Facility Information Summary	
AER Reporting Year	2012
Licence Register Number	W0014-01
Name of site	Silliot Hill Integrated Waste Management Facility
Site Location	Kilcullen, Co. Kildare
NACE Code	
Class/Classes of Activity	Third Schedule WMA: Class 4, 6, 7, 11, 12, 13. Fourth Schedule: Class 2, 3, 4, 9, 10, 11, 13
National Grid Reference (6E, 6 N)	285834 211426

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year **and an overview of compliance with your licence** listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.	The 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. Oxigen Environmental have been responsible for the operation of the WTS and Civic Amenity Site since the 8th December 2011, following the awarding of a concession contract. Kildare County Council has no involvment in the day to day operations of these but retains responsibility for the Waste Licence. There is some localised impact on groundwater from the unlined part of the landfill which is identified at groundwater monitoring point BH 4-07. There were exceedences for gas trigger levels along the southern boundary of the site during each of the monthly monitoring intervals. An investigation was carried out into gas migration between Silliot Hill and KTK Landfill. This was inconclusive as to which site was the source of the migrating gas. This situation continues to be monitored closely.

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 (or nominated, suitably qualified and experienced deputy)	Date

AIR-summary template

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Answer all questions and complete all tables where relevant

			Additional information
1	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables	Yes	Flare stack emissions monitoring

Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below	No	
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	Yes	

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

Emission reference no:	*Parameter/ Substance*	*Frequency of Monitoring*	ELV in licence or any revision therof	*Licence Compliance criteria*	*Measured value*	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
Flare 1	volumetric flow	Annual		SELECT	*654*	Nm3/hour	yes	SELECT		
Flare 1	TA Luft organic substances class 1	Annual		SELECT	*4*	mg/Nm3	yes	EN 13649:2001		
				SELECT				SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

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Continuous Monitoring				

4	Does your site carry out continuous air emissions monitoring?	No	
	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	SELECT	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT	
7	Did your site experience any abatement system bypasses? If yes please detail them in table 4 below	SELECT	

Table A2: Summary of average emissions -continuous monitoring

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

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

Table A3: Abatement system bypass reporting table Bypass protocol

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

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

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

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Solvent use and management on site

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

Table A4: Solvent Management Plan Summary
Total VOC Emission limit value

Solvent regulations — Please refer to linked solvent regulations to complete table 5 and 6

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

Table A5: Solvent Mass Balance summary

	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite	Total emission of Solvent to air (kg)
							Total	

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		Additional information
1	Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you only need to complete table W1 and or W2 for surface water analysis and visual inspections	SELECT
2	Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections	Yes — No evidence of contamination

