SELECT	cells that are highlighted blue contain a dropdown menu click to select one option from the list
guidance document link	cells that contain underlined text click to access relevant guidance documents for this section
Table heading *	table headings followed by a symbol have an associated footnote or instructions
Cells with red indicator in top right corner	cells that have a red indicator in the top right corner contain a comment box with further instructions or clarification

Facility Information Summary	
AER Reporting Year	2013
Licence Register Number	W0240-01
Name of site	AES Nenagh
Site Location	Springfort Cross, Solsborough, Nenagh, Co. Tipperary
NACE Code	3821
Class/Classes of Activity	Schedule 3 - Classes 11, 12 & **13(PA);** Schedule 4 - Classes 2, 3, 4, 12 & 13
National Grid Reference (6E, 6 N)	
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.	AES Nenagh acts as the principal waste transfer facility for AES in the Munster region servicing waste collections from Clare, Limerick City & County, Tipperary and some parts of Offaly. Domestic waste services include a glass bin and compost bin service in selected areas. all wastes are received over the facilty weighbridge and unloaded within the waste recpetion builsing. residual wastes are bulked and sent for further treatment (SRF production) or disposal at landifll. Seperately collected recycables are transferred from AES Nenagh to AES Tullamore for processing.Similary other seperately collected fractions are sent for further processing to various waste operators in Ireland. Waste received in 2013 was within the total waste acceptance allowed under the waste licence. There were 2 minor incidents reported to the Agency in 2013 in relation to breach of elvs. In February for emssions to sewer - elevated COD and May for elevated dust levels above the ELV of 350mg/m2/day at D2 monitoring station. The EPA conducted a site inspection and found the site to be compliant with the Licence Conditions.

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.

Charlotte Greene — Environmental Officer

Signature — Date 13/05/2014

Group/Facility manager

(or nominated, suitably qualified and experienced deputy)

AIR-summary template Lic No: w-0240-01 Year 2013

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	

Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below	Yes	
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
D1	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	108	mg/m2/day	yes	Gravmetric		
D2	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	220	mg/m2/day	yes	Gravmetric		
D3	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	166	mg/m2/day	yes	Gravmetric		
D4	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	117	mg/m2/day	yes	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)	No	
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

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 (direct and fugitive)	Total VOC emissions as %of solvent input	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 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) Lic No: WI0240-01

			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**	SELECT	

Table W1 Surface water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	ELV or trigger level of licence or any revision thereof*	Licence Compliance criteria	Measured value									
						Date	28.1.13	1.2.13	20.3.13	15.4.13	24.4.13	2.5.13		July	12.8.13	17.9.13
SW-1	onsite	SELECT	pH		SELECT		7.6	7.3	7.2	7.1	7	7.3		dry	7.3	6.8
SW-1	onsite		Conductivity				271	269	610	394	243.75	286.45		dry	382	306
SW-1	onsite		COD				46	82	98	73	64	58		dry	45	87
SW-1	onsite		Ammonia (as N)				0.3				0.24	0.8		dry	2.2	
SW-1	onsite		Suspended Solids				68	63	72	33	31	29		dry	28	67
SW-1	onsite	SELECT	Hydrocarbons		SELECT		<0.010	-	-			<0.010		dry	<0.010	

*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
			SELECT	
			SELECT	

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

			Additional information
3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below	Yes	
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_Protocol Lab Quality checklist, Assessment of results checklist)	Yes	

