

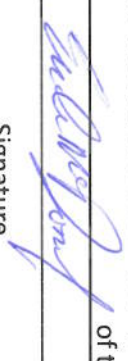

Facility Information Summary

AER Reporting Year	2012
Licence Register Number	W0049-02
Name of site	Clonbullogue Ash Repository
Site Location	Cloncreen Clonbullogue Co Offaly
NACE Code	3821
Class/Classes of Activity	3.1
National Grid Reference (6E, 6 N)	259444, 225189

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 facility is licensed to accept 70,000 tonnes per annum of bottom and fly ash generated from the combustion of Peat/Biomass/MBM at Edenderry Power Ltd. In the reporting year a total of 31,422 tonnes of ash was delivered and placed in the site. This was made up of 4,193 tonnes of bottom ash and 27,229 tonnes of fly ash. There were no complaints of an environmental nature during the reporting period. There were no non compliances in relation to site monitoring however the Agency was informed of an exceedance of Bord na Mona set trigger levels in relation to Conductivity and pH. Some small holes were noticed in the lining system of the leachate lagoon following which use of the lagoon was suspended. This issue is currently being addressed through a more sustainable leachate management proposal which is being prepared at present. Site development extended to the lining of phase one of cell 4. There was also a drainage system installed in the existing cap of cells 1 and 2. Capping took place on cell 3 A&B.

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	Date
Group/Facility manager (or nominated, suitably qualified and experienced deputy)	

AIR-summary template Lic No: W0049-02 Year 2012

Answer all questions and complete all tables where relevant

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

	Additional information
No	

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 thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

AIR-summary template	Lic No: W0049-02	Year: 2012
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	NA	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	NA	
7	Did your site experience any abatement system bypasses? If yes please detail them in table 4 below	NA	

Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
DM-01	Total Particulates	350 mg/m2/day	140	Daily average < ELV	mg/m2/day	19796	289	0	0	
DM-02	Total Particulates	350 mg/m2/day	140	Daily average < ELV	mg/m2/day	17192	277	0	0	
DM-03	Total Particulates	350 mg/m2/day	140	Daily average < ELV	mg/m2/day	11760	148	0	0	
DM-04	Total Particulates	350 mg/m2/day	140	Daily average < ELV	mg/m2/day	6132	155	0	0	
	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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0049-02 Year 2012

<p>1 Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licensed emissions you <u>only</u> need to complete table W1 and or W2 for surface water analysis and visual inspections</p>		<p>Additional information</p> <p>All monitoring results are attached seperately as advised by the EPA</p>
Yes		
<p>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 <u>only any evidence of contamination noted during visual inspections</u></p>		<p>All monitoring results are attached seperately as advised by the EPA</p>
Yes		

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
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

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

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

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

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

<p>3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below</p>		<p>No</p>	<p>Additional information</p>
<p>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</p>		<p>Yes</p>	<p>Additional information</p>

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

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

Continuous monitoring

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

<input type="text" value="No"/>	No continuous monitoring carried out.
---------------------------------	---------------------------------------

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

<input type="text" value="NA"/>	
---------------------------------	--

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

<input type="text" value="NA"/>	
---------------------------------	--

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

<input type="text" value="NA"/>	
---------------------------------	--

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

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

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

*Measures taken or proposed to reduce or limit bypass frequency

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 listed in the table below**
- 1 Please provide integrity testing frequency period
 - Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
 - 3 How many bunds are on site?
 - 4 How many of these bunds have been tested within the required test schedule?
 - 5 How many mobile bunds are on site?
 - 6 Are the mobile bunds included in the bund test schedule?
 - 7 How many of these mobile bunds have been tested within the required test schedule?
 - 8 How many sumps on site are included in the integrity test schedule?
 - 9 How many of these sumps are integrity tested within the test schedule?
- Please list any sump integrity failures in table B1**
- 11 Do all sumps and chambers have high level liquid alarms?
 - 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?