Table W1 Surface water 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	15/11/2012	8.5	N/A	*7.7*	pH units	yes	
SW 1	downstream		Conductivity	15/11/2012	1000	N/A	*1049*	µS/cm @20oC	no (if no please enter details in comments box)	> Surface Water Regs MAC
SW 1	downstream		Ammonia (as N)	15/11/2012	0.23	N/A	*0.594*	mg/L	no (if no please enter details in comments box)	> Surface Water Regs MAC
SW 1	downstream		BOD	15/11/2012	5	N/A	*<1*	mg/L	yes	
SW 1	downstream		COD	15/11/2012	40	N/A	*20*	mg/L	yes	
SW 1	downstream		Iron	15/11/2012	200	N/A	*278*	µg/L	no (if no please enter details in comments box)	> Surface Water Regs MAC
SW 1	downstream		Magnesium	15/11/2012	-	N/A	*15*	mg/L	yes	
SW 1	downstream		Manganese (as Mn)	15/11/2012	50	N/A	*86*	µg/L	no (if no please enter details in comments box)	> Surface Water Regs MAC
SW 1	downstream		Sulphate	15/11/2012	200	N/A	*14.4*	mg/L	yes	
SW 1	downstream		Suspended Solids	15/11/2012	50	N/A	*<2*	mg/L	yes	
SW 1	downstream	Cadmium and compounds (as Cd)		15/11/2012	0.9	N/A	*<0.5*	µg/L	yes	
SW 1	downstream	Chlorides (as Cl)		15/11/2012	250	N/A	*84.2*	mg/L	yes	
SW 1	downstream	Copper and compounds (as Cu)		15/11/2012	5	N/A	*<1*	µg/L	yes	
SW 1	downstream	Chromium and compounds (as Cr)		15/11/2012	32	N/A	*<0.5*	µg/L	yes	
SW 1	downstream	Lead and compounds (as Pb)		15/11/2012	7.2	N/A	*2*	µg/L	yes	
SW 1	downstream	Mercury and compounds (as Hg)		15/11/2012	0.07	N/A	*<0.05*	µg/L	yes	
SW 1	downstream	Total phosphorus		15/11/2012	-	N/A	*<0.05*	mg/L	yes	
SW 1	downstream	Zinc and compounds (as Zn)		15/11/2012	100	N/A	*9*	µg/L	yes	
SW 2	downstream		pH	15/11/2012	8.5	N/A	*7.8*	pH units	yes	
SW 2	downstream		Conductivity	15/11/2012	1000	N/A	*909*	µS/cm @20oC	yes	
SW 2	downstream		Ammonia (as N)	15/11/2012	0.23	N/A	*0.288*	mg/L	no (if no please enter details in comments box)	> Surface Water Regs MAC
SW 2	downstream		BOD	15/11/2012	5	N/A	*<1*	mg/L	yes	
SW 2	downstream		COD	15/11/2012	40	N/A	*13*	mg/L	yes	
SW 2	downstream		Iron	15/11/2012	200	N/A	*105*	mg/L	yes	
SW 2	downstream		Magnesium	15/11/2012	-	N/A	*15*	mg/L	yes	
SW 2	downstream		Manganese (as Mn)	15/11/2012	50	N/A	*45*	µg/L	yes	
SW 2	downstream		Sulphate	15/11/2012	200	N/A	*21.5*	mg/L	yes	
SW 2	downstream		Suspended Solids	15/11/2012	50	N/A	*78*	mg/L	no (if no please enter details in comments box)	> Surface Water Regs MAC
SW 2	downstream	Cadmium and compounds (as Cd)		15/11/2012	0.9	N/A	*<0.5*	µg/L	yes	
SW 2	downstream	Chlorides (as Cl)		15/11/2012	250	N/A	*60.1*	mg/L	yes	
SW 2	downstream	Copper and compounds (as Cu)		15/11/2012	5	N/A	*<1*	µg/L	yes	
SW 2	downstream	Chromium and compounds (as Cr)		15/11/2012	32	N/A	*<0.5*	µg/L	yes	
SW 2	downstream	Lead and compounds (as Pb)		15/11/2012	7.2	N/A	*<0.5*	µg/L	yes	