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

Emission reference no:	Emission released to	Parameter/ Substance/Note 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof* 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
								Annual Average							
Emissions to sewer	Wastewater/Sewer	pH	composite	Monthly	Monthly	6 to 10	No pH value shall deviate from the specified range.	6.4	pH units	no (if no please enter details in comments box)	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 4500-H+B		on the 17/09/2013 and 16/10/2013 sample results exceeded the licence limit of 6.0 pH units with a result of 5.4 pH units on both dates
Emissions to sewer	Wastewater/Sewer	COD	composite	Monthly	Monthly	3000	All values < ELV	2092.4545	mg/L	no (if no please enter details in comments box)	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	5220D, Closed Reflux, colourimetric method		On the 11/02/2013 sample result exceed the licence limit of 3000mg/l with a result of 11,840
Emissions to sewer	Wastewater/Sewer	BOD	composite	Quarterly	Quarterly	1000	All values < ELV	432	mg/L	yes	Dissolved Oxygen Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 5210 B		
Emissions to sewer	Wastewater/Sewer	Suspended Solids	composite	Monthly	Monthly	1000	All values < ELV	308.1	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	2540D		
Emissions to sewer	Wastewater/Sewer	Sulphate	composite	Quarterly	Quarterly	500	All values < ELV	65.6	mg/L	yes	Ion Chromatography	APHA / AWWA "Standard Methods"	Method 4110B		
Emissions to sewer	Wastewater/Sewer	Detergents (as MBAS)	composite	Quarterly	Quarterly	100	All values < ELV	0.202	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	Method 5540C		
Emissions to sewer	Wastewater/Sewer	Fats, Oils and Greases	composite	Quarterly	Quarterly	100	All values < ELV	29.2	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	Method 5520B		
Emissions to sewer	Wastewater/Sewer	Ammonia (as N)	composite	Quarterly	Quarterly	50	All values < ELV	19.844	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	Method 4500-CN- E		
Emissions to sewer	Wastewater/Sewer	Ortho-phosphate (as PO4)	composite	Quarterly	Quarterly	-	All values < ELV	7.204	mg/L		Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	Method 4110B		
Emissions to sewer	Wastewater/Sewer	Hydrocarbons	composite	Quarterly	Quarterly	-	All values < ELV	0.06	mg/L		GC (Gas Chromatography)				
SW-1	Water	pH	discrete	Monthly	Monthly	6.0-9.0 Note 4		7.3	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 4500 H+B		
SW-1	Water	Conductivity	discrete	Monthly	Monthly	1000 µS/cm @20oC Note 4		312.12	µS/cm @20oC	yes	Conductivity Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 2510B		
SW-1	Water	COD	discrete	Monthly	Monthly	40 mg/l Note 4		63.6	mg/L	no (if no please enter details in comments box)	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	5220D, Closed Reflux, colourimetric method		On the following dates the result for this parameter exceeded the limit value of 40mg/l. 28/03, 11/02 ,20/03, 15/04, 02/05, 12/08, 17/09
SW-1	Water	Ammonia (as N)	discrete	Quarterly	Quarterly	High Status=0.04 Good Status =0.065 Note 3		2.568	mg/L	no (if no please enter details in comments box)	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	Method 4500-CN- E		On the following dates the result for this parameter exceeded the limit value of 0.065mg/l for good status water. 28/03, 11/02, 20/03, 15/04, 24/04, 02/05, 12/08 and 16/10
SW-1	Water	Suspended Solids	discrete	Monthly	Monthly	50 mg/l Note 4		47.2	mg/L	no (if no please enter details in comments box)	Gravimetric analysis	APHA / AWWA "Standard Methods"	2540D		On the following dates the result for this parameter exceeded the limit value of 50mg/l for good status water. 28/03, 11/02, 20/03, 17/09 and 16/10
SW-1	Water	Mineral oils	discrete	Quarterly	Quarterly	0.01Omg/l		<0.010	mg/L	yes	GC (Gas Chromatography)				

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
Note 3: S.I. No. 272/2009- European Communities Environmental objectives (Surface Waters) regulations
Note 4: S.I. No. 294/1989-European Communities (Quality of surface water intended for the abstraction of drinking water) Regulations.

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic Rev: W0240-01

Continuous monitoring

5	Does your site carry out continuous emissions to water/sewer monitoring?	No	Additional Information
	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: W0240-01 Year 2013

Bund testing

dropdown menu click to see options

			Additional information
	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**		
1	**listed in the table below**	Yes	
2	Please provide integrity testing frequency period	3 years	
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)	Yes	
4	How many bunds are on site?	3	
5	How many of these bunds have been tested witin the required test schedule?	0	Bund testing was completed in 2012
6	How many mobile bunds are on site?	0	
7	Are the mobile bunds included in the bund test schedule?	Yes	but not applicable
8	How many of these mobile bunds have been tested witin the required test schedule?	Not applicable	
9	How many sumps on site are included in the integrity test schedule?	0	
10	How many of these sumps are integrity tested within the test schedule?	0	
	Please list any sump integrity failures in table B1		
11	Do all sumps and chambers have high level liquid alarms?	No	
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
	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in		
14	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

	Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all		
1	underground structures and pipelines on site **which failed the integrity test**	Yes	
2	Please provide integrity testing frequency period	3 years	

