Facility Information Summary	γ	
AER Reporting Year	2013	
Licence Register Number	W0139-01	
Name of site	Haroldstown Waste Transfer Station	
Site Location	Haroldstown, Carlow	
NACE Code	3821	
Class/Classes of Activity	2,3,4,12,13	
National Grid Reference (6E, 6 N)	290303, 178099	
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.		
	Haroldstown Waste Transfer Station closed to the public on 31/12/2009 and no longer accents waste	r accents waste
	I Haroldstown waste Transfer Station closed to the public on 31/12/2009 and no longe	r accepts waste

urate. The

	(or nominated, suitably qualified and experienced deputy)
	Group/Facility manager
Date	Signature
19/03/14	They Wergh
rmation presented in this report has been checked and certified as being accu quality of the information is assured to meet licence requirements.	All the data and information presented in this report has been checked and certified as being accu quality of the information is assured to meet licence requirements.
	Declaration:
Haroldstown Waste Transfer Station closed to t	
	water, noise.
	applicable) and what they relate to e.g. air,
	exceedances of licence limits (where
	compliance with your licence listing all
	the reporting year and an overview of
	performance which was measured during
	infrastructural changes, environmental
	increases or decreases on site, any
	include information such as production
	the site for the reporting year. This should
	A description of the activities/processes at

Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current 1 reporting year and answer further questions. If you do not have licenced emissions and do not complete a solvent management plan (table A4 and A5) you do not need to complete the tables  Periodic/Non-Continuous Monitoring  Air Emissions monitoring consists of monitoring therefore tables A1 and A2 are not applicable.  Yes  Some off-site gas wells exceed the licence EEV for CO2. These results in breach of licence requirements? If yes please provide brief details in the comment section of the second in the complaints / incidents  Yes  Some off-site gas wells exceed the licence EEV for CO2. These results are reported in the complaints / incidents  sheet of this report.	AlR-summary template  Lic No: W0139-01 Year 2013  Answer all questions and complete all tables where relevant	
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# Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

3 Was all monitoring carried out in accordance with EPA guidance monitoring note AG2 and using the basic air monitoring checklist? checklist

AGN2

				Emission reference no:
SELECT	SELECT	SELECT	SELECT	Parameter/ Substance
				Frequency of Monitoring
				ELV in licence or any revision therof
SELECT	SELECT	SELECT	SELECT	Licence Compliance criteria
				Unit of measured value measurement
SELECT	SELECT	SELECT	SELECT	Unit of measurement
SELECT	SELECT	SELECT	SELECT	Compliant with
SELECT	SELECT	SELECT	SELECT	Method of analysis load (kg)
				ass
				reason for change in % mass load from previous year if applicable

7	6	S		4	
	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	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)	Does your site carry out continuous air emissions monitoring?	Continuous Monitoring
	N/A	N/A	re	No	

Emission	Parameter/ Substance		<b>Averaging Period</b>	Averaging Period   Compliance Criteria	Units of	<b>Annual Emission</b>	Annual maximum Monitoring	Monitoring	Number of ELV Comment	Col
reference no:					measurement				exceedences in	
						E 1/1/2 1		(hours)	current	0
		ELV in licence or							reporting year	-
		any revision therof						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100	e e
	SELECT			SELECT	SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT			Control of the state of the state of	SELECT					1

Table A3: Al	Table A3: Abatement system bypass reporting table	ass reporting table	Bypass protocol		
Date*	Duration** (hours) Location	Location	Reason for bypass	Impact magnitude	Corrective action

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

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

										00		
		Solvent		Table A5:				Reporting year	Table A4: Solve Total VOC Emi	Do you have a tota	Solvent	
		(I) Inputs (kg)	(I) Inputs (kg)	Table A5: Solvent Mass Balance summary			site (kg)	Total solvent input on	Table A4: Solvent Management Plan Summary Total VOC Emission limit value	l Emission Limit Value of d	Solvent use and management on site	
		Organic solvent emission in waste		ce summary			emissions to Air from entire site (direct and fugitive)	Total VOC	an Summary	irect and fugitive emi	ent on site	
		Solvents lost in water (kg)					emissions as %of solvent input	Total VOC	<u>Solvent</u> regulations	ssions on site? if ye		
		Collected waste solvent (kg)	(0				Total Emission Limit Value (ELV) in licence or any revision therof		Please refer to linked solvent regulations to complete table 5 and 6	Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5		
		Fugitive Organic Solvent (kg)	(O) Outputs (kg)		SELECT	SELECT		Compliance	ent regulations to 5 and 6	is.		
		in other ways e.g. onsite through								•		
Total		Solvent released Solvents destroyed Total emission of in other ways e.g. onsite through Solvent to air (kg)								No		
		Total emission of Solvent to air (kg)										
				J								

nce requirem	ssions to water and /or wa			Location Date of Reference inspection	trigger values may be agreed by the Agency outside of licence conditions.  Table W2 Visual inspections-Please only enter details where contamination was observed.	SELECT SELECT		site PRTE	Table W1 Storm water monitoring	Was it a requirement of your licence to carry out visual inspections on any surface water 2 discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections	Does your site 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	
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)			Description of contamination	e of licence conditions ase only enter details where con	SELECI		7 -	on on	ut visual inspections on any surface w te? If yes please complete table W2 be ination noted during visual inspections	to surface water or direct to sewer? If r the current reporting year and answ emissions you <u>only</u> need to complete t halysis and visual inspections	
the	toring (non-contine				ntamination was o			ELV or trigger ing level in licence or any revision thereof*		low Yes	yes ar able	
There are no licensed	(snor	SELECT	SELECT	Source of contamination	bserved.	SELECT	SELECT	Licence Compliance criteria		There is no discharge		
There are no licensed emission points to water or wastewater from the site.				Corrective action				Measured value		There is no discharge from the site direct to a watercourse. There was no visual evidence of any contamination at surface water monitoring locations.		Additional information
tewater from the site.				ion		SELECT	SELECT	Unit of measurement		ourse. There was no monitoring locations.		
				Comments		SELECT	SELECT	Compliant with licence				
				ents				Comments				

		Emission reference no:	Table W	Was all guidance Data Rep requir	Was ther	Licensec			Location Reference		*trigger va			Location reference
		Chamasa Sa	3: License	monitoring and checklis orted to the re improvem	re any result	Emission				Table W2	lues may be	STATE OF THE PARTY		177.1
	SELECT	Emission released to	ed Emissio	carried out ir ts for Quality e EPA? If no p ent in additi	in breach of com	ns to wate			Date of inspection	Visual ins	agreed by th	SELECT	SELECT	relative to site activities
	SELECT	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)				Table W2 Visual inspections-Please only enter details where contamination was observed.	*trigger values may be agreed by the Agency outside of licence conditions	SELECT	SELECT	PRTR Parameter
September 1	SELECT	Type of sample	r wastewater (se	External /Internal Lab Quality checklist	yes please provide bri 3 below	ıter(sewer)-peric			Description of contamination	ily enter details v	ce conditions	SELECT	SELECT	Licenced Parameter
		Frequency of monitoring	wer)-periodi	Assessment of results checklist	ef details in the	odic monitorii			amination	where contan				Monitoring date
THE CONTRACT OF STREET	SELECT	ELV or trigg values in ito any revision Averaging period therof values?	c monitoring (n	N/A	No	ng (non-continu				nination was ob				level in licence or any revision thereof*
		ELV or trigger values in licence or any revision therof <sup>Note 2</sup>	on-continuous)		There are no license	ous)	SELECT	SELECT	Source of contamination	served.		SELECT	SELECT	Compliance
	SELECT	Licence Compliance criteria			There are no licensed emission points to water or wastewater from the site.				Corrective action					Measured value
		Measured value			tewater from the site.				tion			SELECT	SELECT	Unit of measurement
	SELECT	Unit of measurement							Comr			SELECT	SELECT	Compliant with licence
Managed Street	SELECT	Compliant with							Comments					Comments
	SELECT	Method of analysis			_									
	SELECT	Procedural reference source												
		Procedural reference standard number												
		Annual mass load (kg)												
		Comments												

