

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)

W0014-01
Silliot Hill Integrated Waste Management Facility
Brownstown, Kilcullen, Co. Kildare
e WMA: Class 4, 6, 7, 11, 12, 13. Foruth Schedule WMA: Class 2, 3, 4
A 3
285834 211426

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;

The site comprises a WTS, Civic Amenity Site and a Closed Landfill. The In-Vessel Composting Facility and the Sludge Treatment Facility have not been in operation for several years. A concession contract for the operation of the WTS and Civic Amenity was awarded to Oxigen Environmental in 2011. Oxigen Environmental took over the operations of these areas on the 8th December 2011. There was a decrease in waste volumes coming into the WTS. The Kildare County Council bin collection was sold during 2011 to AES, therefore the bin collections were not coming through the site.

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

_____	_____
Signature Group/Facility manager <small>(or nominated, suitably qualified and experienced deputy)</small>	Date

**Complaints**

Additional information

Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below

No	
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Table 1 Complaints summary							
Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
Total complaints open at start of reporting year							
Total new complaints received during reporting year							
Total complaints closed during reporting year							
Balance of complaints end of reporting year							

**Incidents**

Additional information

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

Yes	
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\*For information on how to report and what constitutes an incident [What is an incident](#)

Table 2 Incidents summary														
Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurrence
25/01/2011	Trigger level reached	Licenced discharge point (type in reference here)	1. Minor	Ground	Operational controls		Normal activities	EPA	Recurring	LFG pumping trial & Gas Migration investigation	In process of procuring new flare	Ongoing	NA	High
25/02/2011	Trigger level reached	G103, G104D, G104S, G105, G400-07	1. Minor	Ground	Operational controls		Normal activities	EPA	Recurring	LFG pumping trial & Gas Migration investigation	In process of procuring new flare	Ongoing	NA	High
29/03/2011	Trigger level reached	G103, G104D, G104S, G105, G109S, G400-07	1. Minor	Ground	Operational controls		Normal activities	EPA	Recurring	LFG pumping trial & Gas Migration investigation	In process of procuring new flare	Ongoing	NA	High



**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?	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
6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	yes Capping of the Landfill completed March 2009.
7 Please specify the proposed time frame for the remediation strategy	yes Complete
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?	yes

**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	PW 2-09	Electrical Conductivity		Quarterly	692	648	µS/cm @ 20	NA	1000	-24%	SELECT
2011	PW 2-09	Ammonia as N		Quarterly	0.105	0.034	mg/l	175 ug/l		-69%	SELECT
2011	PW 2-09	Sodium		Quarterly	16	13.25	mg/l	150	150	-41%	
2011	PW 2-09	Chloride		Quarterly	33.4	26.7	mg/l	NA	30	-10%	
2011	PW 2-09	TON		Quarterly	10.14	8.43	mg/l	NA	NAC	-20%	
2011	PW 2-09	Potassium		Quarterly	2	1.2	mg/l	NA	5	-26%	