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SW 2	downstream	Mercury and compounds (as Hg)		15/11/2012	0.07	N/A	*<0.05*	µg/L	yes	
SW 2	downstream	Total phosphorus		15/11/2012	-	N/A	*0.08*	mg/L	yes	
SW 2	downstream	Zinc and compounds (as Zn)		15/11/2012	100	N/A	*<5*	µg/L	yes	
SW 3	downstream		Conductivity	15/11/2012	1000	N/A	*675*	µS/cm @20oC	yes	
SW 3	downstream		pH	15/11/2012	8.5	N/A	*7.5*	pH units	yes	
SW 3	downstream		Ammonia (as N)	15/11/2012	0.23	N/A	*0.106*	mg/L	yes	
SW 3	downstream		BOD	15/11/2012	5	N/A	*<1*	mg/L	yes	
SW 3	downstream		COD	15/11/2012	40	N/A	*17*	mg/L	yes	
SW 3	downstream		Iron	15/11/2012	200	N/A	*402*	mg/L	no (if no please enter details in comments box)	> Surface Water Regs MAC
SW 3	downstream		Magnesium	15/11/2012	-	N/A	*11*	mg/L	yes	
SW 3	downstream		Manganese (as Mn)	15/11/2012	50	N/A	*500*	µg/L	no (if no please enter details in comments box)	> Surface Water Regs MAC
SW 3	downstream		Sulphate	15/11/2012	200	N/A	*8.41*	mg/L	yes	
SW 3	downstream		Suspended Solids	15/11/2012	50	N/A	*24*	mg/L	yes	
SW 3	downstream	Cadmium and compounds (as Cd)		15/11/2012	0.9	N/A	*<0.5*	µg/L	yes	
SW 3	downstream	Chlorides (as Cl)		15/11/2012	250	N/A	*12.6*	mg/L	yes	
SW 3	downstream	Copper and compounds (as Cu)		15/11/2012	5	N/A	*<1*	µg/L	yes	
SW 3	downstream	Chromium and compounds (as Cr)		15/11/2012	32	N/A	*<0.5*	µg/L	yes	
SW 3	downstream	Lead and compounds (as Pb)		15/11/2012	7.2	N/A	*<0.5*	µg/L	yes	
SW 3	downstream	Mercury and compounds (as Hg)		15/11/2012	0.07	N/A	*<0.05*	µg/L	yes	
SW 3	downstream	Total phosphorus		15/11/2012	-	N/A	*<0.05*	mg/L	yes	
SW 3	downstream	Zinc and compounds (as Zn)		15/11/2012	100	N/A	*<5*	µg/L	yes	
SW 4	downstream		Conductivity	15/11/2012	1000	N/A	*344*	µS/cm @20oC	yes	
SW 4	downstream		pH	15/11/2012	8.5	N/A	*7.1*	pH units	yes	
SW 4	downstream		Ammonia (as N)	15/11/2012	0.23	N/A	*0.006*	mg/L	yes	
SW 4	downstream		BOD	15/11/2012	5	N/A	*<1*	mg/L	yes	
SW 4	downstream		COD	15/11/2012	40	N/A	*80*	mg/L	no (if no please enter details in comments box)	> Surface Water Regs MAC
SW 4	downstream		Iron	15/11/2012	200	N/A	*14520*	µg/L	no (if no please enter details in comments box)	> Surface Water Regs MAC
SW 4	downstream		Magnesium	15/11/2012	-	N/A	*5*	mg/L	yes	
SW 4	downstream		Manganese (as Mn)	15/11/2012	50	N/A	*2967*	µg/L	no (if no please enter details in comments box)	> Surface Water Regs MAC
SW 4	downstream		Sulphate	15/11/2012	200	N/A	*<5*	mg/L	yes	
SW 4	downstream		Suspended Solids	15/11/2012	50	N/A	*9*	mg/L	yes	
SW 4	downstream	Cadmium and compounds (as Cd)		15/11/2012	0.9	N/A	*<0.5*	µg/L	yes	
SW 4	downstream	Chlorides (as Cl)		15/11/2012	250	N/A	*14.1*	mg/L	yes	
SW 4	downstream	Chromium and compounds (as Cr)		15/11/2012	32	N/A	*<0.5*	µg/L	yes	
SW 4	downstream	Copper and compounds (as Cu)		15/11/2012	5	N/A	*<1*	µg/L	yes	
SW 4	downstream	Lead and compounds (as Pb)		15/11/2012	7.2	N/A	*<0.5*	µg/L	yes	
SW 4	downstream	Mercury and compounds (as Hg)		15/11/2012	0.07	N/A	*<0.05*	µg/L	yes	
SW 4	downstream	Total phosphorus		15/11/2012	-	N/A	*1.07*	mg/L	yes	
SW 4	downstream	Zinc and compounds (as Zn)		15/11/2012	100	N/A	*47*	µg/L	yes	
SW 6	downstream		Conductivity	15/11/2012	1000	N/A	*384*	µS/cm @20oC	yes	
SW 6	downstream		pH	15/11/2012	8.5	N/A	*7.5*	pH units	yes	
SW 6	downstream		Ammonia (as N)	15/11/2012	0.23	N/A	*0.016*	mg/L	yes	
SW 6	downstream		BOD	15/11/2012	5	N/A	*<1*	mg/L	yes	
SW 6	downstream		COD	15/11/2012	40	N/A	*35*	mg/L	yes	
SW 6	downstream		Iron	15/11/2012	200	N/A	*200*	µg/L	yes	
SW 6	downstream		Magnesium	15/11/2012	-	N/A	*5*	mg/L	yes	
SW 6	downstream		Manganese (as Mn)	15/11/2012	50	N/A	*43*	µg/L	yes	