Yes	
2 Yearly	
Yes	
0	
NA	This includes barrel trays located within lock up container
No	
NA	
NA	
NA	
No	
NA	

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

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

[bundina and storage guidelines](#)

Commentary	
SELECT	
SELECT	
SELECT	

Pipeline/underground structure testing

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

SELECT	
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: W0049-02 Year 2012

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

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

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](#)

Groundwater/Soil monitoring template

Lic No:

W0049-02

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

[Interim Guideline
Values \(IGV\)](#)

Environmental Liabilities template

Lic No:

W0049-02

Year

2012

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

		Commentary	
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	SELECT	Review not due until March 2014
3	Amount of Financial Provision cover required as determined by the latest ELRA	€81,988	
4	Financial Provision for ELRA status	Required but not submitted	
5	Financial Provision for ELRA - amount of cover	€81,988	
6	Financial Provision for ELRA - type	Other please specify	Budgeted Provision
7	Financial provision for ELRA expiry date	Enter expiry date	There is no expiry date as it is carried forward each financial year
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	SELECT	Review not due until March 2014
10	Financial Provision for Closure status	Required but not submitted	
11	Financial Provision for Closure - amount of cover	€503,820	
12	Financial Provision for Closure - type	Other please specify	Budgeted Provision
13	Financial provision for Closure expiry date	2042	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0049-02	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			Unaccredited internal EMS

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	Conduct all operations on site in accordance with the schedules and conditions of the waste licence and also in	100	All site operations were carried out in compliance with licence conditions. There were no non-compliance on foot of monitoring or Agency	Individual	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	Future cell development	90	The embankments of cell 4 were completed and phase one lining took place.	Section Head	Installation of infrastructure
Reduction of emissions to Water	Implement cap drainage proposal	70	Drainage network installed in the cap of cell one and cell two.	Section Head	Reduced emissions
Additional improvements	Leachate Management Plan	60	A proposal was submitted and rejected. The leachate lagoon was cleaned down and material placed into active cell.	Individual	Increased compliance with licence conditions
Materials Handling/Storage/Bunding	Alternative Ash/Leachate use	80	A number of groups were invited to take some ash samples away for analysis with the intention of finding an alternative use for the ash.	Section Head	Improved Environmental Management Practices

Noise monitoring summary report Lic No: W0049-02 Year 2012

- 1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below
- 2 Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?
- 3 Does your site have a noise reduction plan
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

[Noise Guidance note NG4](#)

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{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)?
								SELECT	SELECT		SELECT

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

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

** 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:

W0049-02

Year

2012

Additional information

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- 2 Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information
- 3 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

[SEAI - Large Industry Energy Network \(LIEN\)](#)

yes	
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)	151.14	151.14	-9%	0%
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	1.3	1.3	-9%	0%
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	147.47	147.47	-9%	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 ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply							
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)	0				
Non-Hazardous (Tonnes)	1.179	1.179			

Resource Usage/Energy efficiency summary

Lic No: W0049-02

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:

W0049-02

Year

2012

% reduction/
increase

WASTE SUMMARY	Lic No:	W0049-02	Year	2012
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES	PRTR facility login	dropdown list click to see options		

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

Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility?: (waste generated within your boundaries is to be captured through PRTR reporting)

If yes please enter details in table 1 below

Yes	Additional Information
-----	------------------------

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	
N/A	

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

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

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description which 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 -
70,000	100103	10- WASTES FROM THERMAL PROCESSES	Fly Ash from Peat and Untreated Wood.	27,229	29,188	-7%	More biomass and less peat consumed. Biomass having a smaller ash content.	NA	D5- Specially engineered landfill	380960	Total tonnes deposited since 2000. Fly & Bottom ash
70,000	100101	10- WASTES FROM THERMAL PROCESSES	Bottom Ash	4193	5475	-23%	More biomass and less peat consumed. Biomass having a smaller ash content.	NA	D5- Specially engineered landfill		

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

SELECT	
SELECT	
SELECT	

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

6 Does your facility have relevant nuisance controls in place?
7 Do you have an odour management system in place for your facility? If no why?
8 Do you maintain a sludge register on site?

SELECT	
SELECT	
SELECT	

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
Fly & Bottom Ash	70,000	31,422	745,781	

Table 3 General information-Landfill only

WASTE SUMMARY													
Lic No: W0049-02 Year 2012													
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
										ha	ha	SELECT UNIT	
Clonbullogue Ash Repos	Nov-00	Ongoing	Yes	Private	Inert		No	No	No	7	7	NA	HDPE & GCL

WASTE SUMMARY

Lic No:

W0049-02

Year

2012

Table 4 Environmental monitoring-landfill only [Landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments
Yes	Yes	NA	Yes	Yes	Yes	Yes	No	The waste is not subject to a landfill levy

+ 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
ha	ha					
1.9		0	NA	5.1	1.13	Capped as per licence condition 10.3. 80/20 Peat/Subsoil

*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?