2011	PW 2-09	Phenols		Quarterly	<5	<5	ug/l	NA	0.5		
2011	PW 2-09	TOC		Quarterly	10.14	8.43	mg/l	NA	NAC		-11%
2011	PW 2-09	Total Coliforms		Quarterly	3	0.75	cfu/100ml	NA	0		-114%
2011	PW 2-09	Faecal Coliforms		Quarterly	0	0	cfu/100ml	NA	0		-200%
2011	PW 2-09	Iron		Quarterly	<10	<10	ug/l	NA	0.2		-62%
2011	BH 9D	Electrical Conductivity		Quarterly	1408	1306	µS/cm @ 20	NA	1000		14%
2011	BH 9D	Ammonia as N		Quarterly	0.518	0.174	mg/l	175 ug/l			41%
2011	BH 9D	Sodium		Quarterly	91	75.5	mg/l	150	150		5%
2011	BH 9D	Chloride		Quarterly	1850.5	646.87	mg/l	NA	30		126%
2011	BH 9D	TON		Quarterly	7.76	5.48	mg/l	NA	NAC		-46%
2011	BH 9D	Potassium		Quarterly	11	9.75	mg/l	NA	5		10%
2011	BH 9D	Phenols		Quarterly	<5	<5	ug/l	NA	0.5		-100%
2011	BH 9D	TOC		Quarterly	2.01	1.66	mg/l	NA	NAC		-118%
2011	BH 9D	Total Coliforms		Quarterly	13	3.25	cfu/100ml	NA	0		-194%
2011	BH 9D	Faecal Coliforms		Quarterly	7	1.75	cfu/100ml	NA	0		-197%
2011	BH 9D	Iron		Quarterly	30750	11069	ug/l	NA	0.2		196%
											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*	IGV	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
2011	BH 4-07	Electrical Conductivity		Quarterly	2200	2147	µS/cm @ 20	NA	1000	-48%	SELECT
2011	BH 4-07	Ammonia as N		Quarterly	208	178.7	mg/l	175 ug/l		-22%	
2011	BH 4-07	Sodium		Quarterly	214	204	mg/l	150	150	-58%	
2011	BH 4-07	Chloride		Quarterly	275.97	263.32	mg/l	NA	30	-6%	
2011	BH 4-07	TON		Quarterly	<0.1	<0.1	mg/l	NA	NAC	-107%	
2011	BH 4-07	Potassium		Quarterly	87	86.67	mg/l	NA	5	-19%	
2011	BH 4-07	Phenols		Quarterly	<1.5	0.8	ug/l	NA	0.5	-170%	
2011	BH 4-07	TOC		Quarterly	74.8	66.5	mg/l	NA	NAC	-88%	
2011	BH 4-07	Total Coliforms		Quarterly	103000	36313	cfu/100ml	NA	0	198%	
2011	BH 4-07	Faecal Coliforms		Quarterly	0	0	cfu/100ml	NA	0	0	
2011	BH 4-07	Iron		Quarterly	12560	9160	ug/l	NA	0.2	182%	

2011	PW 11	Electrical Conductivity		Quarterly	626	437	µS/cm @ 20	NA	1000	5%	
2011	PW 11	Ammonia as N		Quarterly	0.16	0.094	mg/l	175 ug/l		-6%	
2011	PW 11	Sodium		Quarterly	7	6.33	mg/l	150	150	-42%	
2011	PW 11	Chloride		Quarterly	11.8	9.8	mg/l	NA	30	-18%	
2011	PW 11	TON		Quarterly	4.69	3.01	mg/l	NA	NAC	35%	
2011	PW 11	Potassium		Quarterly	4	3.33	mg/l	NA	5	-29%	
2011	PW 11	Phenols		Quarterly	<5	2	ug/l	NA	0.5	-85%	
2011	PW 11	TOC		Quarterly	1.65	1.626	mg/l	NA	NAC	-94%	
2011	PW 11	Total Coliforms		Quarterly	870	518	cfu/100ml	NA	0	-148%	
2011	PW 11	Faecal Coliforms		Quarterly	550	185	cfu/100ml	NA	0	173%	
2011	PW 11	Iron		Quarterly	1707	619	ug/l	NA	0.2	147%	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
							SELECT
							SELECT

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





		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	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	

Environmental Management Programme (EMP) report					
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Materials Handling/Storage/Bunding	Increase throughput of domestic customers, where possible	50	Privatisation of WTS & CA resulting in reduced charges	Section Head	SELECT
Materials Handling/Storage/Bunding	Increase awareness of recycling	70	Advertising & pamphlets	Section Head	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Endeavour to reduce energy consumption	50	Staff awareness	Section Head	Improved Environmental Management Practices

Reduction of emissions to Air	Procurement of low calorific, enclosed flare	10	LFG pumping trial, awaiting guidance from the Agency before going to tender	Section Head	Increased compliance with licence conditions
Additional improvements	Minimisation of gas migration	50	LFG pumping trial and improved flare control	Section Head	Increased compliance with licence conditions
Groundwater protection	Review of Groundwater risk assessment	50	Ongoing	Section Head	Reduced emissions

**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
- 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](#)
- 3 Does your site have a noise reduction plan
- 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?

