

Facility Information Summary

Licence Register Number  
 Name of site  
 Site Location  
 NACE Code  
 Class of Activity  
 RBME risk category  
 National Grid Reference (6E, 6 N)

W0034-02
Dundalk Landfill Site & Civic Waste Facility
Newry Road, Dundalk, County Louth
3821
Third Scheldule(11,12,13), Fourth Scheldule(2,3,4,10,11,13)
N/A

A brief description of the activities/process at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance improvements which were measured during the reporting year;

Dundalk Landfill Site has been in operation since 1980. In 2000 Dundalk Town Council submitted an application to the Environmental Protection Agency (EPA) for the continued operation of the landfill site, as required by the Waste Management (Licensing) Regulations 1997. The landfill site ceased to accept waste in October 2002. The landfill site was restored in 2006. Works include installation of capping layer, provision of storm water drainage, leachate collection trench, provision of gas collection system, provision of gas flare, grading of site and the provision of access road. Gas abstraction system provided on site includes for a Gas collection layer and 47 No boreholes laid out on a grid system over the main body of the site. The boreholes are connected via 63mm. diameter pipework to a 250mm diameter main gas collection pipe which transfers the gas collected, under suction, provided by compressor, and to the 500 m3 enclosed Flare Unit. There is also a CWF and MRF located on site. The waste intake at the CWF and MRF is limited to 20,000 tonnes per annum of municipal waste and construction & demolition waste. The licence also allows composting of biodegradable waste and green waste to 4,000 tonnes per annum. There where no infrastructural changes during the reporting year.

**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.

Damien Holmes	19/06/2012
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

**AER summary template-AIR emissions**

Additional information

1 Does your site have licensed air emissions? If yes please complete table 1, 2 and 3 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 5 and 6) you only need to complete table 1 fugitive emissions on site below

Yes	
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**Table 1 Fugitive emissions**

Parameter /Substance	Annual fugitive emission (kg/annum)	Quantificaton method M/C/E
Methane (CH4)	381896	C

**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 Table 2 below

No	
Yes	Not using the basic air monitoring checklist. Monitoring was undertaken prior to issue of basic air monitoring checklist

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](#)

**Table 2: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)**

Emission reference no:	Parameter/ Substance	Date of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	% change in mass load from previous year +/-	Comments
Flare Stack	Nitrogen oxides (NOx/NO2)	13/04/2012	150	no 30 minute mean value shall exceed the emission limit value	34.85	mg/Nm3	yes	OTH	148.92	NA	Emission limit for NOx only. Analytical
	Carbon monoxide (CO)		None	no 30 minute mean value shall exceed the emission limit value	0	mg/Nm3	yes	OTH	0	NA	
	Sulphur oxides (SOx/SO2)		None	no 30 minute mean value shall exceed the emission limit value	4.27	mg/Nm3	yes	OTH	17.52	NA	
	Carbon dioxide (CO2)		None	no 30 minute mean value shall exceed the emission limit value	NM	mg/Nm3	yes	OTH		NA	
	volumetric flow		None		490	Nm3/hour	yes	OTH		NA	
Biofilter air monitoring											
Biofilter 1	Ammonia (NH3)	06/07/2011	50	Emissions from the biofilter shall not exceed those ELV's as set out in Schedule C: Emission Limits, of the licence.	22	ppm	Yes	OTH	NA		
	Hydrogen sulphide	06/07/2011	5	Emissions from the biofilter shall not exceed those ELV's as set out in Schedule C: Emission Limits, of the licence.	0	ppm	yes	OTH	NA		
	Mercaptans	06/07/2011	5	Emissions from the biofilter shall not exceed those ELV's as set out in Schedule C: Emission Limits, of the licence.	0	ppm	yes	OTH	NA		
Biofilter 2	Ammonia (NH3)	06/07/2011	50	Emissions from the biofilter shall not exceed those ELV's as set out in Schedule C: Emission Limits, of the licence.	19	ppm	yes	OTH	NA		
	Hydrogen sulphide	06/07/2011	5	Emissions from the biofilter shall not exceed those ELV's as set out in Schedule C: Emission Limits, of the licence.	0	ppm	yes	OTH	NA		
	Mercaptans	06/07/2011	5	Emissions from the biofilter shall not exceed those ELV's as set out in Schedule C: Emission Limits, of the licence.	0	ppm	yes	OTH	NA		
Biofilter 1	Ammonia (NH3)	14/12/2011	50	Emissions from the biofilter shall not exceed those ELV's as set out in Schedule C: Emission Limits, of the licence.	19	ppm	yes	OTH	NA		
	Hydrogen sulphide	14/12/2011	5	Emissions from the biofilter shall not exceed those ELV's as set out in Schedule C: Emission Limits, of the licence.	0	ppm	yes	OTH	NA		
	Mercaptans	14/12/2011	5	Emissions from the biofilter shall not exceed those ELV's as set out in Schedule C: Emission Limits, of the licence.	0	ppm	yes	OTH	NA		



**AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)**

Additional information

1 Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table 3 and 4 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you only need to complete table 1 and /table 2 below for ambient monitoring and visual inspections

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 2 below summarising only any evidence of contamination noted during visual inspections

Yes	
No	

**Table 1 Ambient 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
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

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

**Table 2 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 3 below

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

Yes	
No	Monitoring in 2011 was undertaken prior to issue of checklist. Monitoring for 2012 will be undertaken in accordance with guidance and checklist for 2012 reporting.

**Table 3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)**

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Date of Monitoring	Averaging period	ELV or trigger values in licence or any revision thereof <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)	% change in mass load from previous year +/-	Comments
S1	Wastewater/Sewer	BOD	discrete	Quarterly	Annual	750	All results < 1.2 x ELV	66.42	mg/L	yes	Red Oxygen Meter (Electrode)	I.S. (Irish Standard)	ISO 5667-1:2006 ISO 5667-3:2003	NA	NA	Flow measurement not
		COD	discrete	Quarterly	Annual	1000	All results < 1.2 x ELV	389	mg/L	yes	Spectrophotometry (Colorimetric)	I.S. (Irish Standard)	ISO 5667-3:2003	NA	NA	
		pH	discrete	Quarterly	Annual	6 to 9	All results < 1.2 x ELV	7.16	pH units	yes	pH Meter (Electrode)	I.S. (Irish Standard)	ISO 5667-3:2003	NA	NA	
		Suspended Solids	discrete	Quarterly	Annual	1000	All results < 1.2 x ELV	328	mg/L	yes	Gravimetric analysis	I.S. (Irish Standard)	ISO 5667-3:2003	NA	NA	
		Sulphate	discrete	Quarterly	Annual	30	All results < 1.2 x ELV	40.43	mg/L	yes	Ion Chromatography	I.S. (Irish Standard)	ISO 5667-1:2006 ISO 5667-3:2003 ISO 5667-11:1997	NA	NA	

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

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

**Continuous monitoring**

Additional Information

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

If yes please summarise your continuous monitoring data below in Table 4 and compare it to its relevant Emission Limit Value (ELV)

6 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 4 below

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

8 Did abatement system bypass occur during the reporting year? If yes please complete table 5 below

**Table 4: 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)	% compliance current 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 5: 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





**Groundwater /Contaminated land summary report**

	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?	yes
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
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 was undertaken in accordance with Condition 4.14 of the
10 Has a Conceptual Site Model been developed for the site?	yes
11 Have potential receptors been identified on and off site?	yes The site is unlined and lies adjacent to the Castletown Estuary and above two aquifers.
12 Is there evidence that contamination is migrating offsite?	yes Site is unlined. Leachate migrates from the landfill to underlying groundweater which utimately discharges to the estuary.

