

Facility Information Summary	
AER Reporting Year	2012
Licence Register Number	W0139-01
Name of site	Haroldstown Waste Transfer Station
Site Location	Haroldstown, Tullow, Co. Carlow
NACE Code	3821
Class/Classes of Activity	Class 2,3,4,12,13
National Grid Reference (6E, 6 N)	_6.65946, 52.8462
<p>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 <b>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.</b></p> <p>Haroldstown Waste Transfer Station (HWTS) is a closed site and no longer accepts any waste or material for recyc</p>	

**Declaration:**

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

<i>Mary Walsh</i>	<i>21/03/2013</i>
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

**AIR-summary template** Lic No: W0139-01 Year 2012

Answer all questions and complete all tables where relevant

1 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

Additional information	
Yes	Monitoring of boundary gas wells only.

**Periodic/Non-Continuous Monitoring**

2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below

Yes	Some Boundary Gas wells exceeded the ELV for CO2. These results are reported on the complaints-Incidents sheet. All other gas results were compliant with ELVs. All results are included in quarterly reports submitted to the EPA.
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3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? [Basic air monitoring checklist](#) [AGN2](#)

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

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

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

<b>AIR-summary template</b>	Lic No:	W0139-01	Year	2012
<b>Continuous Monitoring</b>				

4	Does your site carry out continuous air emissions monitoring? If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)	No	
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below	N/A	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	N/A	
7	Did your site experience any abatement system bypasses? If yes please detail them in table 4 below	N/A	

**Table A2: Summary of average emissions -continuous monitoring**

Emission reference no:	Parameter/ Substance	ELV in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
	SELECT			SELECT	SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					

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

**Table A3: Abatement system bypass reporting table** [Bypass protocol](#)

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

\* 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**

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5

No	
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<b>Table A4: Solvent Management Plan Summary</b>	<a href="#">Solvent regulations</a> Please refer to linked solvent regulations to complete table 5 and 6
<b>Total VOC Emission limit value</b>	

Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site	Total VOC emissions as %of solvent	Total Emission Limit Value (ELV) in licence or any revision thereof	Compliance
					SELECT
					SELECT

<b>Table A5: Solvent Mass Balance summary</b>								
	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
Total								

Additional information	
1 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 licensed emissions you only need to complete table W1 and or W2 for surface water analysis and visual inspections	No
2 Was it a requirement of your licence to carry out visual inspections on any surface water 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	Yes

Table W1 Surface water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW1	Upstream	Chlorides (as Cl)	SELECT	27/02/2012	N/A	N/A	12	mg/L	SELECT	
SW1	Upstream		pH	27/02/2012	N/A	N/A	7.4	pH units		
SW1	Upstream		Temperature	27/02/2012	N/A	N/A	9.2	degrees C		
SW1	Upstream		Conductivity	27/02/2012	N/A	N/A	205	µS/cm @20oC		
SW1	Upstream		Dissolved Oxygen	27/02/2012	N/A	N/A	116	mg/L		
SW1	Upstream		Ammonia (as N)	27/02/2012	N/A	N/A	0.05	mg/L		
SW1	Upstream		BOD	27/02/2012	N/A	N/A	<1	mg/L		
SW1	Upstream		COD	27/02/2012	N/A	N/A	<20	mg/L		
SW1	Upstream		Suspended Solids	27/02/2012	N/A	N/A	<5	mg/L		
SW2	Downstream	Chlorides (as Cl)	SELECT	27/02/2012	N/A	N/A	12	mg/L		
SW2	Downstream		pH	27/02/2012	N/A	N/A	7.4	pH units		
SW2	Downstream		Temperature	27/02/2012	N/A	N/A	9.6	degrees C		
SW2	Downstream		Conductivity	27/02/2012	N/A	N/A	205	µS/cm @20oC		
SW2	Downstream		Dissolved Oxygen	27/02/2012	N/A	N/A	112	mg/L		
SW2	Downstream		Ammonia (as N)	27/02/2012	N/A	N/A	0.03	mg/L		
SW2	Downstream		BOD	27/02/2012	N/A	N/A	<1	mg/L		
SW2	Downstream		COD	27/02/2012	N/A	N/A	<20	mg/L		
SW2	Downstream		Suspended Solids	27/02/2012	N/A	N/A	<5	mg/L		
		SELECT	SELECT			SELECT		SELECT	SELECT	

\*trigger values may be agreed by the Agency outside of licence conditions

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

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

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

3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below	N/A	Additional information
4 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	N/A	Additional information

Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereo <sup>note 2</sup>	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT			

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

**Continuous monitoring**

5 Does your site carry out continuous emissions to water/sewer monitoring? Additional Information

No	
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If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

6 Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

N/A	
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7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

N/A	
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8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

N/A	
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**Table W4: Summary of average emissions -continuous monitoring**

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

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

**Table W5: Abatement system bypass reporting table**

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

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

<b>Bund/Pipeline testing template</b>	Lic No: W0139-01	Year: 2012	
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**Bund testing**

dropdown menu click to see options

Are you required by your licence to undertake integrity testing on bunds and containment structures on site, in addition to all bunds which failed the integrity test-all bunding structures which failed including mobile bunds must be listed in the table below

- 1 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 "Chemstore")
- 3 type units and mobile bunds
- 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 bund test schedule?
- 8 How many of these mobile bunds have been tested within the required test schedule?
- 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 integrity failures in table B1
- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?

Additional information	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	

Table B1: Summary details of bund /containment structure integrity test														
Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

\* Capacity required should comply with 25% or 100% containment rule as detailed in your licence

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?

- 14 Are channels/transfer systems to remote containment systems tested?
- 15 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
SELECT	
SELECT	
SELECT	

**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

- 1 underground structures and pipelines on site which failed the integrity test
- 2 Please provide integrity testing frequency period

No	
SELECT	

Table B2: Summary details of pipeline/underground structures integrity test												
Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)	
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT	

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

<b>Groundwater/Soil monitoring template</b>	Lic No: W0139-01	Year 2012
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		Comments	
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	
2	Are you required to carry out soil monitoring as part of your licence requirements?	no	
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no	
4	Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	yes	
5	Is the contamination related to operations at the facility (either current and/or historic)	yes	Historic
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	yes	Currently carrying out Risk Assessment
7	Please specify the proposed time frame for the remediation strategy	SELECT	
8	Is there a licence condition to carry out/update ELRA for the site?	no	
9	Has any type of risk assesment been carried out for the site?	yes	
10	Has a Conceptual Site Model been developed for the site?	yes	
11	Have potential receptors been identified on and off site?	yes	
12	Is there evidence that contamination is migrating offsite?	no	Unknown

**Table 1: Upgradient Groundwater monitoring results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
27/02/2012	GW4	pH	pH Meter	Annual	7.2		pH units				no
27/02/2012	GW4	conductivity	conductivity meter	Annual	459		uS/cm	1875		2.23	no
27/02/2012	GW4	ammonia (N)	discrete analyser, colourimetric detection	Annual	<0.01		mg/l	0.065-0.175			no
27/02/2012	GW4	chloride	discrete analyser, colourimetric detection	Annual	19		mg/l	24-187.5			no
27/02/2012	GW4	ortho-phosphate	discrete analyser, colourimetric detection	Annual	0.07		mg/l			-46.15	no
27/02/2012	GW4	TON	discrete analyser, colourimetric detection	Annual	9.63		mg/l			10.05	no
27/02/2012	GW4	Fluoride	Ion Chromatography	Annual	<0.5		mg/l				no
27/02/2012	GW4	Sulphate	Ion Chromatography	Annual	<50		mg/l	187.5			no
27/02/2012	GW4	TOC	combustion and IR	Annual	<0.5		mg/l				no
27/02/2012	GW4	Total Coliforms	MNP Colilert trays	Annual	41		cfu/100ml				no
27/02/2012	GW4	Faecal Coliforms	MNP Colilert trays	Annual	<10		cfu/100ml				no
27/02/2012	GW4	Aluminium	ICP with MS	Annual	<25		ug/l	150			no
27/02/2012	GW4	Cadmium	ICP with MS	Annual	<0.5		ug/l	3.75			no



Groundwater/Soil monitoring template				Lic No:	W0139-01	Year	2012			
27/02/2012	GW4	Calcium	ICP with MS	Annual	66		mg/l		69.23	no
27/02/2012	GW4	Chromium	ICP with MS	Annual	2.5		ug/l	37.5	177.78	no
27/02/2012	GW4	copper	ICP with MS	Annual	51		ug/l	1500	264.28	yes
27/02/2012	GW4	Iron	ICP with MS	Annual	47		ug/l			fluctuates
27/02/2012	GW4	Lead	ICP with MS	Annual	0.7		ug/l	18.75	-58.82	no
27/02/2012	GW4	Magnesium	ICP with MS	Annual	4.5		mg/l		21.6	no
27/02/2012	GW4	Manganese	ICP with MS	Annual	<25		ug/l			no
27/02/2012	GW4	Mercury	ICP with MS	Annual	<0.5		ug/l	0.75		no
27/02/2012	GW4	Potassium	ICP with MS	Annual	2.1		mg/l		4.54	no
27/02/2012	GW4	Sodium	ICP with MS	Annual	13		mg/l	150	18.18	no
27/02/2012	GW4	Zinc	ICP with MS	Annual	270		ug/l		629	yes
							SELECT			SELECT

