (i) (i) (i)
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IESE Treatment and deposal of non-hazardous waste Walter Mark Walsh May Wals	Number of Deneafid Hours in Year User Feedback/Comments User Feedback/Comments Web Address PRTR CLASS ACTIVITIES BY UNIVERSET OF THE PARTY OF THE PA
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Refer to PRTR class scrivilies below	OLD SARRIANA TOO SARRIAN OF SARRIAN
cjes zueuc	ON
	Classes of Activity
MAC TOTAL I	Licence Number
WWW. Fandill Site	
Verinor County C	PRTR Identification Number
Senior dame with Course	Facility Name PRTR Identification Number
Name 1	PRTR Identification Number

4.1 RELEASES TO AIR

Link to previous years emissions data

| PRTR# W0025 | Facility Name | Powerstown Landfill Ste | Filename | w0025_2015 PRTR xis | Return Year | 2016 |

07/06/2017 16 26

SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

	01 08 11		02	No. Alliex II	No Associa		
"Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button	Methane (CH4) Nitrogen oxides (NOX/NO2) Sulphur oxides (SOX/SO2)		Carbon monoxide (CO)	Name			POLLUTANT NELLEAGES TO AIR
	C OTH flared M EN 14792:2005 Chemilluminescence M OTH TGN 21 NDIR Absorption	Total estimated methane	A NICIP D. II-	M/C/E Method Code Designation or Description	Method Used	WEITIOD	METUOD
0	0.0 299.0 4374.0	0.0	Lillission Foliat 1 (10tal) KG/Year	_	LFGF1		Please enter all quantities in this section
	2990 0.0 0.0	0.0 0.0 0.0	A (Accidental) KG/Year F (Fugitive) KG/Year			QUANTITY	on in KGs

SECTION B: REMAINING PRTR POLLUTANTS

	80	84		No Apper				The same of the sa
* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete butto	Chlorine and inorganic compounds (as HCI)	Fluorine and inorganic compounds (as HF)	Name			POLLUTANT	RELEASES TO AIR	
	M EN 1911-1 to 3:2003 Ion chromatography	Donal Constitution of	M/C/E Method Code Designation or Description	Method Used		METHOD		
0.0	0.0	LIIISSICII FOIIIL I (TOTAL) KG	Emission Doint 1			The sum danning ill till sent	Please enter all quantities in this socti	
0.0 0.0	0.0 0.0 0.0	A (Accidental) KG/Year F (Fugitive) KG/Year			QUANTITY	OI III NGS		

SECTION C: REMAINING POLLUTANT EMISSIONS (As required in your Licence)

		237	Pollutant No.		
* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button	voidile organic compounds (as 100)	Volatile organic comme Name		FOLLOTANI	RELEASES TO AIR
	M OTH EN12619 FID	M/C/E Method Code Designation or Description	Method Used	METHOD	THE REAL PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN THE PERSON NAMED
12:01 0:0 0:0	13.61	Emission Point 1 T (Total) KG/Year A (Accidental) KG/Year E (Euclive) KG/Year		GHANTITY	Please enter all quantities in this section in KGs

Additional Data Requested from Landfill operators

						Section A shove
0.0 (Total Utilising Capacity)	0.0					Net methane emission (as reported in
T	N/A	Landgem	OTH	≤ 0	812705.0 1498468.0	site model) Methane flared
	Facility Total Capacity m3 per hour	Designation or Description	Method Code	M/C/E	T (Total) kg/Year	Total estimated methane generation (as per
		Method Used	Met			quantities of methane flared and / or utilised
					Powerstown Landfill Site	Landfill: Please enter summary data on the
				ine)	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) KGlyr for Section A: Sector specific PRTR pollutants above. Please complete the table below:	or the purposes of the National Inventory on Greenhous ride or utilised on their facilities to accompany the figure size of the environment under T(total) KGlyr for Sect

SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)
RELEASES TO WATTERS **4.2 RELEASES TO WATERS** SECTION B: REMAINING PRTR POLLUTANTS SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS No. Annex II No. Annex II POLLUTANT POLLUTANT * Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button * Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button * Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button Link to previous years emissions data RELEASES TO WATERS RELEASES TO WATERS M/C/E M/C/E M/C/E [PRTR# W0025] Facility Name Powerslown Landfill Site | Filename w0025_2016 PRTR.xls | Return Year 2016 Method Used

Method Code | Designation or Description | Emission Point 1 Method Used

Method Code | Designation or Description | Emission Point 1 Method Code | Designation or Description | Emission Point 1 Method Used Please enter all quantities in this section in KGs Please enter all quantities in this section in KGs Please enter all quantities in this section in KGs T (Total) KG/Year |A T (Total) KG/Year | F T (Total) KG/Year should NOT be submitted under AER / PRTR Reporting as this on A (Accidental) KG/Year F (Fugitive) KG/Year 0.0 A (Accidental) KG/Year F (Fugitive) KG/Year 0.0 A (Accidental) KG/Year F (Fugitive) KG/Year 0.0 QUANTITY QUANTITY QUANTITY 07/06/2017 16:27