No
Yes

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

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments
1620	NA						Analysis takes place following dilution for suspended solids and pH only.

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	

CLONCREEN ASH REPOSITORY MONITORING RESULTS
--

Monitoring Location: LC1A

Parameter	Date	31/01/2012	26/07/2012
COD (mg/l)	Bi-Annually	237	413
Amonical nitrogen (mg/l NH4-N)	Bi-Annually	9	5.4
Temperature (OC)	Bi-Annually	10.1	11.8
Electrical Conductivity (µS/cm)	Bi-Annually	10890	12355
pH (pH units)	Bi-Annually	12.73	12.81
Arsenic (µg/l)	Annually		7
Silver (µg/l)	Annually		2
Aluminium (µg/l)	Annually		66
Berylium (µg/l)	Annually		2
Barium (µg/l)	Annually		1290
calcium (mg/l)	Annually		963
chromium (µg/l)	Annually		2
Cadmium (µg/l)	Annually		2
Cobalt (µg/l)	Annually		2
Copper (µg/l)	Annually		22
Iron (mg/l)	Annually		0.24
Potassium (mg/l)	Annually		1688
Magnesium (mg/l)	Annually		0.1
Manganese (µg/l)	Annually		4
Sodium (mg/l)	Annually		732
Nickel (µg/l)	Annually		61
Lead (µg/l)	Annually		5
Antimony (µg/l)	Annually		2
Selenium (µg/l)	Annually		89
Tin (µg/l)	Annually		2
Zinc (µg/l)	Annually		5
Mercury (µg/l)	Annually		1
Phosphorus (mg/l)	Annually		0.05
Flouride (mg/l)	Annually		0.1
PO4-P (mg/l)	Annually		0.01
VOC's USEPA 524.2 (µg/l)	Annually		All<10
SVOC'S (µg/l)	Annually		All<1*
Comb Pesticide suite (µg/l)	Annually		All<0.01

Monitoring Location: LC1A

Parameter	Date	31/01/2012	26/07/2012
COD (mg/l)	Bi-Annually	237	413
Amonical nitrogen (mg/l NH4-N)	Bi-Annually	9	5.4
Temperature (OC)	Bi-Annually	10.1	11.8
Electrical Conductivity (µS/cm)	Bi-Annually	10890	12355
pH (pH units)	Bi-Annually	12.73	12.81
Arsenic (µg/l)	Annually		7
Silver (µg/l)	Annually		2
Aluminium (µg/l)	Annually		66
Berylium (µg/l)	Annually		2
Barium (µg/l)	Annually		1290
calcium (mg/l)	Annually		963
chromium (µg/l)	Annually		2
Cadmium (µg/l)	Annually		2
Cobalt (µg/l)	Annually		2
Copper (µg/l)	Annually		22
Iron (mg/l)	Annually		0.24
Potassium (mg/l)	Annually		1688
Magnesium (mg/l)	Annually		0.1
Manganese (µg/l)	Annually		4
Sodium (mg/l)	Annually		732
Nickel (µg/l)	Annually		61
Lead (µg/l)	Annually		5
Antimony (µg/l)	Annually		2
Selenium (µg/l)	Annually		89
Tin (µg/l)	Annually		2
Zinc (µg/l)	Annually		5
Mercury (µg/l)	Annually		1
Phosphorus (mg/l)	Annually		0.05
Flouride (mg/l)	Annually		0.1
PO4-P (mg/l)	Annually		0.01
VOC's USEPA 524.2 (µg/l)	Annually		All<10
SVOC'S (µg/l)	Annually		All<1*
Comb Pesticide suite (µg/l)	Annually		All<0.01