.+ where average indicates arithmetic mean

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

**Table 2: Downgradient Groundwater monitoring results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
27/02/2012	GW6	pH	pH Meter	Annual	7.7		pH units				no
27/02/2012	GW6	conductivity	conductivity meter	Annual	460		uS/cm	1875		-6.31	no
27/02/2012	GW6	ammonia (N)	discrete analyser, colourimetric detection	Annual	0.04		mg/l	0.065-0.175			no
27/02/2012	GW6	chloride	discrete analyser, colourimetric detection	Annual	15		mg/l	24-187.5		7.14	no
27/02/2012	GW6	ortho-phosphate	discrete analyser, colourimetric detection	Annual	<0.01		mg/l				no
27/02/2012	GW6	TON	discrete analyser, colourimetric detection	Annual	<0.2		mg/l				no
27/02/2012	GW6	Fluoride	Ion Chromatography	Annual	0.53		mg/l			-3.64	no
27/02/2012	GW6	Sulphate	Ion Chromatography	Annual	<50		mg/l	187.5			no
27/02/2012	GW6	TOC	combustion and IR	Annual	1.2		mg/l				data not available
27/02/2012	GW6	Total Coliforms	MNP Colilert trays	Annual	20		cfu/100ml				no
27/02/2012	GW6	Faecal Coliforms	MNP Colilert trays	Annual	<10		cfu/100ml				no
27/02/2012	GW6	Aluminium	ICP with MS	Annual	<25		ug/l	150			no
27/02/2012	GW6	Cadmium	ICP with MS	Annual	0.8		ug/l	3.75			no
27/02/2012	GW6	Calcium	ICP with MS	Annual	63		mg/l			70.27	no
27/02/2012	GW6	Chromium	ICP with MS	Annual	1.4		ug/l	37.5		75	no

Groundwater/Soil monitoring template					Lic No:	W0139-01	Year	2012	
27/02/2012	GW6	copper	ICP with MS	Annual	64	ug/l	1500	2106	fluctuates
27/02/2012	GW6	Iron	ICP with MS	Annual	12000	ug/l		2976	fluctuates
27/02/2012	GW6	Lead	ICP with MS	Annual	1	ug/l	18.75	-37.5	no
27/02/2012	GW6	Magnesium	ICP with MS	Annual	12	mg/l		69.01	no
27/02/2012	GW6	Manganese	ICP with MS	Annual	820	ug/l			fluctuates
27/02/2012	GW6	Mercury	ICP with MS	Annual	<0.5	ug/l	0.75		no
27/02/2012	GW6	Potassium	ICP with MS	Annual	2.5	mg/l		31.58	yes
27/02/2012	GW6	Sodium	ICP with MS	Annual	15	mg/l	150	36.36	no
27/02/2012	GW6	Zinc	ICP with MS	Annual	310	ug/l		1837	yes
						SELECT			SELECT

\* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

\*\*Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), if the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

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

## Groundwater/Soil monitoring template

Lic No:

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Year

2012

Table 3: Soil results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit
							SELECT
							SELECT

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

[Click here to access EPA guidance on Environmental Liabilities and Financial provision](#)

		Commentary	
1	ELRA initial agreement status	SELECT	ELRA not required for the site
2	ELRA review status	SELECT	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
4	Financial Provision for ELRA status	SELECT	
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	SELECT	
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	SELECT	
13	Financial provision for Closure expiry date	Enter expiry date	

**Environmental Management Programme/Continuous Improvement Programme template** Lic No: W0139-01 Year 2012

Highlighted cells contain dropdown menu click to view

Additional Information

1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	No	EMS was maintained while site was operational but no longer required.
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	No	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	No	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	

**Environmental Management Programme (EMP) report**

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

**Noise monitoring summary report** Lic No: W0139-01 Year 2012

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

[Noise Guidance note NG4](#)

**Table N1: Noise monitoring summary**

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
								SELECT	SELECT		SELECT

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

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

SELECT

The requirement to carry out noise monitoring at the site was removed from licence requirements following the assessment carried out in 2010.