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SW 6	downstream		Sulphate	15/11/2012	200	N/A	*8.96*	mg/L	yes	
SW 6	downstream		Suspended Solids	15/11/2012	50	N/A	*2*	mg/L	yes	
SW 6	downstream	Cadmium and compounds (as Cd)		15/11/2012	0.9	N/A	*<0.5*	µg/L	yes	
SW 6	downstream	Chlorides (as Cl)		15/11/2012	250	N/A	*10.9*	mg/L	yes	
SW 6	downstream	Chromium and compounds (as Cr)		15/11/2012	32	N/A	*<0.5*	µg/L	yes	
SW 6	downstream	Copper and compounds (as Cu)		15/11/2012	5	N/A	*<1*	µg/L	yes	
SW 6	downstream	Lead and compounds (as Pb)		15/11/2012	7.2	N/A	*<0.5*	µg/L	yes	
SW 6	downstream	Mercury and compounds (as Hg)		15/11/2012	0.07	N/A	*<0.05*	µg/L	yes	
SW 6	downstream	Total phosphorus		15/11/2012	-	N/A	*0.05*	mg/L	yes	
SW 6	downstream	Zinc and compounds (as Zn)		15/11/2012	100	N/A	*<5*	µg/L	yes	
SW 7	downstream		Conductivity	15/11/2012	1000	N/A	*175*	µS/cm @20oC	yes	
SW 7	downstream		pH	15/11/2012	8.5	N/A	*7.4*	pH units	yes	
SW 7	downstream		Ammonia (as N)	15/11/2012	0.23	N/A	*0.046*	mg/L	yes	
SW 7	downstream		BOD	15/11/2012	5	N/A	*<1*	mg/L	yes	
SW 7	downstream		COD	15/11/2012	40	N/A	*12*	mg/L	yes	
SW 7	downstream		Iron	15/11/2012	200	N/A	*131*	µg/L	yes	
SW 7	downstream		Magnesium	15/11/2012	-	N/A	*2*	mg/L	yes	
SW 7	downstream		Manganese (as Mn)	15/11/2012	50	N/A	*22*	µg/L	yes	
SW 7	downstream		Sulphate	15/11/2012	200	N/A	*7.08*	mg/L	yes	
SW 7	downstream		Suspended Solids	15/11/2012	50	N/A	*<2*	mg/L	yes	
SW 7	downstream	Cadmium and compounds (as Cd)		15/11/2012	0.9	N/A	*<0.5*	µg/L	yes	
SW 7	downstream	Chlorides (as Cl)		15/11/2012	250	N/A	*8.67*	mg/L	yes	
SW 7	downstream	Chromium and compounds (as Cr)		15/11/2012	32	N/A	*<0.5*	µg/L	yes	
SW 7	downstream	Copper and compounds (as Cu)		15/11/2012	5	N/A	*<1*	µg/L	yes	
SW 7	downstream	Lead and compounds (as Pb)		15/11/2012	7.2	N/A	*<0.5*	µg/L	yes	
SW 7	downstream	Mercury and compounds (as Hg)		15/11/2012	0.07	N/A	*<0.05*	µg/L	yes	
SW 7	downstream	Total phosphorus		15/11/2012	-	N/A	*0.06*	mg/L	yes	
SW 7	downstream	Zinc and compounds (as Zn)	SELECT	15/11/2012	100	N/A	*<5*	µg/L	yes	

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

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

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

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

3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below			SELECT	Additional information
4	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	External /Internal Lab Quality checklist	Assessment of results checklist	SELECT	

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

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

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

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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

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Continuous monitoring

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

If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

6	Did continuous monitoring equipment experience downtime? **If yes please record downtime in table W4 below**	SELECT	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	SELECT	
8	Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below**	SELECT	

Table W4: Summary of average emissions -continuous monitoring

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

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template

Lic No: W0014-01 Year 2012

Bund testing

dropdown menu click to see options

			Additional information
1	Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 below listing all **new bunds and containment structures** on site, **in addition to all bunds which failed** the integrity test-**all bunding structures which failed including mobile bunds must be listed in the table below**	SELECT	
2	Please provide integrity testing frequency period	SELECT	
3	Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)	SELECT	
4	How many bunds are on site?		
5	How many of these bunds have been tested witin the required test schedule?		
6	How many mobile bunds are on site?		
7	Are the mobile bunds included in the bund test schedule?	SELECT	
8	How many of these mobile bunds have been tested witin the required test schedule?		
9	How many sumps on site are included in the integrity test schedule?		
10	How many of these sumps are integrity tested within the test schedule?		
	Please list any sump integrity failures in table B1		
11	Do all sumps and chambers have high level liquid alarms?	SELECT	
12	If yes to Q11 are these failsafe systems included in a maintenance and testing programme?		

Table B1: Summary details of bund /containment structure integrity test

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

* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

Commentary

14	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?	*bunding and storage guidelines*	SELECT
15	Are channels/transfer systems to remote containment systems tested?		SELECT
16	Are channels/transfer systems compliant in both integrity and available volume?		SELECT

Pipeline/underground structure testing

1	Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test**	SELECT	
2	Please provide integrity testing frequency period	SELECT	

Table B2: Summary details of pipeline/underground structures integrity test

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

Please use commentary for additional details not answered by tables/ questions above