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)?
20/09/2011	30 mins	N 1	NA	60.6	49	65		No	SELECT	Traffic on the R448	No
19/09/2011	30 mins	N 2	NA	51	44.2	54		No		Road traffic off-site, dog barking	Yes
19/09/2011	30 mins	N 3	NA	48	44	50		No		Electricity pylon, capping works on KTK Landfill	Yes
20/09/2011	30 mins	N4	NA	60.8	48	54		No		Traffic on the R448, traffic accessing KTK Landfill	No
19/09/2011	30 mins	N 5	NA	53	45	56		No		Tractor in adjacent field, traffic on Carnalway road	Yes
19/09/2011	30 mins	N 6	NA	52	46	55.3		No		Traffic on the R448	Yes
20/09/2011	30 mins	N 7	NA	56.4	46.5	60.3		No		Heavy traffic on Carnalway Rd	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?

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

**AER summary template-AIR emissions**

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

Additional information	
SELECT	Flare stack emissions monitoring could not be carried out in 2011 as an open flare was being used onsite as part of the LFG pumping trial

**Table 1 Fugitive emissions**

Parameter /Substance	Annual fugitive emission (kg/annum)	Quantificaton method M/C/E
Methane (CH4)	3798811	E

**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

SELECT	
SELECT	

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
	SELECT			SELECT		SELECT	SELECT	SELECT			
	SELECT			SELECT		SELECT	SELECT	SELECT			

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

**Continuous Monitoring**

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)

5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below

6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?

7 Did your site experience any abatement system bypasses? If yes please detail them in table 4 below

**Table 3: 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)	% compliance current reporting year	Comments
	SELECT			SELECT	SELECT					

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

**Table 4: Abatement system bypass reporting table** [Bypass protocol](#)

Date*	Duration** (hours)	Location	Reason for bypass	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

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out table 5

SELECT	
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<b>Table 5: 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 (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance
					SELECT
					SELECT

<b>Table 6: Solvent Mass Balance summary</b>								
	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste gases(kg)	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-passes (kg)	Solvents destroyed onsite through physical reaction e.g. incineration(kg)	Total emission of Solvent to air (kg)
							Total	

**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

No	
Yes	No evidence of contamination

**Table 1 Ambient monitoring**

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW 1	downstream	SELECT	pH	20/09/2011	8.5	SELECT	8.1	pH units	yes	
SW 1	downstream		Conductivity	20/09/2011	1000		1180	µS/cm @20oC	no (if no please enter details in comments box)	Surface Water Regs MAC
SW 1	downstream		Ammonia (as N)	20/09/2011	0.23		0.061	mg/L	yes	
SW 1	downstream		BOD	20/09/2011	5		<1	mg/L	yes	
SW 1	downstream		COD	20/09/2011	40		<10	mg/L	yes	
SW 1	downstream		Iron	20/09/2011	0.2		98	µg/L	no (if no please enter details in comments box)	Surface Water Regs MAC
SW 1	downstream		Magnesium	20/09/2011			19	mg/L	yes	
SW 1	downstream		Manganese (as Mn)	20/09/2011	0.05		32	µg/L	no (if no please enter details in comments box)	Surface Water Regs MAC
SW 1	downstream		Sulphate	20/09/2011	200		19.9	mg/L	yes	
SW 1	downstream		Suspended Solids	20/09/2011	50		44	mg/L	yes	
SW 1	downstream	Cadmium and compounds (as Cd)		20/09/2011	5		<0.5	µg/L	yes	
SW 1	downstream	Chlorides (as Cl)		20/09/2011	250		147	mg/L	yes	
SW 1	downstream	Copper and compounds (as Cu)		20/09/2011	50		1	µg/L	yes	
SW 1	downstream	Chromium and compounds (as Cr)		20/09/2011	50		<0.5	µg/L	yes	
SW 1	downstream	Lead and compounds (as Pb)		20/09/2011	10		0.6	µg/L	yes	
SW 1	downstream	Mercury and compounds (as Hg)		20/09/2011	1		<0.05	µg/L	yes	
SW 1	downstream	Total phosphorus		20/09/2011			0.11	mg/L		
SW 1	downstream	Zinc and compounds (as Zn)		20/09/2011	3000		<5	µg/L	yes	
SW 2	downstream		pH	20/09/2011	8.5		8	pH units	yes	
SW 2	downstream		Conductivity	20/09/2011	1000		917	µS/cm @20oC	yes	
SW 2	downstream		Ammonia (as N)	20/09/2011	0.23		0.097	mg/L	yes	
SW 2	downstream		BOD	20/09/2011	5		<1	mg/L	yes	
SW 2	downstream		COD	20/09/2011	40		15	mg/L	yes	
SW 2	downstream		Iron	20/09/2011	0.2		41	µg/L	no (if no please enter details in comments box)	Surface Water Regs MAC
SW 2	downstream		Magnesium	20/09/2011			15	mg/L	yes	
SW 2	downstream		Manganese (as Mn)	20/09/2011	0.05		19	µg/L	no (if no please enter details in comments box)	Surface Water Regs MAC
SW 2	downstream		Sulphate	20/09/2011	200		21.3	mg/L	yes	
SW 2	downstream		Suspended Solids	20/09/2011	50		9	mg/L	yes	
SW 2	downstream	Cadmium and compounds (as Cd)		20/09/2011	5		<0.5	µg/L	yes	
SW 2	downstream	Chlorides (as Cl)		20/09/2011	250		95.4	mg/L	yes	
SW 2	downstream	Chromium and compounds (as Cr)		20/09/2011	50		<0.5	µg/L	yes	