## Resource Usage/Energy efficiency summary

Lic No:

W0139-01

Year

2012

## Additional information

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- 2 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
- 3 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

SEAI - Large Industry Energy Network (LIEN)	no
	N/A

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	3.061	6.244		
Fossil Fuels Consumption:	0	0		
Heavy Fuel Oil (m3)	0	0		
Light Fuel Oil (m3)	0	0		
Natural gas (CMN)	0	0		
Coal/Solid fuel (metric tonnes)	0	0		
Peat (metric tonnes)	0	0		
Renewable Biomass	0	0		
Renewable energy generated on site	0	0		

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

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

Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions	Water Consumption	Unaccounted for Water:
					Volume Discharged back to environment(m <sup>3</sup> /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	
Groundwater	0	0					
Surface water	0	0					
Public supply	7.345	1.329					
Recycled water	0	0					
Total							

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

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

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	0				
Non-Hazardous (Tonnes)	0				

<b>Resource Usage/Energy efficiency summary</b>	Lic No:	W0139-01	Year	2012
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Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

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

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







<b>WASTE SUMMARY</b>	Lic No:	W0139-01	Year	2012
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**Table 4 Environmental monitoring-landfill only** [Landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in 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 under S53(A)(5) of WMA been submitted in reporting year	Comments

.-> please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

**Table 5 Capping-Landfill only**

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m <sup>2</sup> ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					

\*please note this includes daily cover area

**Table 6 Leachate-Landfill only**

9 Is leachate from your site treated in a Waste Water Treatment Plant?

SELECT

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

SELECT

Volume of leachate in reporting year(m <sup>3</sup> )	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH <sub>4</sub> ) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

**Table 7 Landfill Gas-Landfill only**

Gas Captured&Treated by LFG System m <sup>3</sup>	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	



Environmental Protection Agency

| PRTR# : W0139 | Facility Name : Haroldstown Transfer Station | Filename : w0139\_2012(1).xls | Return Year : 2012 |

[Guidance to completing the PRTR workbook](#)

# AER Returns Workbook

<b>REFERENCE YEAR</b>	2012
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## 1. FACILITY IDENTIFICATION

Parent Company Name	Carlow County Council
Facility Name	Haroldstown Transfer Station
PRTR Identification Number	W0139
Licence Number	W0139-01

### Waste or IPPC Classes of Activity

No.	class_name
3.12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
4.13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.

Address 1	Haroldstown
Address 2	Tullow
Address 3	Co Carlow
Address 4	
	Carlow
Country	Ireland
Coordinates of Location	-6.65946 52.8462
River Basin District	IESE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
<b>AER Returns Contact Name</b>	Mary Walsh
<b>AER Returns Contact Email Address</b>	mwalsh@carlowcoco.ie
<b>AER Returns Contact Position</b>	Environmental Technician
<b>AER Returns Contact Telephone Number</b>	0599172402
<b>AER Returns Contact Mobile Phone Number</b>	0879064165
<b>AER Returns Contact Fax Number</b>	0599146356
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	tonnes
<b>Number of Installations</b>	1
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	1
<b>User Feedback/Comments</b>	This is a closed site. Waste is no longer accepted at the site. 1 blank line was inserted into the treatment and transfer of waste section in order to upload the file. Number of employees had to be input as 1 to upload the file.
<b>Web Address</b>	

**2. PRTR CLASS ACTIVITIES**

Activity Number	Activity Name
50.1	General
50.1	General

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

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

**4. WASTE IMPORTED/ACCEPTED ONTO SITE**

[Guidance on waste imported/accepted onto site](#)

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

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

Additional Data Requested from Landfill operators

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

Landfill: Haroldstown Transfer Station

Please enter summary data on the quantities of methane flared and / or utilised	T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity m3 per hour
			Method Code	Designation or Description	
Total estimated methane generation (as per site model)	0.0				N/A
Methane flared	0.0				0.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this onl

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

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

**SECTION B : REMAINING PRTR POLLUTANTS**

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

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

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

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

\* 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](#)

Print | Refresh | Home | Back | Forward | Close

**SECTION A : PRTR POLLUTANTS**

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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



4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

SECTION A : PRTR POLLUTANTS

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

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

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

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
Pollutant No.	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Please enter all quantities on this sheet in Tonnes

3

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