Groundwater/Soil monitoring template	Lic No:	W0014-01	Year	2012

			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	Unlined Landfill
5	Is the contamination related to operations at the facility (either current and/or historic)	yes	Unlined Landfill
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. Extraction of leachate & perched water from landfill
7	Please specify the proposed time frame for the remediation strategy	N/A	
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	GW RA submitted 2008
10	Has a Conceptual Site Model been developed for the site?	N/A	
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
2012	PW 2-09	Electrical Conductivity		Quarterly	*712*	*668*	uS/cm @20	N/A	1000	3%	no
2012	PW 2-09	Ammonia as N		Quarterly	*0.071*	*0.023*	mg/l	175 ug/l		-39%	no
2012	PW 2-09	Iron		Quarterly	*20*	*10*	ug/l	N/A	200	0%	no
2012	PW 2-09	Potassium		Quarterly	*2*	*1.5*	mg/l	N/A	5	22%	no
2012	PW 2-09	Sodium		Quarterly	*20*	*15*	mg/l	150	150	12%	no
2012	PW 2-09	Chloride		Quarterly	*34.7*	*27.85*	mg/l	N/A	30	4%	no
2012	PW 2-09	TON		Quarterly	*12.2*	*6.14*	mg/l		NAC	32%	no
2012	PW 2-09	Phenols		Quarterly	*<0.5*	*<0.5*	ug/l		0.5	0%	no
2012	PW 2-09	TOC		Quarterly	*1.28*	*1.18*	mg/l	N/A	NAC	13%	no
2012	PW 2-09	Total Coliforms		Quarterly	*3*	*1*	cfu/100ml	N/A	0	14%	no
2012	PW 2-09	Faecal Coliforms		Quarterly	*0*	*0*	cfu/100ml	N/A	0	0%	no
2012	BH 9D	Electrical Conductivity		Quarterly	*1293*	*1221*	uS/cm @20	N/A	1000	-7%	no
2012	BH 9D	Ammonia as N		Quarterly	*0.541*	*0.149*	mg/l	175 ug/l		-16%	no

Groundwater/Soil monitoring template					Lic No:	W0014-01			Year	2012		
2012	BH 9D	Iron		Quarterly	*4540*	*2282*	ug/l		200	-132%	no
2012	BH 9D	Potassium		Quarterly	*18*	*11*	mg/l	N/A	5	12%	no
2012	BH 9D	Sodium		Quarterly	*89*	*80.5*	mg/l	150	150	6%	no
2012	BH 9D	Chloride		Quarterly	*219*	*175*	mg/l	N/A	30	-116%	no
2012	BH 9D	TON		Quarterly	*31.4*	*10.6*	mg/l		NAC	64%	no
2012	BH 9D	Phenols		Quarterly	*<0.5*	*<0.5*	ug/l		0.5	0%	no
2012	BH 9D	TOC		Quarterly	*3.11*	*2.35*	mg/l	N/A	NAC	34%	no
2012	BH 9D	Total Coliforms		Quarterly	*1280*	*321.75*	cfu/100ml	N/A	0	98%	no
2012	BH 9D	Faecal Coliforms		Quarterly	*3*	*0.75*	cfu/100ml	N/A	0	-40%	no

.+ 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
2012	BH 3	Electrical Conductivity		Quarterly	*746*	*694*	uS/cm @20	N/A	1000	5%	no
2012	BH 3	Ammonia as N		Quarterly	*1.66*	*1.069*	mg/l	175 ug/l		-78%	no
2012	BH 3	Iron		Quarterly	*31270*	*19910*	ug/l	N/A	200	136%	no
2012	BH 3	Potassium		Quarterly	*4*	*1.72*	mg/l	N/A	5	53%	no
2012	BH 3	Sodium		Quarterly	*11*	*10.5*	mg/l	150	150	27%	no
2012	BH 3	Chloride		Quarterly	*32.6*	*26.35*	mg/l	N/A	30	1%	no
2012	BH 3	TON		Quarterly	*0.23*	*0.2*	mg/l	N/A	NAC	66%	no
2012	BH 3	Phenols		Quarterly	*<0.5*	*<0.5*	ug/l	N/A	0.5	0%	no
2012	BH 3	TOC		Quarterly	*1.44*	*1.28*	mg/l	N/A	NAC	2%	no
2012	BH 3	Total Coliforms		Quarterly	*0*	*0*	cfu/100ml	N/A	0	0%	no
2012	BH 3	Faecal Coliforms		Quarterly	*0*	*0*	cfu/100ml	N/A	0	0%	no
2012	BH 4-07	Electrical Conductivity		Quarterly	*2990*	*2384*	uS/cm @20	N/A	1000	10%	no
2012	BH 4-07	Ammonia as N		Quarterly	*190*	*176*	mg/l	175 ug/l		-2%	no
2012	BH 4-07	Iron		Quarterly	*18900*	*16060*	ug/l	N/A	200	55%	no
2012	BH 4-07	Potassium		Quarterly	*168*	*112*	mg/l	N/A	5	25%	no
2012	BH 4-07	Sodium		Quarterly	*271*	*235*	mg/l	150	150	14%	no
2012	BH 4-07	Chloride		Quarterly	*346*	*271*	mg/l	N/A	30	3%	no
2012	BH 4-07	TON		Quarterly	*0.12*	*0.085*	mg/l	N/A	NAC	0%	no
2012	BH 4-07	Phenols		Quarterly	*<1.5*	*<0.5*	ug/l	N/A	0.5	0%	no
2012	BH 4-07	TOC		Quarterly	*39.1*	*36.8*	mg/l	N/A	NAC	-57%	no
2012	BH 4-07	Total Coliforms		Quarterly	*60*	*15*	cfu/100ml	N/A	0	-200%	no