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

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

	reporting year (Kg)	SELECT	Jeres.	90000				
	orting year (Kg)	2000	SELECT	SELECT		SELECT	SELECT	
downtime (hours)   reporting year   Comments		measurement repo	Criteria	Period	thereof	Parameter/ Substance	released to	reference no:
Equipment exceedences in	Annual Emission for current year	Units of Ann	Compliance	Averaging	or any revision		Emission	Emission
previous reporting Monitoring Number of ELV	٠				values in licence			
	% change +/- from				ELV OF HISBEI			
				oring	tinuous monito	Table W4: Summary of average emissions -continuous monitoring	Summary of av	Table W4:
			N/A					below
				plete table W5	r? If yes please com	g Did abatement system bypass occur during the reporting year? If yes please complete table W5	system bypass occ	g Did abatement
			N/A					site?
				equipment on	ntinuous monitoring	Do you have a proactive service contract for each niece of continuous monitoring equipment on	proactive service of	Do you have a
			N/A	d downtime in	? If yes please recor	Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below	monitoring equipr	6 table W4 below
						(0.00)		
				na compare it to	elow in Table W4 a	if yes prease summanse your continuous monitoring data below in Table w4 and compare it to	its relevant Emission Limit Value (ELV)	its relevant En
					Table MA			
			No		er monitoring?	5 Does your site carry out continuous emissions to water/sewer monitoring?	carry out continuo	5 Does your site
	Additional Information						Continuous monitoring	Continuous
	Additional Information						monitoring	Continuous

Table W5: Abatement system bypass reporting table

Date Duration (hours) | location Resultant emissions

Was a report submitted to the EPA?

When was this report submitted?

<sup>\*</sup>Measures taken or proposed to reduce or limit bypass frequency

Bund testing	dropdown menu click to see options
Are you required by y	Are you required by your licence to undertake integrity testing on bunds and containment structures? If yes please fill out table B1 below listing all new bunds and containment structures of the property of
2 Please provide integr	Please provide integrity testing frequency period
	Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chernstore" type units and mobile bunds)
4 How many bunds are on site? 5 How many of these bunds have	4 How many bunds are on site?  5 How many of these bunds have been tested within the required test schedule?
6 How many mobile bunds are on site? 7 Are the mobile bunds included in the	How many mobile bunds are on site?  Are the mobile bunds included in the bund test schedule?
8 How many of these n	How many of these mobile bunds have been tested within the required test schedule?
How many sumps on	9 How many sumps on site are included in the integrity test schedule? 10 How many of these sumps are integrity tested within the test schedule?
Please list any sump	Please list any sump integrity failures in table B1
If yes to Q11 are thes	12 If yes to O11 are these failsafe systems included in a maintenance and testing programme?
Is the Fire Water Ret	13 Is the Fire Water Retention Pond included in your integrity test programme?
	Table B1: Summary details of bund /containment structure integrity test
Bund/Containment structure ID	Type Specify Other type Product containment
	SELECT
integrity testing with BS8007/EP/	<ul> <li>Cutter results should combine the 25% of 105% containers rule is detailed in paint leases.</li> <li>Has integrity testing been carried out in accordance with licence requirements and are all structures tested in 15 line with BSB007/EPA Guidance?</li> </ul>
e channels/transfe	to the channels/transfer systems to terrote containment systems tested:  17 Are channels/transfer systems compliant in both integrity and available volume?
Pipeline/underg	Pipeline/underground structure testing
Are you required by a 1 underground structu 2 Please provide integri *please note integrit	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 1 underground structures and pipelines on site which failed the integrity test and all which have not been tested withing the integrity test period as specified 2 Please provide integrity testing frequency period.  *please note integrity testing requency period.  *please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)
Tab	Table B2: Summary details of pipeline/underground structures integrity test
Structure ID	Does this structure have  Waterial of construction:  Secondary containment?
	SELECT

There are no bunds / containment structures on site. No waste material / liquid is stored on site. Therefore integrity testing is not required.

12 Is there evidence that contamination is migrating offsite?	11 Have potential receptors been identified on and off site?	10 Has a Conceptual Site Model been developed for the site?	9 Has any type of risk assesment been carried out for the site?	8 Is there a licence condition to carry out/update ELRA for the site?	7 Please specify the proposed time frame for the remediation strategy	6  Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	5 Is the contamination related to operations at the facility (either current and/or historic)	Do monitoring results show that groundwater generic assessment criteria a such as GTV, or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Groundwater Guideline Template Report (link in cell G8) and submit separately monitoring through ALDER as a licensee return AND answer questions 5-12 below. template	3 Do you extract groundwater for use on site? If yes please specify use in comment section	2 Are you required to carry out soil monitoring as part of your licence requirements?	1 Are you required to carry out groundwater monitoring as part of your licence requirements?	
Vēs	yes	yes	yes	no	yes	yes	yes	yes	no		yes	
			Tier 2 Risk assessment completed during 2013		approx 12 months	Remediation Recommendations are listed in section 12 of the Tier 2 Risk assessment Report. Carlow Co Co intend to assess and implement these during 2014.						Comments
The results reported for the three private wells sampled indicated that all results reported are below the parametric values set out in S.I. No. 278 of 2007 with the exception of coliforms. Total coliforms were detected at the three wells samples while facets coliforms were also present at 2006. It should be noted that these wells are no longer used as a source of drinking water as the houses in this area are supplied by the Carlow North Regional	presence of metals detected the presence of Ba, Bo, La, Cr, Cut, Wg, K, Se, Na and Zn. All results are below the respective threshold values set out in S.I. No 9 of 2010. Tetrachloroethene and ethylbenzene were detected at GW2.	threshold value of 187.5mg/l set out in 5.1. No 9 of 2010. Analysis for the	-	covided for the chamical parameters are similar to lead a suit in general the results	GW2 is considered to be down and interest to the same of the same	m o c	was uploaded through EDEN on 12/12/13. This incorporates the requirements of the groundwater monitoring template requested and	A Tier 2 Risk Assessment was carried out during 2013. The associated report	groundwater/contaminated land monitoring results interpretaion as an additional section in this AER	interpretation box below or if you require additional space please include a	Please provide an interpretation of groundwater monitoring data in the	