SW 2	downstream	Copper and compounds (as Cu)		20/09/2011	50		<1	µg/L	yes	
SW 2	downstream	Lead and compounds (as Pb)		20/09/2011	10		<0.5	mg/L	yes	
SW 2	downstream	Mercury and compounds (as Hg)		20/09/2011	1		<0.05	µg/L	yes	
SW 2	downstream	Total phosphorus		20/09/2011			0.08	mg/L	yes	
SW 2	downstream	Zinc and compounds (as Zn)		20/09/2011	3000		<5	µg/L	yes	
SW 3	downstream		pH	20/09/2011	8.5		7.9	pH units	yes	
SW 3	downstream		Conductivity	20/09/2011	1000		646	µS/cm @20oC	yes	
SW 3	downstream		Ammonia (as N)	20/09/2011	0.23		0.054	mg/L	yes	
SW 3	downstream		BOD	20/09/2011	5		<1	mg/L	yes	
SW 3	downstream		COD	20/09/2011	40		<10	mg/L	yes	
SW 3	downstream		Iron	20/09/2011	0.2		16	µg/L	no (if no please enter details in comments box)	Surface Water Regs MAC
SW 3	downstream		Magnesium	20/09/2011			13	mg/L	yes	
SW 3	downstream		Manganese (as Mn)	20/09/2011	0.05		<5	µg/L	no (if no please enter details in comments box)	Surface Water Regs MAC
SW 3	downstream		Sulphate	20/09/2011	200		12.7	mg/L	yes	
SW 3	downstream		Suspended Solids	20/09/2011	50		235	mg/L	no (if no please enter details in comments box)	Surface Water Regs MAC
SW 3	downstream	Cadmium and compounds (as Cd)		20/09/2011	5		<0.5	µg/L	yes	
SW 3	downstream	Chlorides (as Cl)		20/09/2011	250		18.2	mg/L	yes	
SW 3	downstream	Chromium and compounds (as Cr)		20/09/2011	50		0.6	µg/L	yes	
SW 3	downstream	Copper and compounds (as Cu)		20/09/2011	50		1	µg/L	yes	
SW 3	downstream	Lead and compounds (as Pb)		20/09/2011	10		1	µg/L	yes	
SW 3	downstream	Mercury and compounds (as Hg)		20/09/2011	1		<0.05	µg/L	yes	
SW 3	downstream	Total phosphorus		20/09/2011			0.05	mg/L	yes	
SW 3	downstream	Zinc and compounds (as Zn)		20/09/2011	3000		9	mg/L	yes	
SW 7	downstream		pH	20/09/2011	8.5		8.2	mg/L	yes	
SW 7	downstream		Conductivity	20/09/2011	1000		249	µS/cm @20oC	yes	
SW 7	downstream		Ammonia (as N)	20/09/2011	0.23		0.012	mg/L	yes	
SW 7	downstream		BOD	20/09/2011	5		<1	mg/L	yes	
SW 7	downstream		COD	20/09/2011	40		<10	mg/L	yes	
SW 7	downstream		Iron	20/09/2011	0.2		54	µg/L	yes	
SW 7	downstream		Magnesium	20/09/2011			4	mg/L	yes	
SW 7	downstream		Manganese (as Mn)	20/09/2011	0.05		14	µg/L	no (if no please enter details in comments box)	Surface Water Regs MAC
SW 7	downstream		Sulphate	20/09/2011	200		8.6	mg/L	yes	
SW 7	downstream		Suspended Solids	20/09/2011	50		<2	mg/L	yes	
SW 7	downstream	Cadmium and compounds (as Cd)		20/09/2011	5		<0.5	µg/L	yes	
SW 7	downstream	Chlorides (as Cl)		20/09/2011	250		11.4	mg/L	yes	
SW 7	downstream	Chromium and compounds (as Cr)		20/09/2011	50		<0.5	µg/L	yes	
SW 7	downstream	Copper and compounds (as Cu)		20/09/2011	50		7	µg/L	yes	
SW 7	downstream	Lead and compounds (as Pb)		20/09/2011	10		5	mg/L	yes	
SW 7	downstream	Mercury and compounds (as Hg)		20/09/2011	1		<0.05	mg/L	yes	
SW 7	downstream	Total phosphorus		20/09/2011			<0.05	mg/L	yes	
SW 7	downstream	Zinc and compounds (as Zn)		20/09/2011	3000		27	mg/L	yes	