Groundwater/Soil monitoring template				Lic No:		W0014-01		Year	2012		
2012	BH 4-07	Faecal Coliforms		Quarterly	*20*	*5*	cfu/100ml	N/A	0	200%	no

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

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

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

Groundwater/Soil monitoring template Lic No: W0014-01 Year 2012

Table 3: Soil results

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

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

Environmental Liabilities template	Lic No:	W0014-01	Year	2012

Click here to access EPA guidance on Environmental Liabilities and Financial provision

			Commentary
1	ELRA initial agreement status	SELECT	
2	ELRA review status	SELECT	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
4	Financial Provision for ELRA status	SELECT	
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	SELECT	
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	SELECT	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0014-01 Year 2012

	Highlighted cells contain dropdown menu click to view		Additional Information
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	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
Reduction of emissions to Air	Procurement of low calorific, enclosed flare	20	LFG pumping trial completed. Tender documents being prepared. Still awaiting response from Agency	Section Head	Increased compliance with licence conditions
Additional improvements	Minimisation of gas migration	60	Investigation into gas migration completed in 2012. Improved flare control pending	Section Head	Increased compliance with licence conditions
Groundwater protection	Review of Groundwater Risk Assessment	50	Notification of Technical Amendment requiring GW RA	Section Head	Reduced emissions
SELECT		SELECT		SELECT	SELECT

Noise monitoring summary report	Lic No:	W0014-01	Year	2012

1	Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 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? (Noise Guidance note NG4)	SELECT
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 N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA_{eq}	LA_{90}	LA_{10}	LA_{max}	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)?
18/09/2012	30 mins	N1		61	50	55		No	SELECT	Traffic on R448	No
18/09/2012	30 mins	N 2		49	47	48		No		Traffic, birdsong	Yes
18/09/2012	30 mins	N 3		46	44	45		No		Electricity pylon, traffic on Carnalway Rd.	Yes
18/09/2012	30 mins	N 4		60	53	52		No		Traffic on R448	No
18/09/2012	30 mins	N 5		53	49	50		No		Traffic on Carnalyway Rd	Yes
18/09/2012	30 mins	N 6		54	53	49		No		Traffic on R448	Yes
18/09/2012	30 mins	N 7		56	53	52		No		Traffic on R448 & Carnalyway 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? SELECT

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

Resource Usage/Energy efficiency summary

Lic No: W0014-01 Year 2012

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	2009	
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	no	SEAI - Large Industry Energy Network (LIEN)
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	N/A	

Table R1 Energy usage on site

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	175000	175000		0
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	12000	12000		0
Natural gas (CMN)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

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

Table R2 Water usage on site

					Water Emissions	Water Consumption	
Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Volume Discharged back to environment(m^3yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	1000	1000		0		1000	
Recycled water							
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 R3 Waste Stream Summary

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

Resource Usage/Energy efficiency summary

Lic No: W0014-01 Year 2012

Table R4: Energy Audit finding recommendations

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

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

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

Complaints and Incidents summary template

Lic No: W0014-01 Year 2012

Complaints

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		Additional information
	Yes	

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
13/02/2012	Waste		Directed to put compostable waste into domestic waste bin	Food waste bins provided	Complete	12/03/2012	
28/12/2012	SELECT	Customer Service	Complaint re charging for waste	Customer offered free entry on next visit to site	Complete	03/01/2013	
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		

Total complaints open at start of reporting year	0
Total new complaints received during reporting year	2
Total complaints closed during reporting year	1
Balance of complaints end of reporting year	1