Groundwater/Soil monitoring template	
Lic No:	
W0139-01	
Year	

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no			ug/I		none detected	Annual	GC / MS	SVOC's	GW4	17/10/2013
no			ctu/ toomi	3	hatacted enon	Annual	GC/MS	VOC's	GW4	17/10/2013
fluctuates			ctu/100ml	0	6500	Annual	MPN Collect Trave	Facal Collidans	GWW GWW	17/10/2013
fluctuates			ug/I	-	66	Allitual	MDNI Colinat Trans	Total California	CIVIA CIVIA	17/10/2013
no			ug/l	ı	<0.5	Annual	CP with MS	Vanadium	GW4	17/10/2013
no			ug/l	-	0.7	Annual	ICP with MS	Uranium	GW4	1//10/2013
no			ug/I	-	<0.5	Annual	ICP with MS	Thallium	GW4	17/10/2013
no	10 N. C. S. C.	150	ng/l	3	8.9	Annual	ICP with MS	Sodium	GW4	17/10/2013
no			ug/l	-	<0.5	Annual	ICP with MS	Selenium	GW4	17/10/2013
no no			mg/l		1.4	Annual	ICP with MS	Potassium	GW4	17/10/2013
00			IP/		0.5	Annual	ICP with MS	Nickel	GW4	17/10/2013
no			118/1		<0.5	Annual	ICP with MS	Molybdenum	GW4	17/10/2013
res			ug/i		20.0	Annual	ICP with MS	Manganese	GW4	17/10/2013
res		10.73	08/1		7.0	Annual	ICP with MS	Magnesium	GW4	17/10/2013
no		10.75	ug/I		400	Annual	CP with MS	lead	GW4	17/10/2013
fluctuates		1500	ug/l		51	Annual	ICP with MS	Iron	GW4	17/10/2013
no		4500	ug/I		<0.5	Annual	CD with MS	Copper	GWA	17/10/2013
Yes		37.5	ug/I		0.21	Annual	CD with Mc	Chalt	CIAM	17/10/2013
Yes			mg/l	_	100	Annual	CD with MS	Caldum	CVV4	7/10/2013
no		3.75	ug/l		<0.5	Annual	ICP with MS	Cadmium	GW4	17/10/2013
Yes			ug/l		50	Annual	ICP with MS	Boron	GW4	1//10/2013
no			ug/l		<0.5	Annual	ICP WITH MIS	Beryllium	GVV4	1//10/2013
Yes			ug/l		57	Annual	ICP with MS	Barium	GW4	17/10/2013
no			ug/l	-	<0.5	Annual	ICP with MS	Arsenic	GW4	17/10/2013
no			ug/l		<0.5	Annual	ICP with MS	Antimony	GW4	17/10/2013
no		150	ug/l		<25	Annual	ICP with MS	Aluminium	GW4	7/10/2013
no			mg/I C		<1.0	Annual		Carbon	GW4	17/10/2013
no	THE STATE OF		mg/I CACO3		217	Annual		Alkalinity	GW4	17/10/2013
no		187.5	mg/I SO4		22	Annual	Chromatography	1	GW4	17/10/2013
res			118/17			Caminda	lon	Sulphate	0	111010
V.			ma/I 6		0.46	Annual	lon Chromatography	Fluoride	GW4	17/10/2013
no			mg/I N		2.3	Annual	discrete analyser/ colourimetric detection	Total Oxidised Nitrogen	GW4	17/10/2013
no			mg/IP		0.01	Annual	discrete analyser/ colourimetric detection	Ortho-Phosphate	GW4	7/10/2013
no		24-187.5	mg/I CI		14	Annual	discrete analyser/ colourimetric detection	Chloride	GW4	17/10/2013
Yes		0.065-0.175	mg/I N		0.11	Annual	discrete analyser/ colourimetric detection	Ammonia	GW4	17/10/2013
no		1875	uS/cm		494	Annual	conductivity meter	Conductivity	GW4	17/10/2013
Yes			pH units		8.2	Annual	pH meter	PH	GW4	17/10/2013
no			% Saturation		22.0	Annual	D.O probe	Dissolved Oxygen	GW4	17/10/2013
no			oC		10.8	Annual	temperature probe	Temperature	GW4	17/10/2013
Upward trend in pollutant concentration over last 5 years of monitoring data	SELECT**	GTVs*	unit	Average Concentration+	Maximum Concentration++	Monitoring frequency	Methodology	Parameter/ Substance	Sample location reference	Date of sampling

<sup>+</sup> where average indicates arithmetic mean
++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Table 2: Dow	Groundwate
ngradient Groundwater r	/Soil monitoring templat
monitoring results	te
	Lic No:
	W0139-01
	Year
	2013