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:	W0240-01	Year	2013

			Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	no	
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	no	
5	Is the contamination related to operations at the facility (either current and/or historic)	SELECT	
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	SELECT	
7	Please specify the proposed time frame for the remediation strategy	SELECT	
8	Is there a licence condition to carry out/update ELRA for the site?	SELECT	
9	Has any type of risk assesment been carried out for the site?	SELECT	
10	Has a Conceptual Site Model been developed for the site?	SELECT	
11	Have potential receptors been identified on and off site?	SELECT	
12	Is there evidence that contamination is migrating offsite?	SELECT	

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
							SELECT				SELECT
							SELECT				SELECT

.+ where average indicates arithmetic mean

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

Groundwater/Soil monitoring template Lic No: W0240-01 Year 2013

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
							SELECT				SELECT
							SELECT				SELECT

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

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

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

Table 3: Soil results

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

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

Environmental Liabilities template	Lic No:	W0240-01	Year	2013

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

			Commentary
1	ELRA initial agreement status	Submitted and not agreed by EPA;	ELRA prepared by OCM and submitted to the EPA in April 2011
2	ELRA review status		
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	€58,552 to cover decomissioning and Site closure; AES has arranged insurance cover of €13,000,000 to cover liability arising from damage to property and injury to third parties as a result of sudden and unforeseen environmental impairment.
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
5	Financial Provision for ELRA - amount of cover	Specify	23062.5
6	Financial Provision for ELRA - type	Public Liability Insurance with Environmental Impairment Liability cover,	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	Specify	€58,552
12	Financial Provision for Closure - type	Public Liability Insurance with Environmental Impairment Liability	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0240-01 Year 2013

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	The Licensee holds a fully NSAI accredited Integrated Management System incoporating Environmental (to ISO 14001:2004), Health & Safety (OHSAS 18000) and Quality (ISO9002:2000). These management systems are maintained through onsite cooperationwith the environmental officers and dedicated systems coordinators. They are audited on a bi-annual basis internally and externally on an annual basis.
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	Yes an aspects register is maintained onsite and updated on an annual review basis
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	Yes Environmental objectives and targets are set on an annual basis and progress against targets is reviewed quarterly
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	A file is available to view by members of the public at the facility if requested

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Waste reduction/Raw material usage efficiency	Roll out glass bin to limerick city area	90		Section Head	increased Recyclate generated
Reduction of emissions to Air	Eliminate the frequency of breach of Emission limit values in Dust	60	Increased yard sweeping and general housekeeping	Individual	Reduced emissions
Reduction of emissions to Water	Improve the quality of storm water discharges	10	Set interim Trigger values for stormw ater discharges	Individual	Reduced emissions
Waste reduction/Raw material usage efficienc	Reduce water consumption for bin washing by 50% in 2013	100	Install Rainwater harvesting tank to collect rainwater for use in Bin wash area	Individual	Improved Environmental Management Practices
Waste reduction/Raw material usage efficienc	Reduce water consumption for bin washing by 50% in 2013	100	Modify Bin washing technique - employ a mechanical rotating jet washer .	Individual	Conservation of natural resources
Waste reduction/Raw material usage efficienc	Reduce water consumption for bin washing by 50% in 2013	100	Install an additional rainwater harvester to collect rainwater from the main waste processing building	Individual	Conservation of natural resources
Groundwater protection	Zero risk to groundwater from site activities	10	Conduct monthly site walkovers to assess the intergitry of the yard concrete and replace any broken sections of concrete on an annual basis	Individual	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Reduce road diesel consumption by 15% in 2014	30	Introduce Spilt body waste collection vehicles in North Tipperary allowing 2 waste streams to be collected simultaneously and therefore reducing the number of trucks on the routes	Section Head	Reduced emissions
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT

Noise monitoring summary report	Lic No:	W0240-01	Year	2013

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)	Yes
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)?
12/11/2013	9.05-9.35	N1		55	51	58	72	No	SELECT	Onsite noise sources included the power washing of wheelie bins in the yard, AES trucks entering and exiting the facility and the occasional beeping when reversing the vehicles, banging of doors, rattling of chains on skips. The higher SPL value recorded on the 3rd round was primarily due to heavier road traffic passing on the Limerick Road during the busy morning hours (9:02-	y
12/11/2013	12.32-13.02	N1		54	50	56	70	No			
13/11/2013	9.03-9.33	N1		57	52	58	79	No			
12/11/2013	9.37-10.07	N2		55	50	56	72	No		Onsite activities included power washing from the front of the site, the movement of vehicles in the yard, and lorry's idling on the weighbridge. Off site noise sources included constant road traffic which was continuously faintly audible in the distance	
12/11/2013	14.00-14.30	N2		54	45	56	73	No			
13/11/2013	9.40-10.10	N2		53	48	56	67	No			
12/11/2013	10.11-10.41	N3		55	49	56	72	No		The main source of onsite noise at this location was due to the engine of trucks left running in the yard while waiting to enter the waste storage/reception shed. The sorting of recyclables in the waste storage area attributed to the remainder of site noise including reversing alarms, chains rattling on skips	
12/11/2013	14.32-15.02	N3		54	46	56	77	No			
13/11/2013	10.13-10.43	N3		55	49	58	75	No			
12/11/2013	10.49-11.19	N4		53	49	55	62	No		Road traffic was the dominant source of noise at this monitoring location, including; constant traffic on the Dark, N52 and Kilcolman Roads. The higher SPL value recorded on the 3rd round of monitoring was primarily due to heavier road traffic passing on the Limerick Road.	
12/11/2013	15.05-15.35	N4		51	46	54	71	No			
13/11/2013	12.25-12.55	N4		56	50	59	70	No			

12/11/2013	11.23-11.53	NSL1		54	50	57	70	No		Noise attributed to AES activities included; vehicles entering/exiting the facility, the general humming noise from operations within the main reception shed (faintly audible) and intermittent power washing of wheelie bins (faintly audible).Off-site noise sources included constant heavy traffic on the Limerick (N52), Kilcolman and Dark roads. Intermittent banging & air tool use from Comerford's garage (15m) was also occasionally audible	
12/11/2013	15.39-16.09	NSL1		53	47	56	73	No			
13/11/2013	11.06-11.36	NSL1	Between garage and house, across the road and ca. 20m from entrance to AES	55	38	59	74	No			
12/11/2013	11.58-12.28	NSL2		45	42	48	62	No		Site activity was only faintly audible at this location and included; lorry engines and occasional reversing alarms. The dominant source of noise at this location was due to road traffic on the N52 (Limerick) and Kilcolman Roads	
12/11/2013	16.15-16.45	NSL2		45	42	47	60	No			
13/11/2013	11.50-12.20	NSL2	House, ca. 150m west of AES	48	45	50	55	No			

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

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

nothing**

** please explain the reason for not taking action/resolution of noise issues?
Slight exceedances were due to offsite activities

Resource Usage/Energy efficiency summary	Lic No:	W0240-01	Year	2013

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	2010	
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	SELECT	

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)	4695.09	3223.33		Energy consumption per t of waste collected was reduced in 2013 when compared to 2012. Due to the route optimisation programme and the introduction of split bodied trucks.
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	29.283	34.38		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	0			
Light Fuel Oil (litres)	458837	313605		
Natural gas (CMN)	0			
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

Conversion		
Kerosene	0.009821	mWh/ltr
Gasoil	0.010165	mWh/ltr
Med FO	0.010786	mWh/ltr
DERV	0.010169	mWh/ltr
Petrol	0.009269	mWh/ltr

	2012	2013
DERV	432000	287997
	26837	25608
	4393.008	2928.641493
	272.798105	260.30532
	4665.806105	3188.946813

Resource Usage/Energy efficiency summary Lic No: W0240-01 Year 2013

Table R2 Water usage on site

Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	**Water Emissions** Volume Discharged back to environment(m^3yr):	**Water Consumption** Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	1564	1606					
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)					

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: W0240-01 Year 2013

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	No	Additional information

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	0
Total new complaints received during reporting year	0
Total complaints closed during reporting year	0
Balance of complaints end of reporting year	0

Incidents

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below	Yes	Additional information
		Breach of Dust ELV during Q2;