Incidents

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

*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	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Liklihood of reoccurence
17/01/2012	Trigger level reached	G103, G104D, G104S, G105	2. Limited	Ground	Operational controls		Normal activities	EPA	Recurring	Gas Migration Investigation	Awaiting procurment of new flare	Ongoing	N/A	High
16/02/2012	Trigger level reached	G103, G104D, G104S, G105, G400-07	2. Limited	Ground	Operational controls		Normal activities	EPA	Recurring	Gas Migration Investigation	Awaiting procurment of new flare	Ongoing	N/A	High
29/03/2012	Trigger level reached	G104D, G104S, G105	2. Limited	Ground	Operational controls		Normal activities	EPA	Recurring	Gas Migration Investigation	Awaiting procurment of new flare	Ongoing	N/A	High
17/04/2012	Trigger level reached	G103, G104D, G104S, G105	2. Limited	Ground	Operational controls		Normal activities	EPA	Recurring	Gas Migration Investigation	Awaiting procurment of new flare	Ongoing	N/A	High
29/05/2012	Trigger level reached	G103, G104D, G104S, G105	2. Limited	Ground	Operational controls		Normal activities	EPA	Recurring	Gas Migration Investigation	Awaiting procurment of new flare	Ongoing	N/A	High
14/06/2012	Trigger level reached	G103, G104D, G104S, G105	2. Limited	Ground	Operational controls		Normal activities	EPA	Recurring	Gas Migration Investigation	Awaiting procurment of new flare	Ongoing	N/A	High
17/07/2012	Trigger level reached	G103, G104D, G104S, G105	2. Limited	Ground	Operational controls		Normal activities	EPA	Recurring	Gas Migration Investigation	Awaiting procurment of new flare	Ongoing	N/A	High
21/08/2012	Trigger level reached	G103, G104D, G104S, G105	2. Limited	Ground	Operational controls		Normal activities	EPA	Recurring	Gas Migration Investigation	Awaiting procurment of new flare	Ongoing	N/A	High

Complaints and Incidents summary template					Lic No:	W0014-01		Year	2012					
11/09/2012	Trigger level reached	G103, G104D, G104S, G105	2. Limited	Ground	Operational controls		Normal activities	EPA	Recurring	Gas Migration Investigation	Awaiting procurment of new flare	Ongoing	N/A	High
18/10/2011	Trigger level reached	G103, G104D, G104S, G105	2. Limited	Ground	Operational controls		Normal activities	EPA	Recurring	Gas Migration Investigation	Awaiting procurment of new flare	Ongoing	N/A	High
19/11/2012	Trigger level reached	G103, G104D, G104S, G105	2. Limited	Ground	Operational controls		Normal activities	EPA	Recurring	Gas Migration Investigation	Awaiting procurment of new flare	Ongoing	N/A	High
12/12/2012	Trigger level reached	G103, G104D, G104S, G105	2. Limited	Ground	Operational controls		Normal activities	EPA	Recurring	Gas Migration Investigation	Awaiting procurment of new flare	Ongoing	N/A	High

Total number of incidents current year	12
Total number of incidents previous year	13
% reduction/ increase	-8%

WASTE SUMMARY	Lic No:	W0014-01	Year	2012
SECTION A-PRTR ON SITE WASTE TREATMENT AND 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

			Additional Information
1	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) If yes please enter details in table 1 below	SELECT	
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	SELECT	
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	SELECT	

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)	EWC code European Waste Catalogue EWC codes	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 -
53000	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Residual Waste	3813	2807	30%			D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	0	

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	
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	SELECT	
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*

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	N/A	No	No	No	103000	24000	79000	

WASTE SUMMARY Lic No: W0014-01 Year 2012

Table 4 Environmental monitoring-landfill on Landfill Manual-Monitoring Standards

Was meterological 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*
	Yes	Yes	Yes	No	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		24000	79000			

*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*
6376	0.1	3.1	2.6	3.4	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*
330756	0		No	

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.16

REFERENCE YEAR	2012

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	Specially 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 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.
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 compounds.
4.4	Recycling or reclamation of other inorganic materials.
4.9	Use of any waste principally as a fuel or other means to generate energy.

Address 1	Silliot Hill and Brownstown
Address 2	Co. Kildare
Address 3	
Address 4	
	Kildare
Country	Ireland
Coordinates of Location	-6.71904 53.1489
River Basin District	IEEA
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Claire McLaughlin
AER Returns Contact Email Address	cmclaughlin@kildarecoco.ie
AER Returns Contact Position	Site Technician
AER Returns Contact Telephone Number	045 481960
AER Returns Contact Mobile Phone Number	087 2795178
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	13
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(d)	Landfills
5(c) 50.1	Installations for the disposal of non-hazardous waste 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. WASTE IMPORTED/ACCEPTED ONTO SITE Guidance on waste imported/accepted onto site

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

This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD				QUANTITY		
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
01	Methane (CH4)	E	ESTIMATE	Landgem	3664713.0	7329426.0	0.0	3664713.0
					0.0	0.0	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD				QUANTITY		
			Method Used					
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

	T (Total) kg/Year	M/C/E	Method Used: Method Code	Method Used: Designation or Description	Facility Total Capacity m3 per hour	
Total estimated methane generation (as per site model)	3890000.0	E	estimate	LandGem	N/A	
Methane flared	225287.0	C	calculated	Flare Readings	1000.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	3664713.0	E	estimate	LandGem	N/A	

4.2 RELEASES TO WATERS

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					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					QUANTITY			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					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					QUANTITY			
			Method Used					
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# : W0014 | Facility Name : Silliot Hill Landfill | Filename : W0014_2012.xls | Return Year : 2012 | 26/03/2013 11:28