Monitoring Location: LC3A

Parameter	Date	31/01/2012	26/07/2012
COD (mg/l)	Bi-Annually	111	99
Amonical nitrogen (mg/l NH4)	Bi-Annually	1.7	2.8
Temperature (OC)	Bi-Annually	9.4	12.1
Electrical Conductivity (µS/cm)	Bi-Annually	23980	16210
pH (pH units)	Bi-Annually	12.66	12.6
Total oxidised nitrogen (mg/l)	Annually		4
Arsenic (µg/l)	Annually		3
Silver (µg/l)	Annually		2
Aluminium (µg/l)	Annually		235
Berylium (µg/l)	Annually		2
Barium (µg/l)	Annually		24
calcium (mg/l)	Annually		96
chromium (µg/l)	Annually		13
Cadmium (µg/l)	Annually		2
Cobalt (µg/l)	Annually		2
Copper (µg/l)	Annually		7
Iron (mg/l)	Annually		0.52
Potassium (mg/l)	Annually		2504
Magnesium (mg/l)	Annually		0.22
Manganese (µg/l)	Annually		20
Sodium (mg/l)	Annually		2131
Nickel (µg/l)	Annually		9
Lead (µg/l)	Annually		5
Antimony (µg/l)	Annually		2
Selenium (µg/l)	Annually		207
Tin (µg/l)	Annually		2
Zinc (µg/l)	Annually		6
Mercury (µg/l)	Annually		1
Phosphorus (mg/l)	Annually		0.08
Flouride (mg/l)	Annually		0.1
PO4-P (mg/l)	Annually		0.1
VOC's USEPA 524.2 (µg/l)	Annually		All<10
SVOC'S (µg/l)	Annually		All<1*
Comb Pesticide suite (µg/l)	Annually		All<0.01

Monitoring Location: LC3B

Parameter	Date	31/01/2012	26/07/2012
COD (mg/l)	Bi-Annually	26	150
Amonical nitrogen (mg/l NH4)	Bi-Annually	0.12	23
Temperature (OC)	Bi-Annually	9.3	11.4
Electrical Conductivity (µS/cm)	Bi-Annually	4185	7520
pH (pH units)	Bi-Annually	10.94	11.27
Total oxidised nitrogen (mg/l)	Annually		0.2
Arsenic (µg/l)	Annually		3
Silver (µg/l)	Annually		2
Aluminium (µg/l)	Annually		538
Berylium (µg/l)	Annually		2
Barium (µg/l)	Annually		17
calcium (mg/l)	Annually		17
chromium (µg/l)	Annually		2
Cadmium (µg/l)	Annually		2
Cobalt (µg/l)	Annually		2
Copper (µg/l)	Annually		14
Iron (mg/l)	Annually		0.24
Potassium (mg/l)	Annually		1959
Magnesium (mg/l)	Annually		0.65
Manganese (µg/l)	Annually		10
Sodium (mg/l)	Annually		953
Nickel (µg/l)	Annually		11
Lead (µg/l)	Annually		4
Antimony (µg/l)	Annually		2
Selenium (µg/l)	Annually		84
Tin (µg/l)	Annually		2
Zinc (µg/l)	Annually		557
Mercury (µg/l)	Annually		1
Phosphorus (mg/l)	Annually		6
Flouride (mg/l)	Annually		0.1
PO4-P (mg/l)	Annually		5.3
VOC's USEPA 524.2 (µg/l)	Annually		All<10
SVOC'S (µg/l)	Annually		All<1*
Comb Pesticide suite (µg/l)	Annually		All<0.05

Monitoring Location: L1

Parameter	Date	31/01/2012	26/07/2012
COD (mg/l)	Bi-Annually	208	109
Amonical nitrogen (mg/l NH4)	Bi-Annually	3.18	0.99
Temperature (OC)	Bi-Annually	10.2	11.4
Electrical Conductivity (µS/cm)	Bi-Annually	1282	12470
pH (pH units)	Bi-Annually	12.68	12.54
Total oxidised nitrogen (mg/l)	Annually		0.2
Arsenic (µg/l)	Annually		3
Silver (µg/l)	Annually		2
Aluminium (µg/l)	Annually		157
Berylium (µg/l)	Annually		2
Barium (µg/l)	Annually		109
calcium (mg/l)	Annually		98
chromium (µg/l)	Annually		2
Cadmium (µg/l)	Annually		2
Cobalt (µg/l)	Annually		2
Copper (µg/l)	Annually		33
Iron (mg/l)	Annually		0.3
Potassium (mg/l)	Annually		1514
Magnesium (mg/l)	Annually		0.3
Manganese (µg/l)	Annually		7
Sodium (mg/l)	Annually		1212
Nickel (µg/l)	Annually		31
Lead (µg/l)	Annually		4
Antimony (µg/l)	Annually		2
Selenium (µg/l)	Annually		82
Tin (µg/l)	Annually		2
Zinc (µg/l)	Annually		4
Mercury (µg/l)	Annually		1
Phosphorus (mg/l)	Annually		0.05
Flouride (mg/l)	Annually		0.1
PO4-P (mg/l)	Annually		0.01
VOC's USEPA 524.2 (µg/l)	Annually		All<10
SVOC'S (µg/l)	Annually		All<1*
Comb Pesticide suite (µg/l)	Annually		All<0.01