Sample Framework Generation Guide Generation Guide Guid	110			ug/i	Hollo detected	Zinidai	OCT NO	00000	GVVO	1//10/2013
Sample Branchements         Primerchant Sublaturion         Membrokoys Membrokoys De Optione De Option	no			ug/I	none detected	Annual	GC / MS	SOC S	CVVE	17/10/2013
Sample Monthological Control         Administration Selection         Administration (Amount of Controllation)         Accorage (Controllation)	Yes			cfu/100ml	10	Annual	MPN Collect Trays	Faecal Coliforms	GW6	1//10/2013
Sample Information Controlled Co	Yes			cfu/100ml	52	Annual	MPN Collect Trays	Total Coliforms	GW6	17/10/2013
Sample Mondanie         Abgrander Substance         Michichology Horizona         Mondanien Concentration         Abcentage Concentration         Abcentage Concentration         Abcentage Concentration         Accentage Concentration         Accentage Concentration         COV (2014)         SEECT*           0AM6         Emperature Contract analyses         Annual         455         % Substanton         1975         941875           0AM6         Electrical Contract analyses         Annual         455         455         455         455         1975         455           0AM6         Electrical Contract analyses         Annual         455	fluctuates			l/gu	36	Annual	ICP with MS	Zinc	GW6	17/10/2013
Sumple Doubloid         Parameter Importanties         Montboding Importanties         Montboding Importanties         Montboding Importanties         Montboding Importanties         Montboding Importanties         Montboding Importanties         Administ         Administ         Administ         Administ         OTVy-         SELECT**           GAM6         Entried Importanties         LO probe         Administ         6.8         9/4 units         10/5         9/4 units         10/5         9/4 units           GAM6         Entried Importanties         Conductional ordinates         Administ         0.05         mg/l vii         10/5         9/4 units         10/5         9/4 units           GAM6         Entried Include analyzard Older Entried Conductional ordinates         Administ         20         mg/l vi         10/5         9/4 units         9/4 units         10/5         9/4 units	no			ug/I	<0.5	Annual	ICP with MS	Vanadium	GW6	17/10/2013
Sample Indication         Parameter Soldsinore Soldsinor	previously levels were elevated but levels significantly decreased during 2013			1/Bn	Ν	Annual	ICP with MS		GWB	17/10/2013
Sample Isolation reference Que Que Que Que Que Que Que Que Que Qu	Ī			UB/1	6.0	Zimagi	Ci will MO	Uranium	GWW	17710/2010
Sample Incidence reference Control         Parameter/ Substance Substance Control         Machocology Requency Concentration         Machocology Concentration         Machocology Concentration         Average Concentration         Average Concentration         Concentration Concentration         Concentration Concentration         Concentration Concentration         Concentration Concentration         Concentration Concentration         Selector         Selector           GNA6         pri         Exercises Controlled Controlled Controlled Controlled Controlled Controlled Controll	no no		130	1/811	<0.5	Annual	ICP with MS	Thallium	GWA	17/10/2013
Sample Iocalion         Papameteri         Methodology Methodology (requiring)         Monitoring Concentration         Madination of Concentration of Concentration unit of Concentration         GTV-5*         SELECT**           GN66         Despondence Substance (requiring)         Loppoble Annual         7.5         % Statustion         GTV-5*         SELECT**           GN66         Exercisal Conductivity meter         Annual         7.5         % Statustion         1875         Medical Conductivity meter         Annual         4.51         uS/cm         1875         Medical Conductivity meter         Annual         2.0         mg/l N         0.085.0175         Medical Conductivity meter         Annual         2.0	fluctuates		460	ug/l	1.5	Annual	CP WITH MO	Selenium	GWB	17/10/2013
Sample Incodition         Parameters Parameters         Methodology Inspiration         Monitoring Annual         Assembles         Average Concentration         Average Concentration         Average Concentration         Average Concentration         CC         GTVs:         SELECT*           CGM6         Dosperbalane Contraction         Legistrony         Concentration         CC         CV         SELECT*           CGM6         PH         Dosperbalane Contraction         Annual         4.51         USS/cm         1875         Selection           CGM6         Electrical Contraction         Annual         4.51         USS/cm         1875         Selection           CGM6         Electrical Contraction         Annual         2.0         mg/l         0.065-0.175         Mill           CGM6         Electrical Contraction         Annual         2.0         mg/l         24.187.5         Mill           CGM6         Phosphale Contraction         Annual         2.0         mg/l         24.187.5         Mill           CGM6         Phosphale Contraction         Annual         2.0         mg/l         24.187.5         Mill           CGM6         Pall Propagative Contraction         Contraction of the mg/l         Annual         2.0         mg/l         24.187.5	Yes			mg/l	2.7	Annual	ICP with MS	Potassium	GW6	17/10/2013
Sample Incollore         Parameter Parameter         Methodology Methodology Incollor         Monitoring Concentration         Average Concentration         Average Concentration         Average Concentration         Co.C         CIV's         SELECT*           CAMB         pri Incollor         Emperature probe         Annual         11.4         Co.C         CIV's         SELECT*           CAMB         pri Incollor         Emperature probe         Annual         17.5         W.Saturation         Co.C         V.Saturation         Co.C         CO.C         V.Saturation         Co.C         CO.C         CO.C         Co.C         Co.C         V.Saturation         Co.C         Co.C         Co.C         Co.C         Co.C         V.Saturation         Co.C         V.Saturation         Co.C         Co.C         V.Saturation         Co.C         V.Sat	no			ug/I	1.3	Annual	ICP with MS	Nickel	GW6	17/10/2013
Sample Incodition         Parameteria         Methodology Incoded Parameteria         Annual         451         Methodology Incoded Parameteria         Met	no			ug/l	<0.5	Annual	ICP with MS	Molybdenum	GW6	17/10/2013
Sample Iocation         Parameter/ Parameters         Methodology Methodology         Monitoring Incursion         Manitoring Concentration         Average Concentration         Average Concentration         Average On Concentration         Average On Concentration         GTVs*         SELECT*           COM6 GNAS Grandsonva GNAS GNAS GNAS GNAS GNAS GNAS GNAS GNAS	fluctuates	The second second		ug/l	<25	Annual	ICP with MS	Manganese	GW6	17/10/2013
Sample Location Includence Methodology         Maintain Including Methodology         Maintain Including Methodology <th< td=""><td>no</td><td></td><td>10.70</td><td>1/80</td><td>13</td><td>Annual</td><td>ICP with MS</td><td>Magnesium</td><td>GW6</td><td>17/10/2013</td></th<>	no		10.70	1/80	13	Annual	ICP with MS	Magnesium	GW6	17/10/2013
Sample Inference (Inference)         Parameter/ Inference (Inference)         Monitoring (Inference)         Monitoring (Inference)         Average (Inference)         Average (Inference)         Average (Inference)         Average (Inference)         Monitoring (Inference)         Monitoring (Inference)         Monitoring (Inference)         Average (Inference)         Monitoring (Inference)	fluctuates		18 75	ug/I	111	Annual	CP with MS	Iron	GWA	17/10/2013
Sample Localine Following         Parameter Substances         Methocology Importance         Machaning Frequency         Machaning Concentration         Average Concentration         Average Concentration           GW6         Desperature Following         Lemperature probles         Annual         11.4         OC         GTVs*         SELECT**           GW6         Desperature Formation         Lemperature Formation         Annual         15.8         Section         pH units         1875         SELECT**           GW6         Exertical Formation         Conductivity Prefer Colourinetific Odelection         Annual         20         mg/l Cl         24.187.5         <	Yes		1500	ng/l	33	Annual	ICP with MS	Copper	GW6	17/10/2013
Sample Incidion         Palarneteri         Mehodology         Monitoring incidence         Average incidence         Avera	no			ug/l	<0.5	Annual	ICP with MS	Cobalt	GW6	17/10/2013
Sample location         Parameter/ Parameter/ Substance         Monitoring Interference         Monitoring Interference         Monitoring Concentration         Average Concentration         Average Unit         Concentration         GTVs         SELECT*           GW6         Do probe         Annual         11.4         Occ         GTVs         SELECT*           GW6         Interperature         Lend Annual         11.4         Occ         GTVs         SELECT*           GW6         Interperature         Lend Annual         451         WS.strucation         1875         Monitoria           GW6         Interperature         Conductivity meter         Annual         451         uS/rm         1875         Monitoria           GW6         Interperature         Conductivity meter         Annual         451         uS/rm         1875         Monitoria           GW6         Interperature         Conductivity meter         Annual         20         mg/l N         0065-0.175         Monitoria         0006-0.175         Monitoria         0006-0.175         Monitoria         0006-0.175         Monitoria         0065-0.175         Monitoria         0065-0.175         Monitoria         0065-0.175         Monitoria         0065-0.175         Monitoria         0065-0.175         Monitori	fluctuates		37.5	ug/l	13	Annual	ICP with MS	Chromium	GW6	17/10/2013