4.3 RELEASES TO WASTEWATER OR SEWER

SECTION A: PRTR POLLUTANTS

Link to previous years emissions data

| PRTR# : W0025 | Facility Name - Powerstown Landfill Site | Filename : w0025_2016 PRTR xls | Rt

07/06/2017 16:28

SECTION B : REMAINING POI		TO THE TOWN	No Annex II	
SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence) OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER POLLUTANT	* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button	Name		OFFILE IRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER METHO METH
WASTE-WATER TREATMENT OR SEWER	ne (Column B) then click the delete button	on or Desc	Method Used	WASTE-WATER TREATMENT OR SEWER
Please enter all quantities in this section in KGs	0.0 0.0	Emission Point 1 T (Total) KG/Year	QL	Please enter all quantities in this section in KGs
	0.0 0.0	A (Accidental) KG/Year F (Fugitive) KG/Year	QUANTITY	

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

Designation or Description Emission Point 1

T (Total) KG/Year

QUANTITY

A (Accidental) KG/Year F (Fugitive) KG/Year 0.0 0.0

Please enter all quantities in this section in KGs

Name

4.4 RELEASES TO LAND

Link to previous years emissions data

| PRTR#: W0025 | Facility Name: Powerstown Landfill Site | Filename: w0025_2016 PRTR.xls | Return Year | 2016 |

07/06/2017 16:28

SECTION A: PRTR POLLUTANTS

No. Annex II POLLUTANT * Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button Name RELEASES TO LAND Designation or Description Emission Point 1 Please enter all quantities in this section in KGs T (Total) KG/Year 0.0 A (Accidental) KG/Year 0.0 QUANTITY

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

		Pollutant No.	
* Select a row by do		Name	POLLUTANT
* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button			XELEASES TO LAND
B) then click the delete button	MICHE DELICATION CORE	NO TO	MET
	Designation or Description E	Method Used	HOD
0.0	mission Point 1		lease enter all quantitie
	T (Total) KG/Year		s in this section in KG:
0.0	A (Accidental) KG/Year	QUANIII Y	

Please enter a	5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE
all quantities on this sheet in Tonnes	PRTR# W0025 Facility Name Powerstown Landfill Site Filename
	w0025_2016 PRTR xls Return Year 2016