Monitoring Location: L2

Parameter	Date	24/02/2012	16/05/2012	26/07/2012	No Sample
COD (mg/l)	Quarterly	57	53	112	N/A
Dissolved oxygen (%)	Quarterly	20.3	20.8	21.5	N/A
Dissolved oxygen (mg/l)	Quarterly	2.31	2.38	2.57	N/A
Electrical Conductivity (µS/cm)	Quarterly	1079	953	13480	N/A
Ammoniacal Nitrogen (mg/l NH4)	Quarterly	0.07	0.47	1.6	N/A
pH (pH units)	Quarterly	8.4	9.8	12.61	N/A
Total Suspended Solids (mg/l)	Quarterly	5	5	30	N/A
Arsenic (µg/l)	Annually			3	
Silver (µg/l)	Annually			2	
Aluminium (µg/l)	Annually			134	
Beryllium (µg/l)	Annually			2	
Barium (µg/l)	Annually			88	
calcium (mg/l)	Annually			84	
chromium (µg/l)	Annually			2	
Cadmium (µg/l)	Annually			2	
Cobalt (µg/l)	Annually			2	
Copper (µg/l)	Annually			34	
Iron (mg/l)	Annually			0.1	
Potassium (mg/l)	Annually			1761	
Magnesium (mg/l)	Annually			0.12	
Manganese (µg/l)	Annually			3	
Sodium (mg/l)	Annually			1547	
Nickel (µg/l)	Annually			31	
Lead (µg/l)	Annually			4	
Antimony (µg/l)	Annually			2	
Selenium (µg/l)	Annually			94	
Tin (µg/l)	Annually			2	
Zinc (µg/l)	Annually			4	
Mercury (µg/l)	Annually			1	
PO4-P (mg/l)	Annually			0.01	
VOC's USEPA 524.2 (µg/l)	Annually			All<10	
SVOC'S (µg/l)	Annually			All<1*	
Comb Pesticide suite (µg/l)	Annually			All<0.01	

Cloncreen Ash Repository Monitoring Results
--

Monitoring Location: SW4

Parameter	Date	24/02/2012	16/05/2012	21/08/2012	13/11/2012
Ammonia mg/l	Quarterly	0.68	0.06	0.28	0.16
COD (mg/l)	Quarterly	44	21	66	44
pH (pH units)	Quarterly	7.4	7.2	7.1	7.4
Total Suspended Solids (mg/l)	Quarterly	9	5	26	5

Monitoring Location: SW5

Parameter	Date	24/02/2012	16/05/2012	21/08/2012	13/11/2012
Ammonia mg/l	Quarterly	0.32	0.02	0.06	0.22
COD (mg/l)	Quarterly	62	25	73	73
pH (pH units)	Quarterly	7.8	7.9	7.8	7.6
Total Suspended Solids (mg/l)	Quarterly	8	5	5	8

Monitoring Location: SW6

Parameter	Date	24/02/2012	16/05/2012	21/08/2012	13/11/2012
Ammonia mg/l	Quarterly	0.34	0.09	0.07	0.22
COD (mg/l)	Quarterly	55	32	51	70
pH (pH units)	Quarterly	7.8	7.7	7.7	7.6
Total Suspended Solids (mg/l)	Quarterly	9	6	5	7

Monitoring Location: SW7

Parameter	Date	24/02/2012	16/05/2012	21/08/2012	13/11/2012
Ammonia mg/l	Quarterly	0.03	0.04	0.15	0.11
COD (mg/l)	Quarterly	68	31	62	83
pH (pH units)	Quarterly	7.6	7.5	7.4	7.4
Suspended Solids (mg/l)	Quarterly	5	5	7	15

Monitoring Location: SW8

Parameter	Date	24/02/2012	16/05/2012	21/08/2012	13/11/2012
Ammonia mg/l	Quarterly	0.02	0.07	0.28	0.05
COD (mg/l)	Quarterly	56	29	65	65
pH (pH units)	Quarterly	7.5	7.4	7.1	7.4
Suspended Solids (mg/l)	Quarterly	7	10	22	5