Sample Incation Interest         Parameter/ Incation Incation         Methodology Incurrency         Monitoring Concentration unit         Average Average         GTVs*         SELECT*           GAM6         Permaneter         Interperature proble         Annual         11.5         Concentration unit         GTVs*         SELECT*           GAM6         Dissolved Owgen         Interperature proble         Annual         11.5         Concentration         Montal         11.75         W. Saturation         11875         Selection           GAM6         Dissolved Owgen         Annual         451         Justica         Interperature         Interperature         Annual         451         Justica         Interperature         Interperature         Annual         451         Justica         Justica         Interperature         Interperature         Annual         451         Justica         Justica         Justica         Justica         Interperature         Annual         451         Justica         Justica         Justica         Justica         Justica         Annual         200         Justica         Justica         Justica         Justica         Justica         Annual         40.25         Justica         Justica         Justica         Justica         Justica         Justica         Justi	fluctuates			mg/l	130	Annual	ICP with MS	Calcium	GW6	17/10/2013
Sample Incation         Parameter/ Substance         Methodology         Monitoring (Fequency         Maximum         Average Concentration         Average (Fequency         Maximum         Average (Fequency         Average (Fequency         Maximum         Average (Fequency	no		3.75	ng/l	<0.5	Annual	ICP with MS	Cadmium	GW6	17/10/2013
Sample location         Parametest         Methodology         Monitoring fequency         Maximum         Average           reference         Substance         Methodology         Mequency         Concentration         unit         oC         STVs*         SELECT**           GM6         Description         Methodology         Fequency         Concentration         unit         oC         STVs*         SELECT**           GM6         Principle         Local Conductivity         Doponobe         Annual         451         uS/cm         1875         Medical Conductivity	Nac			ug/l	28	Annual	ICP with MS	Beryllium	GWA	17/10/2013
Sample location         Parameter/ Substance         Methodology Methodology (Prequency Substance)         Monitoring Maximum (Concentration Concentration Unit Concentration Unit Concentration Unit Concentration Unit Concentration Unit Concentration (Concentration Unit Concentration Unit Concentration Unit Concentration Unit Concentration (Concentration Unit Concentration Unit Concentration Unit Concentration Unit Concentration Unit Concentration Unit Concentration (Concentration Unit Concentration Unit Concentration Unit Concentration Unit Concentration Unit Concentration Unit Concentration (Concentration Unit Concentration Unit Concentration Unit Concentration Unit Concentration Unit Concentration Unit Concentration (Concentration Unit Concentration	Yes			ug/l	160	Annual	ICP with MS	Barium	GW6	17/10/2013
Sample Incidion Incidential Inc	no			ug/l	<0.5	Annual	ICP with MS	Arsenic	GW6	17/10/2013
Sample location         Parameter/ Substance         Methodology (frequency)         Maximum (connectiation)         Average (preference)         Unit (connectiation)         GTVs*         SELECT*           GW6         Temperature (bodding)         Importature (probe (prequency))         Annual         11.4         o.C         GTVs*         SELECT*           GW6         Temperature (probe (propose))         Annual         75         % Saturation         o.C         GTVs*         SELECT*           GW6         Eestrical (propose)         Annual         453          % Saturation             GW6         Eestrical (propose)         Annual         453	no			ug/l	<0.5	Annual	ICP with MS	Antimony	GW6	17/10/2013
Sample location location         Parameter/ substance         Methodology frequency         Monitoring concentration         Average concentration unit         Average concentration         GTVs*         SELECT**           GVM6         Itemperature         Lemperature probe         Annual         11.4         oc         TVs*         SELECT**           GVM6         Dissolved Oxygen         DO probe         Annual         11.4         oc         TVs*         SELECT**           GVM6         Primerature probe         Annual         451         upf         Securication         Monitority         Mon	no	T. M. S.	150	ug/l	<25	Annual	ICP with MS	Aluminium	GW6	17/10/2013
Sample location         Parameter/ Substance         Methodology         Monitoring requency         Madmum Average Concentration Unit         Average Concentration Unit         GTVs*         SELECT*           GW6         Itemperature temperature probe         Annual         11.4         Concentration Unit         oc         GTVs*         SELECT*           GW6         Dissolved Owgen         D.O probe         Annual         75         % Saturation         oc         Methodology         Method	no			mg/I C	<1.0	Annual		Total Organic Carbon	GW6	17/10/2013
Sample location         Parameter/ Substance         Methodology         Monitoring requency         Maximum Concentration Concentration on Unit Concentration on	no			mg/I CACO3	155	Annual		Alkalinity	GW6	17/10/2013
Sample location Parameter/ Independent Substance Independent Substance Independent Substance Independent Substance Independent Substance Independent Substance Independent Independent Substance Independent Independent Substance Independent Independent Substance Independent Independe	no		187.5	mg/I SO4	34	Annual	On Chromatography	Sulphate	GW6	17/10/2013
Sample location Parameter/ substance Methodology frequency Concentration Unit of Concent	no			mg/l F	<0.25	Annual	Chromatography	Fluoride	GW6	17/10/2013
Sample location Parameter/ Methodology Monitoring Maximum Average location Substance Methodology frequency Concentration Concentration oc GTVs* SELECT*  GW6 Personaure Imperature probe Annual 75 % Saturation OC GTVs* SELECT*  GW6 Dissolved Oxygen DO probe Annual 75 % Saturation PH meter Annual 8.8 pH units  Electrical Conductivity meter Annual 451 Us/cm 1875  GW6 Chloride Conductivity Gelection Annual 0.05 mg/l N 0.065-0.175  GW6 Chloride Colourimetric detection Annual 20 mg/l Cl 24-187.5  GW6 Ortho-Phosphate Gelection Annual 0.06 mg/l P	fluctuates			mg/I N	9.7	Annual	colourimetric detection	Total Oxidised Nitrogen	GW6	17/10/2013
Sample location Parameter/ Methodology Monitoring Maximum Average reference Substance Methodology Methodology Concentration unit oc GTVs* SELECT**  GW6 Itemperature probe Annual 11.4 oc GTVs* SELECT**  GW6 PH Dopobe Annual 75 % Saturation pH meter Annual 6.8 pH units pH units oc GTVs*  GW6 Conductivity Conductivity Conductivity Meter Annual George analyser/ Colourimetric Gelection Annual 20 mg/I of Gelection Annual 20 mg/I of Gelection Gelect	no			mg/l P	0.06	Annual	colourimetric detection	Ortho-Phosphate	GW6	17/10/2013
Sample   Sample   Docation   Parameter/   Methodology   Monitoring   Maximum   Average   Concentration   Concentration   Unit   OC   Concentration   Concentration   OC   Concent	no		24-187.5	mg/I Cl	20	Annual	discrete analyser/ colourimetric detection	Chloride	GW6	17/10/2013
Sample location Parameter/ location Substance Methodology Requency Concentration Unit of GTVs* SELECT*  GM6 Imperature Imperature probe Annual 11.4 Concentration oc GTVs* SELECT*  GM6 Internation D.O. probe Annual 75 % Saturation oc Beectrical Conductivity meter Annual 451 us5/cm 1875	no		0.065-0.175	mg/I N	0.05	Annual	discrete analyser/ colourimetric detection	Ammonia	GW6	17/10/2013
Sample location Parameter/ Incertain Substance Methodology Inequency Concentration Unit Concentration Unit of GTVs* SELECT*  GAM5 Imperature Incorpobe Annual 11.4 oc GTVs* SELECT*  GAM6 PH PH meter Annual 6.8 pH units	no		1875	uS/cm	451	Annual	conductivity meter	Conductivity	GW6	17/10/2013
Sample location Parameter/ Substance Methodology Required Propertium Properti				pH units	6.8	Annual	pH meter	рН	GW6	17/10/2013
Sample Sample Parameter/ Docation Parameter/ Substance Methodology frequency Concentration Unit Concentration Unit OC GTVs* SELECT*  GW6 Imperature Imperature Probe Annual 11.4 oc GTVs*		v		% Saturation	75	Annual	D.O probe	Dissolved Oxygen	GW6	17/10/2013
Sample Parameter/ location Parameter/ substance Substance Methodology Monitoring Maximum Average Concentration Concentration unit GTVs* SELECT**					11.4	Annual		Temperature	GW6	17/10/2013
	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data		GTV's*	unit	Maximum Concentration	Monitoring frequency		Parameter/ Substance	Sample location reference	Date of sampling