**Table 1: Upgradient Groundwater monitoring results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	IGV	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
2011	WM1	<b>Alkalinity</b>	Titrimetry	Annual	408		mg/l				data not available
		<b>Aluminium</b>	ICP-MS	Annual	<5		ug/l	150	0.2		data not available
		<b>Ammonia</b>	Aquakem Auto-analyser using phenate	Monthly	0.87	0.18	mg/l	65-175	0.15	-42	data not available
		<b>B.O.D.</b>									data not available
		<b>Boron</b>	ICP-MS	Annual	6		ug/l	750	1		data not available
		<b>Cadmium</b>	ICP-MS	Annual	<0.1		ug/l	3.75	0.005		data not available
		<b>Calcium</b>	ICP-MS	Annual	118.01		ug/l		200		data not available
		<b>C.O.D.</b>		Annual	0		mg/l				data not available



		<b>Chloride</b>	Aquakem Auto-analyser using ferricyanide method	Monthly	623	515.22	mg/l	24-187.5	30	-134%	data not available
		<b>Chromium</b>	ICP-MS	Annual	0.7		ug/l	37.5	0.03		data not available
		<b>Conductivity</b>	Conductivity Meter	Monthly	3060	5710		800-1875	1000	12%	data not available
		<b>Copper</b>	ICP-MS	Annual	4.6		ug/l	1500	0.03		data not available
		<b>Cyanide</b>	Continuous Flow Analyser using in-line ultraviolet irradiation and flash distillation	Annual	<0.05		mg/l	37.5	0.01		data not available
		<b>D.O.</b>	Dissolved Oxygen Meter	Quarterly	46	36				48%	data not available
		<b>Fluoride</b>	Ion Chromatog	Annual	<0.150		mg/l		1		data not available
		<b>Iron</b>	ICP-MS	Annual	48.3		ug/l		0.2		data not available
		<b>Lead</b>	ICP-MS	Annual	<0.5		ug/l	18.75	0.01		data not available
		<b>Magnesium</b>	ICP-MS	Annual	59.58		mg/l		50		data not available
		<b>Manganese</b>	ICP-MS	Annual	10.8		ug/l		0.05		data not available
		<b>Mercury</b>	ICP-MS	Annual	<0.05		ug/l	0.75	0.001		data not available
		<b>Nickel</b>	ICP-MS	Annual	<0.5		ug/l	15	0.02		data not available
		<b>o-Phosphate</b>	analyser using	Annual	<0.02		mg/l		0.03		data not available
		<b>pH</b>	pH Meter	Quarterly	7.5	7.4		6.5- 9.5		1%	data not available
		<b>Potassium</b>	ICP-MS	Annual	21.34		mg/l		5		data not available
		<b>Residue on Evaporation</b>		Annual	1802		mg/l				data not available
		<b>Sodium</b>	ICP-MS	Annual	463.85		mg/l	150	150		data not available
		<b>Sulphate</b>	Ion Chromatograph y	Annual	225.7		mg/l	187.5	200		data not available
		<b>T.O.C.</b>	TOC Analyser using high temperature combustion method	Quarterly	1.8	2	mg/l			50%	data not available
		<b>T.O.N</b>	Aquakem Auto-analyser using colorimetric determination	Annual	1.33		mg/l				data not available
		<b>Total S Solids</b>									data not available
		<b>Zinc</b>	ICP-MS	Annual	3		ug/l		0.1		data not available