Monitoring Location: SWR1

Parameter	Date	24/02/2012	16/05/2012	21/08/2012	13/11/2012
Ammonia mg/l	Quarterly	0.11	0.09	0.22	0.36
COD (mg/l)	Quarterly	49	14	70	49
pH (pH units)	Quarterly	7.2	7.4	7.1	7.5
Suspended Solids (mg/l)	Quarterly	5	5	28	6

**Cloncreen Ash Repository
Monitoring Results**

Monitoring Location: MW02

Parameter	Date	24/01/2012	17/02/2012	26/03/2012	12/04/2012	18/05/2012	11/06/2012	26/07/2012	22/08/2012	27/09/2012	23/10/2012	13/11/2012	03/12/2012
Visual/Odour	Monthly	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour
Groundwater level (m AOD)	Monthly	68.602	68.652	68.552	68.502	68.602	68.652	68.652	68.352	68.602	68.802	68.702	68.702
pH (pH units)	Monthly	7.4	7.3	7.4	7.4	7.4	7.3	7.3	7.3	7.3	7.4	7.3	7.3
Electrical Conductivity (µS/cm)	Monthly	677	675	697	702	698	705	699	713	735	716	724.5	716
Total Ammonia mg/l	Monthly	6.67	6.1	6	6	6	6.3	6.2	6.1	6.2	6.2	6.3	6.7
Sulphate(SO4) mg/l	Monthly	2.65	2.85	3.02	3.66	3.5	4.05	3.7	3.6	4.1	4.7	4.4	4.5
Arsenic (µg/l)	Annually							46					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							509					
Beryllium (µg/l)	Annually							2					
Barium (µg/l)	Annually							1204					
calcium (mg/l)	Annually							175					
chromium (µg/l)	Annually							2					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							4					
Copper (µg/l)	Annually							2					
Iron (mg/l)	Annually							7					
Potassium (mg/l)	Annually							2.7					
Magnesium (mg/l)	Annually							20					
Manganese (µg/l)	Annually							279					
Sodium (mg/l)	Annually							8.9					
Nickel (µg/l)	Annually							14					
Lead (µg/l)	Annually							5					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (µg/l)	Annually							2					
Zinc (µg/l)	Annually							10					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.46					
PO4-P (mg/l)	Annually							0.01					
VOC's USEPA 524.2 (µg/l)	Annually							<10					
SVOC'S (µg/l)	Annually							<1*					
Comb Pesticide suite (µg/l)	Annually							<0.01					

* Except Bis(2-ethylhexyl) phthalate = <2

**Clonreen Ash Repository
Monitoring Results**

Monitoring Location: MW03

Parameter	Date	24/01/2012	17/02/2012	26/03/2012	12/04/2012	18/05/2012	11/06/2012	26/07/2012	22/08/2012	27/09/2012	23/10/2012	13/11/2012	03/12/2012
Visual/Odour	Monthly	Milky yellow with slight peat odour	Brownish yellow with no odour	Brownish yellow with slight peat odour	Slightly yellow with no odour	Slightly yellow with peat odour	Slightly yellow with no odour	Slightly Milky with slight peat odour	Slightly yellow with no odour	Clear no odour	Slightly Milky with no odour	Clear no odour	Clear no odour
Groundwater level (m AOD)	Monthly	67.906	67.856	67.356	67.306	67.556	68.306	68.306	67.306	68.156	68.306	67.156	67.456
pH (pH units)	Monthly	7.4	7.2	7.2	7.1	7.3	7.2	7.2	7	6.8	6.8	6.8	6.9
Electrical Conductivity (µS/cm)	Monthly	684	802	967	1030	1077	590	658	837	1042	1155	1093	911
Total Ammonia mg/l	Monthly	0.19	0.29	0.45	0.78	0.92	0.03	0.08	0.38	0.54	0.95	0.83	0.75
Sulphate(SO4) mg/l	Monthly	98.06	145.56	190.6	225.5	249.59	64.61	74	131	237	319	251	187
Arsenic (µg/l)	Annually							7					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							3460					
Beryllium (µg/l)	Annually							2					
Barium (µg/l)	Annually							180					
calcium (mg/l)	Annually							232					
chromium (µg/l)	Annually							8					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							4					
Copper (µg/l)	Annually							9					
Iron (mg/l)	Annually							5.9					
Potassium (mg/l)	Annually							1.2					
Magnesium (mg/l)	Annually							6.8					
Manganese (µg/l)	Annually							354					
Sodium (mg/l)	Annually							4.9					
Nickel (µg/l)	Annually							24					
Lead (µg/l)	Annually							21					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (µg/l)	Annually							2					
Zinc (µg/l)	Annually							36					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.1					
PO4-P (mg/l)	Annually							0.01					
VOC's USEPA 524.2 (µg/l)	Annually							All<10					
SVOC'S (µg/l)	Annually							All<1*					
Comb Pesticide suite (µg/l)	Annually							All<0.01					