Table 3: Soil results
Sample
Date of location
sampling reference Groundwater/Soil monitoring template \*\*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 eg. if the site is dose to a drinking water supply, compare results to the Drinking and the Compare to Surface Water Environmental Quality Standards (SVEQS). If the site is dose to a drinking water supply compare results to the Drinking water regulations (private supply). Drinking water (public Interim Guideline SEQS GTVs standards supply) standards values (IGV) please note exceedance of generic assessment criteria (GAQ) such as a Groundwater Threchold Value (GTV) or an interim Guideline Value (GAV) or an upward trend in results for a ubstance 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. Information on the use of soil and groundwater standards/ generic assessment criteria and risk assessment tools is available in the EPA published guidance (see the link in G31). Parameter/ Substance Where additional detail is required please enter it here in 200 words or less Methodology Lic No: W0139-01 SELECT unit Year 2013

4

Ironmental Liabilities and Financial  Ironmental Liabilities and Financial  SELECT  SELECT  STATUS  SELECT  SPECIFY  FOR ELRA status  SPECIFY  FOR ELRA - type  ELRA expiry date  FOR ELRA - type  ELRA expiry date  FOR SELECT  SELEC	ment status  SELECT  SELECT  SELECT  SELECT  SELECT  SPECIFY  Or ELRA status  SPECIFY  A - amount of cover stees status  SELECT  SELECT  SELECT  SPECIFY  SELECT  SELECT  SPECIFY  SELECT  SEL	SELECT  SPECIFY  SPECIFY  SPECT  Enter expiry date  SELECT  SPECT  SPECT  SPECT  SPECT  SPECT  SPECT  SPECT	13	12	11	10	9	∞	7	6	5	4	3 Amount o	2	1	<u>Click her</u>	Environm
SELECT  SPECIFY  SPECIFY  SPECT  Enter expiry date  SELECT  SPECT  SPECT  SPECT  SPECT  SPECT	Commentary  SELECT ELRA not required for the site  SELECT Not Required  Specify  Select Selec	Commentary  SELECT  ELRA not required for the site  SELECT  Not Required  Specify  SELECT  SELECT  Enter expiry date  SELECT  SELECT	Einancial provision for Closure expiry date	Financial Provision for Closure - type	Financial Provision for Closure - amount of cover	Financial Provision for Closure status	Closure plan 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	ental Liabilities template
Commentary  ELRA not required for the site			Eptor owning data	SELECT	Specify	SELECT	SELECT	SELECT	Enter expiry date	SELECT	Specify	SELECT	Specify	SELECT	SELECT		Lic No:
														Not Required	ELRA not required for the site	Commentary	W0139-01

-

**************************************		Environmental Management Programme/Continuous Improvement Programme template	ne template	Lic No:
		Highlighted cells contain dropdown menu click to view		
	Н	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in		
	2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	N/A	5075 GV
	ω	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	e N/A	V-v-t
	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	

Objective Category	Target	Status (% completed)	How target was progressed Responsibility	Responsibility	Intermediate outcomes
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT

				Noise  Sensitive  Date of  Moise location location -NSL  monitoring Time period (on site) (if applicable) LA <sub>eq</sub> LA <sub>90</sub>	Table N1: Noise monitoring summary	Noise monitoring a licence requirement for the AER period?  If yes please fill in table N1 noise summary below  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?  Does your site have a noise reduction plan  When was the noise reduction plan last updated?  Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?
				LA <sub>10</sub> LA <sub>max</sub>		Lic No:  Noise Guidance note NG4
			SELECT	Tonal or Impulsive noise* (Y/N)		W0139-01  No  SELECT  SELECT  Enter date  SELECT
			SELECT	If tonal /impulsive noise was identified was 5dB penalty applied?		Year
				Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)		2013
			SELECT	Is <u>site</u> compliant with noise limits (day/evening/night)?		<u></u>

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

The requirement to carry out noise monitoring at the site was removed from the licence in 2011

\*\* please explain the reason for not taking action/resolution of noise issues?

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

SELECT

### Additional information

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

Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage Industry Energ Network (LIEN

Enter date of audit	
	Carlow County
	Council is
	participating in SEAI
Yes	Energy MAP

SEAI - Large

Table R1 Energy usage on site	on site			
			Production +/- % compared to	Energy Consumption +/- %
			orting	vs overall site
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)	/Hrs)			
Electricity Consumption (MWHrs)	6.244	4.859	4.859 22% reduction	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)				
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

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

Public supply Recycled water Water use Groundwater Surface water Table R2 Water usage on site Previous year m3/yr. Water extracted Current year m3/yr. Water extracted 53% increase previous reporting vs overall site year\*\* production\* compared to Production +/- % Energy Consumption +/- % Volume Discharged environment(m yr): back to Water Emissions Water Consumption environment e.g. released as steam discharged to Volume used i.e not Unaccounted for Water:

<sup>\*\*</sup> where site production information is available please enter percentage increase or decrease compared to previous year

I dole to waste offer	ream summary				
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

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

	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				

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 Complaints and Incidents summary template Lic No: Additional information W0139-01

lable	lable I 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	Resolution date	informati
	SELECT	THE REAL PROPERTY.				SELECT		
	SELECT					SELECT		
	SELECT					SELECT		
	SELECT	1894				SELECT		
	SELECT	7 X 187				SELECT		
Total complaints								
open at start of								
reporting year		0						
Total new	5							
complaints								
received during								
reporting year		0						
Total complaints								
closed during								
reporting year		0						
Balance of								
complaints end of								
reporting year		0						

Additional information

\*For information on how to report and what What is an incident

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below

Yes All incidents relate to breach of ELV for CO2 at off-site landfill gas monitoring locations

				Other	Activity in				Preventative		
		Incident category*please		cause	cause(please progress at	2017		Corrective action<20	action <20	Resolution	likelihood of
Date of occurrence Incident nature	Location of occurrence	refer to guidance	Receptor	Cause of incident specify)	fy) time of incident	dent Communication	Occurrence	words		Resolution status date	
11/11/2013 Breach of ELV	LG5	1. Minor	Air	Other (add details Land)	Other (add details Landfill Gas migrat Normal activities	ies EPA	Recurring	ue to monitor	CO2 mo	ng End 2014	Modium
24/10/2013 Breach of ELV	LG7	1. Minor	Air	Other (add details Landf	Other (add details Landfill Gas migrat Normal activities	ies EPA	Recurring		install CO2 mg Ongoing		Mading
19/09/2013 Breach of FIV	IGS	1 Minor	Air	Other fadd details lands	fill Gas migrat Normal activity			-1	000000000000000000000000000000000000000	PTO 2 DIES	Mediaii
00/00/2013 Breach - FEIV	100		2	Other (add details Land	Other (and details Landrill Gas migrat Normal activities	ies EPA	Recurring	continue to monitor	install CO2 mo Ongoing	ng End 2014	Medium
Ob/08/2013 Breach of ELV	LGS	1. Minor	Air	Other (add details Landf	Other (add details Landfill Gas migrat Normal activities	ies EPA	Recurring	continue to monitor	install CO2 mo Ongoing	ng End 2014	Medium
10/07/2013 Breach of ELV	LG5	1. Minor	Air	Other (add details Landf	Other (add details Landfill Gas migrat Normal activities	ies EPA	Recurring	continue to monitor	install CO2 mo Ongoing		Medium
25/06/2013 Breach of ELV	LG5	1. Minor	Air	Other (add details Landf	Other (add details Landfill Gas migrat Normal activities	ies EPA	Recurring	- 1	install CO2 mo Ongoing		Modium
30/05/2013 Breach of ELV	LG5, LG6	1. Minor	Air	Other (add details Landf	Other (add details Landfill Gas migrat Normal activities	ies EPA	Recurring		install CO2 mo Ongoing		Modium
26/03/2013 Breach of ELV	LG6, LG7	1. Minor	Air	Other (add details Landf	Other (add details Landfill Gas migrat Normal activities	ies EPA	Recurring		install CO2 mg Ongoing	No.	Modium
26/02/2013 Breach of ELV	LG6, LG7	1. Minor	Air	Other (add details Landf	Other (add details Landfill Gas migrat Normal activities	ies EPA	Recurring		install CO2 mo Ongoing	100 mm	Modium
Total number of						- 1		- 1	0		THE COLONIA
incidents current											
year	9										
Total number of											
incidents previous											
Vear	9										