.+ 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*	IGV	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
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2011	WM8	Alkalinity	Titrimetry	Annual	1470		mg/l					data not available
		Aluminium	ICP-MS	Annual	81.6		ug/l	150	0.2			data not available
		Ammonia	Aquakem Auto-analyser using phenate method	Monthly	130.15	89.90	mg/l	65-175	0.15		-696%	data not available
		B.O.D.										data not available
		Boron	ICP-MS	Annual	1865.3		ug/l	750	1			data not available
		Cadmium	ICP-MS	Annual	0.1		ug/l	3.75	0.005			data not available
		Calcium	ICP-MS	Annual	237.68		ug/l		200			data not available
		C.O.D.		Annual			mg/l					
		Chloride	Aquakem Auto-analyser using ferricyanide method	Monthly	6792	1906.44	mg/l	24-187.5	30		32%	data not available
		Chromium	ICP-MS	Annual	3		ug/l	37.5	0.03			data not available
		Conductivity	Conductivity Meter	Monthly	3660	12454.44		800-1875	1000		51%	data not available
		Copper	ICP-MS	Annual	5.4		ug/l	1500	0.03			data not available
		Cyanide	Continuous Flow Analyser using in-line ultraviolet irradiation and flash distillation	Annual	<0.05		mg/l	37.5	0.01			data not available
		D.O.	Dissolved Oxygen Meter	Quarterly	20	17					-35%	data not available
		Fluoride	Ion Chromatography	Annual	<0.150		mg/l		1			data not available
		Iron	ICP-MS	Annual	11859.6		ug/l		0.2			data not available
		Lead	ICP-MS	Annual	1.9		ug/l	18.75	0.01			data not available
		Magnesium	ICP-MS	Annual	87.61		mg/l		50			data not available
		Manganese	ICP-MS	Annual	2996.8		ug/l		0.05			data not available
		Mercury	ICP-MS	Annual	<0.05		ug/l	0.75	0.001			data not available
		Nickel	ICP-MS	Annual	15.2		ug/l	15	0.02			data not available
		o-Phosphate	Aquakem Auto-analyser using ascorbic acid method	Annual	0.24		mg/l		0.03			data not available
		pH	pH Meter	Quarterly	7.8	7.0		6.5- 9.5			1%	data not available
		Potassium	ICP-MS	Annual	83.36		mg/l		5			data not available
		Residue on Evaporation		Annual	2015		mg/l					data not available

		Sodium	ICP-MS	Annual	249.89		mg/l	150	150		data not available
		Sulphate	Ion Chromatography	Annual	15.3		mg/l	187.5	200		data not available
		T.O.C.	using high	Quarterly	107.6	103	mg/l			58%	data not available
		T.O.N	analyser using	Annual	0.16		mg/l				data not available
		Total S Solids									data not available
		Zinc	ICP-MS	Annual	36.6		ug/l		0.1		data not available
	WM10	Alkalinity	Titrimetry	Annual	nm		mg/l				data not available
		Aluminium	ICP-MS	Annual	28.7		ug/l	150	0.2		data not available
		Ammonia	Aquakem Auto-analyser using phenate method	Monthly	70.12	24.10	mg/l	65-175	0.15	-35%	data not available
		B.O.D.			0						data not available
		Boron	ICP-MS	Annual	1475		ug/l	750	1		data not available
		Cadmium	ICP-MS	Annual	<0.1		ug/l	3.75	0.005		data not available
		Calcium	ICP-MS	Annual	85.7		ug/l		200		data not available
		C.O.D.		Annual	0		mg/l				data not available
		Chloride	Aquakem Auto-analyser using ferricyanide method	Monthly	1952	1670.11	mg/l	24-187.5	30		data not available
		Chromium	ICP-MS	Annual	0.9		ug/l	37.5	0.03	9%	data not available
		Conductivity	Conductivity Meter	Monthly	66600			800-1875	1000		data not available
		Copper	ICP-MS	Annual	5	13821.11	ug/l	1500	0.03	52%	data not available
		Cyanide	Continuous Flow Analyser using in-line ultraviolet irradiation and flash distillation	Annual	<0.05		mg/l	37.5	0.01		data not available
		D.O.	Dissolved Oxygen Meter	Quarterly	33	25				4%	data not available
		Fluoride	Ion Chromatography	Annual	0.15		mg/l		1		data not available
		Iron	ICP-MS	Annual	2211.1		ug/l		0.2		data not available
		Lead	ICP-MS	Annual	0.6		ug/l	18.75	0.01		data not available
		Magnesium	ICP-MS	Annual	125.98		mg/l		50		data not available
		Manganese	ICP-MS	Annual	192.7		ug/l		0.05		data not available
		Mercury	ICP-MS	Annual	<0.05		ug/l	0.75	0.001		data not available