\*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

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

4

SELECT	Additional information
SELECT	

**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
	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**

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
	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>		<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>					
	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>		<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>	<input type="text" value="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?
						<input type="text" value="SELECT"/>	

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

**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  
 N/A

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)**

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which European Waste Catalogue EWC codes	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 -
	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
	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		
		SELECT					#DIV/0!		SELECT		
		SELECT					#DIV/0!		SELECT		

**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  
 Yes  
 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

6 Does your facility have relevant nuisance controls in place?  
 Yes

7 Do you have an odour management system in place for your facility? If no why?  
 N/A

8 Do you maintain a sludge register on site?  
 N/A

**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		
e.g. Industrial non hazardous solids	500	60	120,000	

**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	1984	2001	No	Public	Non Hazardous		No			103000	24000	79000	

**Table 4 Environmental monitoring-landfill or 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 S3(A)(5) of WMA been submitted in reporting year	Comments
Yes	Yes	Yes	Yes	No	No	Yes	No	

+ 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 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					
0	0	103000				

\*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?  
 Yes

10 Is leachate released to surface water? If yes please complete leachate mass load information below  
 No

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
7849	0.1	3.81	3.23	4.14	Yes	Methane stripping	

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
291189			No	

Resource usage/ Energy Efficiency

**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	
SELECT	N/A

Table 1 Energy usage on site				
Energy Use	Previous year kWh	Current year kWh	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total				
Electricity	175000	175000	0	
Fossil Fuels:				
Heavy Fuel Oil				
Light Fuel Oil	12000	12000	0	
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

Table 2 Water usage on site				
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	1000	1000	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

Table 3: 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					



[Guidance to completing the PRTR workbook](#)

# AER Returns Workbook

Version 1.1.13

REFERENCE YEAR 2011

## 1. FACILITY IDENTIFICATION

Parent Company Name	Kildare County Council
Facility Name	Silliot Hill Landfill
PRTR Identification Number	W0014
Licence Number	W0014-01

Waste or IPPC Classes of Activity

No.	class name
3.5	Specialty engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.
3.11	Blending or mixture prior to submission to any activity referred to in preceding paragraph of this Schedule.
3.12	Repackaging prior to submission to any activity referred to in 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.
3.4	Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.
3.6	Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule.
3.7	#####
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.
4.2	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 compound
4.4	Recycling or reclamation of other inorganic material
4.9	Use of any waste principally as a fuel or other means to generate energy.