* Except Bis(2-ethylhexyl) phthalate = <2

**Clonreen Ash Repository
Monitoring Results**

Monitoring Location: MW04

Parameter	Date	24/01/2012	17/02/2012	26/03/2012	12/04/2012	18/05/2012	11/06/2012	26/07/2012	22/08/2012	27/09/2012	23/10/2012	13/11/2012	03/12/2012
Visual/Odour	Monthly	Bore well Dry	Bore well Dry	Bore well Dry	Bore well Dry	Bore well Dry	Bore well Dry	Bore well Dry	Bore well Dry	Bore well Dry	Bore well Dry	Bore well Dry	Bore well Dry
Groundwater level (m AOD)	Monthly												
pH (pH units)	Monthly												
Electrical Conductivity (µS/cm)	Monthly												
Total Ammonia mg/l	Monthly												
Sulphate(SO4) mg/l	Monthly												
Boron (µg/l)	Annually												
Arsenic (µg/l)	Annually												
Silver (µg/l)	Annually												
Aluminium (µg/l)	Annually												
Beryllium (µg/l)	Annually												
Barium (µg/l)	Annually												
calcium (mg/l)	Annually												
chromium (µg/l)	Annually												
Cadmium (µg/l)	Annually												
Cobalt (µg/l)	Annually												
Copper (µg/l)	Annually												
Iron (mg/l)	Annually												
Potassium (mg/l)	Annually												
Magnesium (mg/l)	Annually												
Manganese (µg/l)	Annually												
Sodium (mg/l)	Annually												
Nickel (µg/l)	Annually												
Lead (µg/l)	Annually												
Antimony (µg/l)	Annually												
Selenium (µg/l)	Annually												
Tin (µg/l)	Annually												
Zinc (µg/l)	Annually												
Mercury (µg/l)	Annually												
Flouride (mg/l)	Annually												
PO4-P (mg/l)	Annually												
VOC's USEPA 524.2 (µg/l)	Annually												
SVOC'S (µg/l)	Annually												
Comb Pesticide suite (µg/l)	Annually												

* Except Bis(2-ethylhexyl) phthalate = <2

**Cloncreen Ash Repository
Monitoring Results**

Monitoring Location: MW05

Parameter	Date	24/01/2012	17/02/2012	26/03/2012	12/04/2012	18/05/2012	11/06/2012	26/07/2012	22/08/2012	27/09/2012	23/10/2012	13/11/2012	03/12/2012
Visual/Odour	Monthly	Milky with peat odour	Milky with peat odour	Milky with peat odour	Milky with peat odour	Milky with peat odour	Milky with peat odour	Milky with peat odour	Milky with peat odour	Milky with peat odour	Milky with peat odour	Milky with peat odour	Milky with peat odour
Groundwater level (m AOD)	Monthly	66.584	66.584	66.384	66.384	66.434	66.584	66.584	66.384	66.584	66.584	66.584	66.634
pH (pH units)	Monthly	7.2	7.1	7.2	7.1	7.1	7.1	7	7	7	7	7	7
Electrical Conductivity (µS/cm)	Monthly	592	573	570	607	598	603	649	650	634	642	657	641
Total Ammonia mg/l	Monthly	6	6.1	5.6	5.5	5.7	5.7	6	5.7	6	5.9	5.8	6.2
Sulphate(SO4) mg/l	Monthly	0.5	0.5	0.57	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Arsenic (µg/l)	Annually							5					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							8751					
Beryllium (µg/l)	Annually							2					
Barium (µg/l)	Annually							142					
calcium (mg/l)	Annually							368					
chromium (µg/l)	Annually							18					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							6					
Copper (µg/l)	Annually							12					
Iron (mg/l)	Annually							18					
Potassium (mg/l)	Annually							2					
Magnesium (mg/l)	Annually							21					
Manganese (µg/l)	Annually							1813					
Sodium (mg/l)	Annually							9.1					
Nickel (µg/l)	Annually							30					
Lead (µg/l)	Annually							70					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (µg/l)	Annually							2					
Zinc (µg/l)	Annually							84					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.1					
PO4-P (mg/l)	Annually							0.02					
VOC's USEPA 524.2 (µg/l)	Annually							All<10					
SVOC'S (µg/l)	Annually							All<1*					
Comb Pesticide suite (µg/l)	Annually							All<0.01					