		Nickel	ICP-MS	Annual	4.1		ug/l	15	0.02		data not available
					0.03						
		o-Phosphate	Aquakem Auto-analyser using ascorbic acid method	Annual			mg/l		0.03		data not available
		pH	pH Meter	Quarterly	7.3	7.2			6.5- 9.5	0%	data not available
		Potassium	ICP-MS	Annual	82.85		mg/l		5		data not available
		Residue on Evaporation		Annual	3567		mg/l				data not available
		Sodium	ICP-MS	Annual	1044.07		mg/l	150	150		data not available
		Sulphate	Ion Chromatography	Annual	115.9		mg/l	187.5	200		data not available
		T.O.C.	TOC Analyser using high temperature combustion method	Quarterly	34.3	132.03	mg/l			-545%	data not available
		T.O.N	Aquakem Auto-analyser using colorimetric determination	Annual	0.26	0.84	mg/l			-223%	data not available
		Total S Solids			0						data not available
		Zinc	ICP-MS	Annual	12.1		ug/l		0.1		data not available
											data not available
											data not available
							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 \(IGV\)](#)

**Table 3: Soil results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit
06/10/2011	SW5- SW9	Cyanide	TM 181	Annually	<1	<1	mg/kg
	Sediment samples	Cadmium	TM 182	Annually	1.15	0.853	mg/kg
		Chromium	TM 183	Annually	41.4	37.12	mg/kg
		Copper	TM 184	Annually	23.3	30.76	mg/kg
		Lead	TM 185	Annually	45.6	36.8	mg/kg
		Manganese	TM 186	Annually	675	456.8	mg/kg
		Mercury	TM 187	Annually	<0.14	<0.14	mg/kg
		Nickel	TM 188	Annually	36.8	31.6	mg/kg
		Zinc	TM 189	Annually	255	199.7	mg/kg

management system at the site. The report recommended that the Best Practicable Environmental Option for the remediation of Dundalk landfill is the capping of the landfill with a low permeability liner augmented by monitored natural attenuation. Groundwater remediation of the Quaternary gravel aquifer impacted by Dundalk landfill leachate is reliant on both the landfill capping intervention and on monitored in-situ natural attenuation processes. The landfill site was restored in 2006. Works include installation of capping layer, provision of storm water drainage, leachate collection trench, provision of gas collection system, provision of gas flare, grading of site and the provision of



**Environmental Management Programme (EMP)/Continuous Improvement Programme**

Highlighted cells contain dropdown menu click to view		Additional Information
1	Do you maintain an Environmental Mangement System for the site. If yes, please detail in additional information	Yes Landfill Site is closed. CWF in operation
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	Yes Landfill Site is closed. CWF in operation
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
Additional improvements	To allow further growth of flora & fauna diversity by not cutting the grass on the landfill & restricting other activities.	50	For 2012 there is an intention now to closely crop some areas of the landfill to encourage the growth of native wild plants at the expense of existing grasses etc. this will be done in consultation and with advice of local environmental groups.	Individual	Improved Environmental Management Practices
Additional improvements	In addition an environmental survey of the stream bounding the site was carried out during 2011,	50	It is intended to follow this up with another survey & examine whether any leakage of leachate from the site into this stream by examining the systems whereby surface water collection is drained into this stream.	Individual	Improved Environmental Management Practices
SELECT		SELECT		SELECT	SELECT

**Noise Monitoring Report Summary**

1 Was noise monitoring a licence requirement for the AER period?  
If yes please fill in table 1 noise summary below

Yes

2 Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?

[Draft Noise Guidance](#)

No

3 Does your site have a noise reduction plan

No

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

**Table 1: 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 site compliant with noise limits (day/evening/night)?
08/02/2011	20 minute	N1		68.1	58.6	71.4		No	SELECT	Heavy constant traffic	No
08/02/2011	20 minute	N2		53.2	48.7	53.7		No		Road Traffic Noise	Yes
08/02/2011	20 minute	N3		61.6	57.3	61		No		To rear of property, traffic, with some audible commercial activity (use LA90)	No
08/02/2011	20 minute	N4		68.4	48.7	72.3		No		New housing development traffic on Racecourse Road (use LA90)	No
03/03/2011	15 minute	N1		61.2	42.3	64		No		Old Newry Road still busy	No
03/03/2011	15 minute	N2		51.6	45.7	53.8		No		Near to junction/rear of property	No
03/03/2011	15 minute	N3		46.3	38.6	49.5		No		To rear of property, traffic noise	No
03/03/2011	15 minute	N4		55.1	41	48.6		No		New housing development	No

\*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?

nothing\*\*

In general, noise from other activities around the site, including traffic movement and other commercial operations, generate greater noise impact than the landfill operations themselves at the boundaries and location points. The flare was not audible at noise measurement locations and the higher noise

Monitoring for 2012 will be undertaken in accordance with EPA guidance and monitoring checklist.