year % reduction/

SELECT UNIT SELECT UNIT	SELECT UNIT SEI									1 3 3 5 1 5 1 7 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
Lined disposal area occupied by Unlined area waste	Total disposal Lin area occupied by area waste was	Accepted asbestos in reporting year	Is there a separate cell for asbestos?	Licence permits asbestos	Predicted date to cease landfilling	lact or non-hazardous	Private or Public Operated	Currently land filling	Date landfilling ceased	Date landfilling commenced	Area ID
										Table 3 General information-Landfill only	Table 3 General inf
							Comments	Remaining Beensed capacity at end of reporting year (m3)	Actual intake for disposal in reporting year (tpa)	Authorised/licenced annual intake for disposal ((p.a.)	Waste types permitted for disposal
									NLY	SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY Table 2 Waste type and tonnage-landfill only	SECTION D-TO BE C
					N/A N/A				? 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 re 7 Do you have an odour m 8 Do you maintain a sludge
					N/A	quired onsite on site	ocessing infrastructure re-	:e? If no please list waste p If no please list waste store	d approved by the Agency in plan	4 is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site	4 Is all waste processing in 5 Is all waste storage infra
					ES	ities etc) EXCEPT LANDFILL SIT	aterial recovery facil	ions, Composters, M	TIES (waste transfer stat	SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES	SECTION C-TO BE C
								European Waste Catalogue EWC codes		European Waste Catalogue EWC codes	
	year (tonnes)							relevant EWC code			
Comments -	Quantity of waste remaining on site at the end of reporting	Packaging Content (%) Disposal/Recovery or treatment only applies if the waste operation carried out at your has a packaging site and the description of this operation.	Packaging Content (%)- only applies if the waste has a packaging component		Reduction/ Increase over previous year +/ - %	Quantity of waste accepted in previous reporting year (tonnes)	Quantity of waste accepted in current reporting year (tonnes)	Description of waste accepted Please enter an accurate and detailed description	Source of waste accepted	EWC code	Licenced annual tonnage limit for your site (total tonnes/annum)
		RTR workbook)	have been reported in your PRTR workbook)		te, as these w	dditional information /astes generated at your si	the quantity in tonnes in ac	reland? If yes please state osal or treatment	nerated outside the Republic of I	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information  Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will	Table 1 Details o
					No		e additional information	ive a brief explanation in th	nt reporting year? If yes please g	2 Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	2 Did your site have any re
		accepted at the site.	Site closed on 31/12/2009. Waste is no longer accepted at the site.	Site closed on 31/12/2	No					RTR reporting) in table 1 below	to be captured through PRTR reporting)  If yes please enter details in table 1 below
				Additional Illionnation		te generated within your boundaries is	ries of your facility ?; (was	disposal within the bounda	r treatment prior to recovery or	Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is	Were any wastes accepte
				Additional Information				ID WASTE FACILITIES	MPLETED BY ALL IPPC AN	SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES	SECTION B- WASTE
		dropdown list click to see options			PRTR facility logon	STE FACILITIES	Y ALL IPPC AND WA	TO BE COMPLETED B	WASTE TRANSFERS TAB-	SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES	SECTION A-PRTR O
		2013	Year		W0139-01	Lic No:					WASTE SUMMARY

Table 7 Landfill Gas-Landfill only  Gas Captured&Treated  by 1.FG System m3  Power rote  Power rote  The control of the contro	Volume of leachate in reporting year(m3)	please note this includes daily cover area Table 6 Leachate-Landfill only Is leachate from your site treated in a Was Is leachate released to surface water? If y	Area uncapped* A	.+ please refer to Landfill Manual linke Table 5 Capping-Landfill only	Was meterological monitoring in compliance with Landfill Directive (LD) standard in reporting warr+	Table 4 Environment
Please ensure that all information reported in the landfill gas section is consistent with the landfill Gas Survey submitted in conjunction with PRTR returns landfill only  Was surface enhalous.  Was surface enhalous.  More provided with the landfill gas Section is consistent with the landfill Gas Survey submitted in conjunction with PRTR returns landfill only.	Leachate (BOD) mass load (kg/annum)	*please note this includes daily cover area  Table 6 Leachate-Landfill only  Table 6 Leachate-Landfill only  9 is leachate from your site treated in a Waste Water Treatment Plant?  10 is leachate released to surface water? If yes please complete leachate mass load information below	Area with temporary cap SELECT UNIT	.+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards Table 5 Capping-Landfill only	Was leachate monitored in compliance with LD standard in reporting year	Table 4 Environmental monitoring-landfill only
ported in the landfill gas section is:	Leachate (COD) mass load (kg/annum)	nt? hate mass load information below	Area with final cap to LD Standard m2 ha, a	Directive monitoring standards	Was Landfill Gas monitored in compliance with LD standard in reporting year	Landfill Manual-Monitoring Standards
consistent with the Landfil  Was surface emissions monitoring performed during the reporting year?	Leachate (NH4) mass load (kg/annum)		Area capped other		Was SW monitored in compliance with LD standard in reporting year	dards
Gas Survey submitted in Comments	Leachate (Chloride) mass load kg/annum		Area with waste that should be permanently capped to date under licence		Have GW trigger levels been established	
conjunction with PRTR returns	Leachate treatment on-site		What materials are used in the cap		Were emission limit values agreed with the Agency (ELVA)	Lic No:
	Specify type of leachate treatment	SELECT SELECT	Comments		Was topography of the site surveyed in reporting year	W0139-01
	Comments				Has the statement under \$55(A)(5) of WMA been submitted in reporting year	
					Comments	Year
						2013

| PRTR# · W0139\_Redum Year · Raroldstown Transfer Station | Filename | w0139\_2013(1) xls | Return Year · 2013 |

### Guidance to completing the PRTR workbook

### **AER Returns Workbook**



Environmental Protection Agency

2013	<b>YEAR</b>	BELEBENCE	Y

M0139-01	Licence Number
M0139	PRTR Identification Number
Haroldstown Transfer Station	Facility Name
Carlow County Council	Parent Company Name
	1. FACILITY IDENTIFICATION