*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	Liklihood of reoccurence
28/01/2013	Breach of ELV	Licenced discharge point (SE-1)	1. Minor	Sewer	Other (add details)	Unknown incident	Normal activities	EPA	New	Investigation undertaken - assumed that waste was received within a skip or continer that was washed out in the bin wash area causing an extreme once off exceedance	waste acceptance procedures were reviewed and tightened up. Training was provided to general operatives onsite to report any irregularities on waste profile at waste reception	Complete		Low
02/05/2013	Breach of ELV	Licenced discharge point (D2)	1. Minor	Air	Not related to site activities	Algal accumulation within jar	Normal activities	EPA	New	investigation undertaken - algae an	increased yard sweeping was requested and ge	Complete	30/06/2013	Low
17/09/2013	Breach of ELV	Licenced discharge point (SE-1)	1. Minor	Sewer	Other (add details)	Unknown incident	Normal activities	EPA	New			Complete		
16/10/2013	Breach of ELV	Licenced discharge point (SE-1)	1. Minor	Sewer	Other (add details)	Unknown incident	Normal activities	EPA	recurring			Complete		
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Total number of incidents current year	4
Total number of incidents previous year	5
% reduction/ increase	

WASTE SUMMARY Lic No: W0240-01 Year 2013

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	Yes	
2	Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	No	
3	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	No	

Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code (European Waste Catalogue EWC codes)	Source of waste accepted	Description of waste accepted **Please enter an accurate and detailed description - which applies to** (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 -
24750	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Paper and Cardboard Packaging	673.50	548.19	23%	increased commercial activity	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic Packaging	248.70	221.79	12%	increased commercial activity	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 03	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Wooden Packaging	120.11	54.89	119%	EWC codes more appropriately applied. Previously pallets would be coded as 17 02 01	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 04	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	metallic packaging	0	28.35	-100%	waste stream was sent directly to third part	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 06	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Mixed packaging	1.36	0	100%	recoding issue	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Glass Packaging	348.16	324.13	7%	Expansion of the glass collection for domestic customers	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C & D wood	189.15	103.46	83%	increased C & D activity		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 04 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D metals	77.99	0	100%	increased C & D activity		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY				Lic No:		W0240-01		Year	2013		
	17 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil and Stones	5.84	0	100%	increased C & D activity		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 09 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D Waste	15.98	135.82	-88%	AES ceased offering skips in the area		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	18 01 04	18- WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)	Non-hazardous healthcare wastes	67.96	71.29	-5%	waste reduction at source		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 01 36	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Non-hazardous waste electrical and electronic goods (WEEE)	2.8	0	100%			R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Wood from municipal sources seperately collected	1.32	0	100%	improved waste recording under more appropriate waste code - formerly this waste would have been coded as either 15 01 03 or 17 02 01		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Plastic from municipal sources collected seperately	673.87	516.37	31%	increased commercial activity		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	metals from municipal sources seperately collected	94.01	134.16	-30%	improved waste recording under more appropriate waste code - formerly this waste would have been coded as either 15 01 04 or 17 04 07		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Garden and park waste	10.93	6.88	59%	increased activity - summer 2013		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street sweeping residues	209.43	277.7	-25%	waste reduction at source		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	mixed concrete and bricks	0.96	0	100%	increased activity		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY				Lic No:		W0240-01	Year		2013		
	20 01 08	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*biodegradable kitchen and canteen wastes*	1177.43	*1077.22*	9%	*increased activity - summer 2013*		*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*		
	200301C	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*(Commercial) mixed municipal waste*	6732.35	*8430.21*	-20%	*waste acceptance was more closely monitored in 2013 to prevent exceeding licence tonnage*		*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*		
	200301D	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*(Domestic) mixed municipalwaste*	7944.33	*8490.92*	-6%	*waste acceptance was more closely monitored in 2013 to prevent exceeding licence tonnage*		*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*		
	200301KC	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*Commercial Mixed Dry recyclables*	1219.77	*1002.29*	22%	*increased segregation at source*		*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*		
	200301KD	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*Domestic Mixed Dry recyclables*	3421.05	*3578.61*	-4%	*waste acceptance was more closely monitored in 2013 to prevent exceeding licence tonnage*		*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*		
	200307C	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*Commercial Bulky Waste (Skips)*	217.77	*143.88*	51%	*improved coding practices*		*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*		
	200307D	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	*Domestic Bulky Waste*	211.61	*535.67*	-60%	*waste acceptance was more closely monitored in 2013 to prevent exceeding licence tonnage*		*R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)*		

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?	No	not requirement of our waste licence and odour is not an issue on site
8 Do you maintain a sludge register on site?	No	

WASTE SUMMARY Lic No: W0240-01 Year 2013

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													

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

.+ 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					

*please note this includes daily cover area

Table 6 Leachate-Landfill only

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

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

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

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

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	