Resource usage/ Energy Efficiency

- 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 \(LIEN\)](#)

Additional information	
	No energy audit has been undertaken for
no	
SELECT	

Energy Use	Previous year kWh	Current year kWh	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total				
Electricity	17599	13963	-21%	CWF in operation. Landfill site is closed. Fan speed of the enclosed LFG flare was reduced in 2011
Fossil Fuels:				
Heavy Fuel Oil				
Light Fuel Oil				
Natural gas				
Coal/Solid fuel				
Renewable energy generated on site				

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

Water use	Previous year m3/yr.	Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Groundwater				
Surface water				
Public supply	2900	3210	10	CWF in operation only.
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

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					

**SECTION A-PRTR WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES**

PRTR facility logon

dropdown list click to see options

**SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES**

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 to be captured through PRTR reporting)

Additional Information	
Yes	CWF: grade & segregate waste from municipal

If yes please enter details in table 1 below

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

No	
----	--

3 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

No	
----	--

**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 have been reported in your PRTR workbook)**

Licenced annual tonnage limit for your site (total tonnes/annum)	EWG code	Source of waste accepted	Description of waste accepted <b>Please enter an accurate and detailed description - which European Waste Catalogue EWC codes</b>	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/Increase over previous year +/- %	Reason for reduction/increase from previous reporting year	Packaging Content (%) - only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
E.g.	07 05 04*	07- WASTES FROM ORGANIC CHEMICAL PROCESSES	other organic solvents, washing liquids and mother liquors	22	12	83%		0%	SELECT		Brought onto site from sister IPPC plant
E.g.	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	biodegradable kitchen and canteen waste	10	20	-50%		0%	SELECT		
	20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Organic waste garden	2702	2827	-4%			R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	glass packaging	452	606				R5-Recycling/reclamation or other inorganic materials which includes soil cleaning resulting in recovery of the soil and recycling of inorganic construction materials		
	20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	other metals (non-packaging)	308	177				R4- Recycling/reclamation of metals and metal compounds		
	15 01 03	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	wood packaging	802	433				R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	wood non-packaging	400	1020				R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 01 11	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	textiles , non packaging	18	20				R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 01 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Newspaper and magazines	500	220						

	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic Packaging	680	719							
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed residual food waste	490	60						D1-Deposit into or onto land	
	16 06 01	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Non portable automotive and industrial	5.04	4							
	16 06 04	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Portable	1.5	1							
	13 XX XX	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Lubrications, vehicles etc	5.8	4.5							
	20 01 25	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Cooking oil	3.5	5.9							
	20 01 28	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Waste Paint and Varnish	3.6	3							
	17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Building Rubble	943	1778						D1-Deposit into or onto land	
	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING	cardboard packaging	1024	1978	-48%					R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation	

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

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

N/A	
SELECT	
SELECT	

5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site

Yes	
No	Only CA SITE
N/A	

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?

**SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY**

**Table 2 Waste type and tonnage-landfill only**

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
e.g. Household (residual)	30,000	22,000	120,000	
e.g. Industrial non hazardous solids	500	60		

**Table 3 General information-Landfill only**

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Cell 8													

**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
In accordance with waste licence + please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards	In accordance with waste licence	In accordance with waste licence	In accordance with waste licence	No	No	No	No	Dundalk landfill site is closed. The landfill site was restored in 2006. Works include installation of capping layer (geosynthetic clay liner), provision of storm water drainage, leachate collection trench, provision of gas collection system, provision of gas flare.

**Table 5 Capping-Landfill only**

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m2 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					
		The site is unlined and an area of approximately 79,000 m2 has been capped.			tbc	Dundalk landfill site is closed. The landfill site was restored in

\*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?