Address 1	Silliot Hill and Brownstowr
Address 2	Co. Kildare
Address 3	
Address 4	
Country	Kildare
Coordinates of Location	Ireland
River Basin District	-6.71904 53.1489
NACE Code	IEEA
Main Economic Activity	3821
AER Returns Contact Name	Treatment and disposal of non-hazardous waste
AER Returns Contact Email Address	Claire McLaughlin
AER Returns Contact Position	cmclaughlin@kildarecoco.ie
AER Returns Contact Telephone Number	Site Technician
AER Returns Contact Mobile Phone Number	045 481960
AER Returns Contact Fax Number	087 2795178
Production Volume	
Production Volume Units	0.0
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	
Web Address	

## 2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(d)	Landfills
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# : W0014 | Facility Name : Silliot Hill Landfill | Filename : PRTR W0014\_2011.xls | Return Year : 2011 |

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**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

RELEASERS TO AIR		METHOD			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
01	Methane (CH4)	E	ESTIMATE	LandGem	3798811.0	7597622.0	0.0	3798811.0

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

**SECTION B : REMAINING PRTR POLLUTANTS**

RELEASERS TO AIR		METHOD			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)**

RELEASERS TO AIR		METHOD			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

**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:		Silliot Hill Landfill			
Please enter summary data on the quantities of methane flared and / or utilised		M/C/E	Method Used		Facility Total Capacity m3 per hour
T (Total) kg/Year			Method Code	Designation or Description	
Total estimated methane generation (as per site model)	4090000.0	E	Estimate	LandGem	N/A
Methane flared	291189.0	C	Calculated	Flare Readings	1000.0 (Total Flaring Capacity)
Methane utilised in engines	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	3798811.0	E	Estimate	LandGem	N/A

#### 4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : W0014 | Facility Name : Silliot Hill Landfill | Filename : PRTI

#### SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater

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

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

#### SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

RELEASES TO WATERS				
POLLUTANT				
Pollutant No.	Name	M/C/E	Method Used	
			Method Code	Designation or Description

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

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

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

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

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





4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : W0014 | Facility Name : Silliot Hill Landfill | Filename : PRTR W0014\_2011.xls | Return Yr

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**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
			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 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
			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

**4.4 RELEASES TO LAND**

[Link to previous years emissions data](#)

| PRTR# : W0014 | Facility Name : Silliot Hill Landfill | Filename : PRTR W0014\_2011.xls | Return Year : 2011 |

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**SECTION A : PRTR POLLUTANTS**

POLLUTANT		RELEASURES TO LAND			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
					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		RELEASURES TO LAND			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
					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# : W0014 | Facility Name : Silliot Hill Landfill | Filename : PRTR W0014\_2011.xls | Return Year : 2011 |

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Please enter all quantities on this sheet in Tonnes