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			
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					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			
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

4.4 RELEASES TO LAND

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

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

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

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

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
			Method Used				
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

Please enter all quantities on this sheet in Tonnes

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	13 02 04	Yes	3.14	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	Enva Ireland,WCP DC 08-1116-01,Clonmainham Industrial Estate,Portlaoise,Laois,.,Ireland	Clonmainham Industrial Estate,Portlaoise,Laois,.,Ireland
Within the Country	15 01 01	No	45.18	paper and cardboard packaging	R3	C	Weighed	Offsite in Ireland	Oxigen Environmental,208-1	Ballymount Industrial Estate,Ballymount Rd Lower,Clondalkin,Dublin 22,Ireland		
Within the Country	15 01 02	No	11.1	plastic packaging	R3	C	Weighed	Offsite in Ireland	Oxigen Environmental,W0152	Robinhood Industrial Estate,Robinhood Rd,Ballymount,Dublin 22,Ireland		
Within the Country	15 01 07	No	81.22	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	16 01 03	No	0.72	end-of-life tyres	R5	C	Weighed	Offsite in Ireland	Oxigen Environmental,208-1	Ballymount Industrial Estate,Ballymount Rd Lower,Clondalkin,Dublin 22,Ireland		
Within the Country	17 08 02	No	4.96	gypsum-based construction materials other than those mentioned in 17 08 01	R5	C	Weighed	Offsite in Ireland	Oxigen Environmental,208-1	Ballymount Industrial Estate,Ballymount Rd Lower,Clondalkin,Dublin 22,Ireland		
Within the Country	20 01 01	No	0.0	paper and cardboard	R3	C	Weighed	Offsite in Ireland	Oxigen Environmental,208-1	Ballymount Industrial Estate,Ballymount Rd Lower,Clondalkin,Dublin 22,Ireland		
Within the Country	20 01 02	No	825.12	Newspapers & Magazines	R3	C	Weighed	Offsite in Ireland	Oxigen Environmental,208-1	Unit 4 Osberstown Business Pk,Caragh Rd,Naas,Co. Kildare,Ireland		
Within the Country	20 01 11	No	0.28	glass	R5	C	Weighed	Offsite in Ireland	Rehab Glassco,WCP DC 08-1150-01	Glen Abbey Complex,Belgard Rd,Tallaght,Dublin 24,Ireland		
Within the Country	20 01 21	Yes	10.6	textiles	R5	C	Weighed	Offsite in Ireland	Textile Recycling,WPR 014/2			
Within the Country	20 01 27	Yes	0.69	fluorescent tubes and other mercury-containing waste	R4	C	Weighed	Offsite in Ireland	KMK Recyclig Ltd,W0113-03,Cappincur Ind Est,Daingean Rd,Tullamore,Offaly,Ireland	Cappincur Ind Est,Daingean Rd,Tullamore,Offaly,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	20 01 33	Yes	22.86	Household Hazardous batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	D9	C	Weighed	Offsite in Ireland	Oxigen Environmental,208-1	Ballymount Industrial Estate,Ballymount Rd Lower,Clondalkin,Dublin 22,Ireland	Oxigen Environmental,208-1,Ballymount Industrial Estate,Ballymount Rd Lower,Clondalkin,Dublin 22,Ireland	Ballymount Industrial Estate,Ballymount Rd Lower,Clondalkin,Dublin 22,Ireland
Within the Country	20 01 35	Yes	6.77	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 23 containing hazardous components	R4	C	Weighed	Offsite in Ireland	KMK Recyclig Ltd,W0113-03,Cappincur Ind Est,Daingean Rd,Tullamore,Offaly,Ireland	Cappincur Ind Est,Daingean Rd,Tullamore,Offaly,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	20 01 40	No	285.13	metals	R4	C	Weighed	Offsite in Ireland	Ratcliffe,WCP-DC-08-1130-01	Ballystrahan,.,St Margarets,Co. Dublin,Ireland		
Within the Country	20 02 01	No	81.16	Green Waste	R3	C	Weighed	Offsite in Ireland	Multi Metals Recycling,WFP/Enrich Environmental,WFP/MH/08/0004/02	Bollarney,The Murrough,Wicklow,Co. Wicklow,Ireland		
			213.0							.,.,Kilcock,Co. Meath,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: 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	3812.9	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 03 07	No	3075.8	bulky waste	D1	C	Weighed	Offsite in Ireland	Oxigen Environmental,208-1	Ballymount Industrial Estate,Ballymount Rd Lower,Clondalkin,Dublin 22,Ireland		

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