N/A
SELECT

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

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments

Please ensure that all 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 m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
746114	N/A		No	Not required by licence

[Guidance to completing the PRTR workbook](#)

# AER Returns Workbook

Version 1.1.13

<b>REFERENCE YEAR</b>	2011
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## 1. FACILITY IDENTIFICATION

Parent Company Name	Dundalk Town Council
Facility Name	Dundalk Landfill & Civic Waste Facility
PRTR Identification Number	W0034
Licence Number	W0034-02

### Waste or IPPC Classes of Activity

No.	class_name
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
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.
4.10	The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.
4.11	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
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.
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
Address 1	Newry Road
Address 2	Dundalk
Address 3	Co. Louth
Address 4	
	Louth
Country	Ireland
Coordinates of Location	-6.39622 54.0147
River Basin District	GBNIIENB
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
<b>AER Returns Contact Name</b>	Peter McVeigh
<b>AER Returns Contact Email Address</b>	peter.mcveigh@dundalktown.ie
<b>AER Returns Contact Position</b>	Landfill Manager
<b>AER Returns Contact Telephone Number</b>	042 9332276
<b>AER Returns Contact Mobile Phone Number</b>	0860437922
<b>AER Returns Contact Fax Number</b>	042 9392910
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	0
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	0
<b>User Feedback/Comments</b>	
<b>Web Address</b>	

## 2. PRTR CLASS ACTIVITIES

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

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

Is it applicable?	
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 ?	

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR# : W0034 | Facility Name : Dundalk Landfill & Civic Waste Facility | Filename : W0034\_2011aer.xls | Return Year : 2011 |

19/06/2012 15:40

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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
03	Carbon dioxide (CO2)	C	OTH			0.0	0.0	0.0
01	Methane (CH4)	C	OTH		512104.0	894000.0	40908.0	340988.0

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

**SECTION B : REMAINING PRTR POLLUTANTS**

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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

\* 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)**

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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

\* 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: Please enter summary data on the quantities of methane flared and / or utilised	Dundalk Landfill & Civic Waste Facility				
	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)	894000.0	C	OTH	calculated from site model & flow	N/A
Methane flared	512104.0	C	OTH	calculated from site model &	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)	381896.0	C	OTH	calculated from site model &	N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : W0034 | Facility Name : Dundalk Landfill & Civic Waste Facility | Filename : W0034\_2011aer.xls | Return Year : 2011 |

19/06/2012 15:40

**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 only concerns Releases from your facility

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](#)

| PRTR# : W0034 | Facility Name : Dundalk Landfill & Civic Waste Facility | Filename : W0034\_2011a

19/06/2012 15:40

**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 Used	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Designation or Description				
				0.0	0.0	0.0	0.0
79	Chlorides (as Cl)	C	OTH	283.0	283.0	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	C	OTH	2.74	2.74	0.0	0.0
06	Ammonia (NH3)	C	OTH	154.0	154.0	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 Used	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			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



4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : W0034 | Facility Name : Dundalk Landfill & Civic Waste Facility | Filename : W0034\_2011aer.xls | Return Year : 2011 |

19/06/2012 15:40

SECTION A : PRTR POLLUTANTS

POLLUTANT		METHOD		Please enter all quantities in this section in KGs			
RELEASERS TO LAND		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
					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)

POLLUTANT		METHOD		Please enter all quantities in this section in KGs			
RELEASERS TO LAND		METHOD		QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	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

| PRTR#: W0034 | Facility Name : Dundalk Landfill & Civic Waste Facility | Filename : W0034\_2011aer.xls | Return Year : 2011 |

19/06/2012 15:40

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 03	No	1118.0	street-cleaning residues	D1	M	Weighed	Onsite of generati	V & W Recycling Whiteriver Landfill Co Louth,WCP/MH/200190C	V&W Recycling to Whiteriver Landfill Co	Dundalk Civic Amenity Site,Newry Road,Dundalk,,,Ireland	Dundalk Civic amenity Site,Newry Road,Dundalk ,,.,Ireland		
Within the Country	20 01 99	No	490.0	other fractions not otherwise specified	D1	M	Weighed	Onsite of generati	Louth,WCP?MH?2001/90C					

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

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)