9

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	2807.2	mixed municipal waste	D1	C	Weighed	Offsite in Ireland	Oxigen Environmental,W0152	Robinhood Industrial Estate,Robinhood Rd,Ballymount,Dublin 22,Ireland		
Within the Country	20 02 01	No	309.88	Green Waste	R3	C	Weighed	Offsite in Ireland	Bord na Mona Plc,W-198 Irish Packaging Recycling Ltd T/A Panda Waste,W0263	Kilberry,,Athy,Co. kildare,Ireland Ballymount Rd,Walkinstown,Dublin 12,,Ireland		
Within the Country	15 01 01	No	171.05	paper and cardboard packaging	R3	C	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd T/A Panda Waste,W0263	Ballymount Rd,Walkinstown,Dublin 12,,Ireland		
Within the Country	20 01 01	No	17.58	paper and cardboard	R3	C	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd T/A Panda Waste,W0263	Ballymount Rd,Walkinstown,Dublin 12,,Ireland		
<b>Within the Country</b>	<b>20 01 01</b>	<b>No</b>	47.4	Newspapers & Magazines	R3	C	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd T/A Panda Waste,W0263	Ballymount Rd,Walkinstown,Dublin 12,,Ireland		
Within the Country	15 01 07	No	39.16	Bottles	R5	C	Weighed	Offsite in Ireland	Rehab Glassco,WCP DC 08-1150-01	Unit 4 Osberstown Business Pk,Caragh Rd,Naas,Co. Kildare,Ireland		
Within the Country	20 01 02	No	3.02	glass	R5	C	Weighed	Offsite in Ireland	Rehab Glassco,WCP DC 08-1150-01	Unit 4 Osberstown Business Pk,Caragh Rd,Naas,Co. Kildare,Ireland		
Within the Country	20 01 40	No	137.72	metals	R4	C	Weighed	Offsite in Ireland	Thorntons Recycling Centre,WCP DC 09-1190-01	Unit 52B Parkwest Business Pk,,Dublin,D 12,Ireland		
Within the Country	15 01 02	No	29.1	plastic packaging	R3	C	Weighed	Offsite in Ireland	Oxigen Environmental,W0152	Robinhood Industrial Estate,Robinhood Rd,Ballymount,Dublin 22,Ireland		
Within the Country	20 01 11	No	9.74	textiles	R5	C	Weighed	Offsite in Ireland	Textile Recycling,WPR 014/2	Glen Abbey Complex,Belgard Rd,Tallaght,Dublin 24,Ireland		
Within the Country	20 01 33	Yes	4.32	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these	R4	C	Weighed	Offsite in Ireland	Rilta Environmental,WCP DC 09-1192-01	402 Greenogue Business Pk,Rathcoole,Dublin,,Ireland	The Recycling Village,WP 2007/20,Units 4 4A & 7 Tinure Business Pk,Tinure,Monasterboice,Louth,Ireland	Units 4 4A & 7 Tinure Business Pk,Tinure,Monasterboice,Louth,Ireland
Within the Country	13 02 04	Yes	2.6	mineral-based chlorinated engine, gear and lubricating oils	R9	C	Weighed	Offsite in Ireland	Enva Ireland,WCP DC 08-1116-01	Clonmainham Industrial Estate,Portlaoise,Laois,,Ireland	Clonmainham Industrial Estate,Portlaoise,Laois,,Ireland	Clonmainham Industrial Estate,Portlaoise,Laois,,Ireland
Within the Country	16 01 03	No	38.96	end-of-life tyres discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing	R5	C	Weighed	Offsite in Ireland	Crumb Rubber,WCP DC 08-1136-01	Mooretown,Dromiskin,Dundalk,Louth,Ireland		
Within the Country	20 01 35	Yes	292.61	hazardous components	R4	C	Weighed	Offsite in Ireland	Rehab Enterprises,WPR 03/3/2	Unit 77 ,Broomhill Rd,Tallaght,Dublin 24,Ireland	KMK Recyclig Ltd,W0113-03,Cappincur Ind Est,Daingean Rd,Tullamore,Offaly,Ireland	Cappincur Ind Est,Daingean Rd,Tullamore,Offaly,Ireland
Within the Country	17 08 02	No	3.42	gypsum-based construction materials other than those mentioned in 17 08 01	R5	C	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd T/A Panda Waste,W0263	Ballymount Rd,Walkinstown,Dublin 12,,Ireland		
Within the Country	20 01 27	Yes	66.84	Household Hazardous	D9	C	Weighed	Offsite in Ireland	Indaver Ireland,W036/2	Tolka Quay Rd,Dublin Port,Dublin 1,Ireland	Indaver Ireland,W036/2,Tolka Quay Rd,Dublin Port,Dublin 1,Ireland	Tolka Quay Rd,Dublin Port,Dublin 1,Ireland

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 : 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		Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer				
Within the Country	20 01 21	Yes	0.34	fluorescent tubes and other mercury-containing waste	R4	C	Weighed	Offsite in Ireland	The Recycling Village,WP 2007/20		Units 4 4A & 7 Tinure Business Pk,Tinure,Monasterboice,Louth,Ireland		The Recycling Village,WP 2007/20,Units 4 4A & 7 Tinure Business Pk,Tinure,Monasterboice,Louth,Ireland	Units 4 4A & 7 Tinure Business Pk,Tinure,Monasterboice,Louth,Ireland
Within the Country	20 03 07	No	1167.9	bulky waste	D1	C	Weighed	Offsite in Ireland	Oxigen Environmental,W0152		Robinhood Industrial Estate,Robinhood Rd,Ballymount,Dublin 22,Ireland			

\* 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](#)