				Within the Country 20 01 36	Within the Country 20 01 35		To Other Countries 20 01 27	Within the Country 20 01 25	Within the Country 20 01 23	Within the Country 20 01 21		Within the Country 20 01 08 Within the Country 20 01 11						Within the Country 16 06 04	To Other Countries 16 06 01		To Other Countries 16 01 07	Within the Country 15 01 07	Within the Country 15 01 05	Within the Country 15 01 02		Transfer Destination Code			
	No	. No		N _o	Yes		Yes	No	Yes	Yes		N N	N _o	No	: Z	: 8	5	N _o	Yes		Yes	No	No	No	Yes	de Hazardous			
	97.54	120.63		0.22	48.04		16.04	1.0	23.23	0.56		39.18 21.5	40.76	179.82	19650.06	2.40	2	0.78	11.02		0.38	59,82	3.62	60.7	7.26	dous	(Tonnes per Year)	Quantity	Please enter
	97.54 wood other than that mentioned in 20 01 37 R13	20 01 21, 20 01 23 and 20 01 35	discarded electrical and electronic equipment other than those mentioned in	equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	20 01 21 and and 20 01 23 containing hazardous components	discarded electrical and electronic equipment other than those mentioned in	containing dangerous substances	edible oil and fat	discarded equipment containing 23.23 chlorofluorocarbons	fluorescent tubes and other mercury- containing waste		39.18 biodegradable kitchen and canteen waste 21.5 textiles	40.76 flat glass	paper and cardboard	mentioned in 19 07 02	landfill leachate other than those	gypsum-based construction materials other	0.78 alkaline batteries (except 16 06 03)	11.02 lead batteries		0.38 oil filters	glass packaging	3.62 composite packaging (tetrapac)	60.7 plastic packaging (bottles & wrapping)	7.26 gear and lubricating oils	Description of Waste			Please enter all quantities on this sheet in Tonnes
013	R13	R13		R13	R13		R13	R13	R13	R13		R13	R13	R13	R13	K13		R13	R13		R13	R13	R13	R13	R13	Treatment Operation	Waste		
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Weighed	Weighed	Weighed		Weighed	Weighed	G	Weighed	Weighed	Weighed	Weighed		Weighed Weighed	Weighed	Weighed	Weighed	Weighed	Assigned	Meighed	Weighed		Weighed	Weighed	Weighed	Weighed	Weighed	Method Used	Method Used		
Offsite in Ireland	Offsite in Ireland	Offsite in Ireland		Offsite in Ireland	Offsite in Ireland	Conce	Ahroad	Offsite in Ireland	Offsite in Ireland	Offsite in Ireland		Offsite in Ireland Offsite in Ireland	Offsite in Ireland	Offsite in Ireland	Offsite in Ireland	Offsite in Ireland	Offsite in Ireland	Official in Laborat	Abroad		Abroad	Offsite in Ireland	Offsite in Ireland	Offsite in Ireland	Offsite in Ireland	Location of Treatment			
Ratcliffe Recycling	0003-01	Ltd,WCP-DC-08-1130-01 Greenstar WFP -KK-09-	Pateliffo Boguelia	Irish Lamp Recycling ,WFP- KE-08-0348-01	Ratcliffe Recycling Ltd,WCP-DC-08-1130-01	ENAN Helalid, AAO 101-01	ENIVA Ireland MO181 01	Pure Oil Ltd,NWCPO-10- 02557-01	Ratcliffe Recycling Ltd,WCP-DC-08-1130-01	KMK Metals, W0113-01		CW-10-0003-01 Mrs Quinns Charity Shop	0003-01	0003-01	Treatment Plant, D-0028 Greenstar WFP -KK-09-	0003-01 Mortarstown Waste Water	Greenstar, WFP -KK-09-	The Recycling Village, WFP-	ENVA Ireland W0181-01		ENVA Ireland,W0181-01	Greenstar,WFP -KK-09- 0003-01	Greenstar,WFP -KK-09- 0003-01	0003-01	ENVA Ireland, W0181-01		Name and mit No of Disposer	Haz Waste: Name and Licence/Permit No of Next Destination Facility	
Ballystahan ,St. Margarets	-,-,-,Kilkenny,Ireland	Dublin,, Ireland	,Co. Nildare,ireland		Ballystahan ,St. Margarets ,Dublin,,,Ireland	Laois,ireland	-,-,Portlaoise,Co.	,Ballyweather,Barntown,Co. Wexford,Ireland	Ballystahan ,St. Margarets ,Dublin,.,Ireland	Estate, Daingean Road, Tullamore, Co. Offaly, Ireland	Cappincur Industrial	Carlow,-,Ireland	-,-,Kilkenny,Ireland	-,-,-,Kilkenny,Ireland	Carlow,,Ireland	-,-,-,Kilkenny,Ireland	-,-,-,Co. Louth,Ireland		-,-,Portlaoise,Co.		-,-,Portlaoise,Co. Laois,Ireland	-,-,-,Kilkenny,Ireland	-,-,-,Kilkenny,Ireland	-,-,-,Kilkenny,Ireland	-,-,Portlaoise,Co. Laois,Ireland		Non Haz Waste: Address of Recover/Disposer	Non Hay Waste Address of Nat	
					DC-08-1130- 01,Ballystahan,St. Margarets,DublinIreland	en,,Germany Ratcliffe Recycling,WCP-	Nehlsen, D33300040, Braem		DC-08-1130- 01,Ballystahan,St. Margarets,Dublin,,Ireland	KMK Metals,W0113-01 Ratcliffe Recycling,WCP-									Recycling Ltd,173/GVDA,Beerse,,Bel	Campine Recycling Ltd,MLAV /05,Campine	R.D. Recycling,51727-1- KD,Houthalen,,Belgium				ENVA Ireland, W0181-01		Address of Final Recoverer / Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)		
				. Principle of the control of the co	reland	Braemen,,Germany			,,,,,,lreland	-,-,Tullamore,Co. Offaly,Ireland								rus	Campine Recycling Ltd,173/GVDA,Beerse,,Belg Ltd,173/GVDA,Beerse,,Bela		Houthalen,,,,,,Belgium				-,-,Portlaoise,Co. Laois,Ireland		Actual Address of Final Destination E. i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)		07/06/2017 16 28 28

Within the Country 16 05 04	Within the Country 20 02 01		Transfer Destination		
16 05 04	20 02 01		Code	European Waste	
Yes 'Select a row	N _o		Hazardous		
0.34 by double-click ng	194.52				Quantity (Tonnes per Year)
gases in pressure containers (including Yes 0.34 halons) containing dangerous substances Select a row by double-clucking the Description of Waste then cluck the delate button	194.52 biodegradable waste	poscipion of Maste	Dosorintion of Monte		
R13	R13	operation	Heamle	Waste	
8	Z	M/C/E			
Weighed	Weighed	Operation M/C/E Method Used			Method Used
Offsite in Ireland	Offsite in Ireland	Treatment	Location of		
ENVA Ireland,W0181-01	Greenstar,WFP -KK-09- 0003-01				Haz Waste: Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer
-,-,Portlaoise,Co. Laois,Ireland	-,-,-,Kilkenny,Ireland			VecokelyCishosel	Haz Destina Non
ENVA ireland, W0181- 01,,Portlaoise,Co. Laois,Ireland				ONLY)	ermit No. and ecoverer /
,Portlaoise,Co Laois,Ireland				(HAZARDOUS WASTE ONLY)	. >