Waste or IPPC Classes of Activity

Number of Employees
Number of Operating Hours in Year
Number of Installations
MILE AUDIO A HODONDOLL
Production Volume Production Volume Units
AER Returns Contact Fax Number
AER Returns Contact Mobile Phone Number
AER Returns Contact Telephone Number
AER Returns Contact Position
AER Returns Contact Email Address
AER Returns Contact Name
Main Economic Activity
AND STAN
River Basin District
Coordinates of Location
Country
Address 4
Address 3
S ssanbA
f searbbA
ליל
4.3
4.2
61.4
3.13
3.12
3 234

	Web Address
entered as 1 in order to upload the file.	
upload the file. The number of employees is 0 but had to be	
inserted in the treatment and transfer of waste section in order to	
31/12/2009. Waste is no longer accepted at the site. One row was	
Haroldstown Waste transfer Station ceased operatins on	

### 2. PRTR CLASS ACTIVITIES

Activity Name	Activity Number
General	1.00
General	1.03

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

	Do you import/accept waste onto your site for on-
Guidance on waste imported/accepted onto site	4. WASTE IMPORTED/ACCEPTED ONTO SITE
	į pəsn
	ls the reduction scheme compliance route being
	Schedule 2 of the regulations) ?
	If applicable which activity class applies (as per
	Have you been granted an exemption ? No
	Is it applicable? No
	(7007 10 040 :011 :110) 0110111 (7007) 01111

10	Do you import/accept waste onto your site for on-
	site treatment (either recovery or disposal
	Schivities)

### 4.1 RELEASES TO AIR

### Link to previous years emissions data

## SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

* Sele		No. Annex II		POLLUTAN	を 1 mm 1
<ul> <li>Select a row by double-clicking on the Pollutant Name (Colun</li> </ul>		Name		TANT	RELEASES TO AIR
he Pollutant Name (Column B) then click the delete button		M/C/E   Method Code   Designation or Description	Method Used	METHOD	はいることがあるできたとの意思をあるというという
	0.0	Emission Point 1		g 3, 7	Please enter all quantities
	0.0	T (Total) KG/Year A (Accidental) KG/Year F (Fugitive)		QUANTITY	s in this section in KGs

## SECTION B: REMAINING PRTR POLLUTANTS

		No. Annex II			日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日
* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button		Name		POLLUTANT	RELEASES TO AIR
olumn B) then click the delete button		M/C/E   Method Code   Designation or Description	Method Used	METHOD	
	0.0 0.0 0.0 0.0	tion Emission Point 1 T (Total) KG/Year A (Accidental) KG/Year F (Fugitive) KG/Year		QUANTITY	Please enter all quantities in this section in KGs

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

		Pollutant No.			
* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button		Name		POLLUTANT	RELEASES TO AIR
lumn B) then click the delete button		M/C/E   Method Code	Me	METHOD	
		Designation or Description	Method Used	OD	<b>信仰の日本のではなったとればな</b>
	0.	Emission Point 1			Please enter all quantities
	0	T (Total) KG/Year			s in this section in KGs
	0.0	A (Accidental) KG/Year		QUANTITY	の かんと はれない はいないに
	0.0	F (Fugitive) KG/Year		The second second	このは 地域の大学をはるのでは

## 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 Met methane (CH4) emission to the environment und T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:	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) KGyr for Section A: Sector specific PRTR pollutants above. Please complete the table below:					
Landfill:	Haroldstown Transfer Station					
Please enter summary data on the quantities of methane flared and / or utilised			Meth	Method Used		
	T (Total) kg/Year	MICH	Method Code	Designation or	Facility Total Capacity m3	
Total estimated methane generation (as per	0.0				N/A	
Methane flared	0.0					(Total Flaring Capacity)
Methane utilised in engine/s	0.0	0			0.0	0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A	

**4.2 RELEASES TO WATERS** 

Link to previous years emissions data

SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANI							QUANTITY	
				Method Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year

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

## SECTION B: REMAINING PRTR POLLUTANTS

	No. Annex II		PC	
	Name		POLLUTANT	RELEASES TO WATERS
0.0	M/C/E   Method Code   Designation or Description   Emission Point 1	Method Used		Please enter all quantities
.0 0.0 0.0	T (Total) KG/Year A (Accidental) KG/Year F (Fugitive) KG/Year		QUANTITY	s in this section in KGs

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

	· Pollutant No.	Pi		SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)	
	Name	POLLUTANT	RELEASES TO WATERS	ISSIONS (as required in your Licence)	The second secon
	M/C/E M				the same named when the same
	ethod Code				the state of the second second
	M/C/E Method Code Designation or Description	Mothod Hood	はないおおおいてはなかが		
0	Emission Point 1		Please enter all quantities in this section in KGs		
0 00	T (Total) KG/Year		s in this section in KGs		
0	A (Accidental) KG/Year F (Fugitive) KG/Year	QUANTITY			
00	F (Fugitive) KG/Year				

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

### 4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

SATAN FAMINA ALIPE PLONGER AND A LANGUAGE AND A STATE OF THE SATE OF THE SATE

		No. Annex II				SECTION A: PRTR POLLUTANTS
* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete butto		Name		POLLUTANT	OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER	TANTS
ne (Column B) then click the delete button		M/C/E   Method Code   Designation or Description	Method Used	METHOD	WASTE-WATER TREATMENT OR SEWER	
	0.0 0.0 0.0 0.0	n Emission Point 1 T (Total) KG/Year A (Accidental) KG/Year F (Fugitive) KG/Year		QUANTITY	Please enter all quantities in this section in KGs	

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

M/C/E Method Code Designation or Description Emission Point 1

Please enter all quantities in this section in KGs

0.0

T (Total) KG/Year

0.0

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

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)
OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER

Page 1 of 1

Link to previous years emissions data

4.4 RELEASES TO LAND

### Link to previous years emissions data

# and the second of the contract of the second of the second

SECTION A: PRTR POLLUTANTS

	RELEASES TO LAND			Please enter all qua	ntities in this section in Ko	GS
	POLLUTANT		METHOD			QUANTITY
			Method Used			
No. Annex II	Name	M/C/E Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Yea
					0.0	0.0
	* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button	ame (Column B) then click the delete button				

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

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

# 5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE Please enter all quantities on this sheet in Tonnes

Within the Country 20 03 01	Transfer Destination	
20 03 01	European Waste Code	
No	Hazardous	
0.0		Quantity (Tonnes per Year)
0.0 mixed municipal waste	Description of Waste	
D15	Waste Treatment Operation	
Z	nt M/C/E	
Weighed	Waste Treatment Operation M/C/E Method Used	Method Used
Offsite in Ireland	Location of Treatment	
Powerstown Landfill W0025- PowerstownCarlowIrelan 03		Haz Waste: Name and Licence/Permit No of Next Destination Facility Haz Waste: Name and Licence/Permit No of Recover/Disposer
Powerstown,.,Carlow,.,Irelan		Haz Waste Address of Next Destination Facility Non Haz Waste Address of Recover/Disposer
		Name and License / Permit No. and Address of Final Destination Address of Final Recovery Let Final Recovery Disposal Site (HAZARDOUS WASTE OUT).
		me and Leense / Permit No. and Address of Final Recovery / Actual Address of Final Destination Report (HAZARDOUS WASTE ONLY) HAZARROUS WASTE ONLY)