* Except Bis(2-ethylhexyl) phthalate = <2

**Cloncreen Ash Repository
Monitoring Results**

Monitoring Location: MW06

Parameter	Date	24/01/2012	17/02/2012	26/03/2012	12/04/2012	18/05/2012	11/06/2012	26/07/2012	22/08/2012	27/09/2012	23/10/2012	13/11/2012	03/12/2012
Visual/Odour	Monthly	Slightly yellow with no odour	Slightly yellow with no odour	Slightly yellow with no odour	Slightly yellow with no odour	Slightly yellow with no odour	Clear no odour	Slightly yellow with no odour	Slightly yellow with no odour	Slightly yellow with no odour	Clear no odour	Clear no odour	Clear no odour
Groundwater level (m AOD)	Monthly	68.263	68.263	68.013	67.963	68.063	68.213	68.263	67.963	68.113	68.263	68.213	68.363
pH (pH units)	Monthly	6.7	6.8	6.7	6.7	6.7	6.7	6.8	6.9	6.8	6.8	6.7	6.8
Electrical Conductivity (µS/cm)	Monthly	628	635	620	627	635	710	708	748	723	763	738	757
Total Ammonia mg/l	Monthly	6.7	7.8	7.2	6.8	7.1	7.7	7.3	7.3	7.7	7.4	7	7.8
Sulphate(SO4) mg/l	Monthly	1.24	2.27	3.55	4.13	3.49	2.06	0.88	0.65	0.84	0.5	0.68	0.5
Arsenic (µg/l)	Annually							12					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							1808					
Beryllium (µg/l)	Annually							2					
Barium (µg/l)	Annually							226					
calcium (mg/l)	Annually							179					
chromium (µg/l)	Annually							5					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							4					
Copper (µg/l)	Annually							2					
Iron (mg/l)	Annually							21					
Potassium (mg/l)	Annually							1.2					
Magnesium (mg/l)	Annually							43					
Manganese (µg/l)	Annually							510					
Sodium (mg/l)	Annually							7.1					
Nickel (µg/l)	Annually							24					
Lead (µg/l)	Annually							6					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (µg/l)	Annually							2					
Zinc (µg/l)	Annually							12					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.1					
PO4-P (mg/l)	Annually							0.01					
VOC's USEPA 524.2 (µg/l)	Annually							All<10					
SVOC'S (µg/l)	Annually							All<1*					
Comb Pesticide suite (µg/l)	Annually							All<0.01					

* Except Bis(2-ethylhexyl) phthalate = <2

**Cloncreen Ash Repository
Monitoring Results**

Monitoring Location: MW07													
Parameter	Date	24/01/2012	17/02/2012	26/03/2012	12/04/2012	18/05/2012	11/06/2012	26/07/2012	22/08/2012	27/09/2012	23/10/2012	13/11/2012	03/12/2012
Visual/Odour	Monthly	Slightly yellow with slight gas odour	Slightly yellow with slight gas odour	Milky with slight gas odour	Brownish colour with slight gas odour	Slightly yellow with slight gas odour	Brownish colour with slight gas odour	Brownish colour with slight gas odour	Brownish colour with slight gas odour	Brownish yellow with no odour	Clear no odour	Clear no odour	Slightly yellow with slight gas odour
Groundwater level (m AOD)	Monthly	67.166	66.766	66.266	66.366	67.766	67.216	67.216	66.766	66.666	66.866	66.966	67.266
pH (pH units)	Monthly	6.8	7	7.7	8.2	7.2	7	7	7	7.1	6.9	6.9	6.9
Electrical Conductivity (µS/cm)	Monthly	816	1036	1516	1679	1111	1110	1013	1006	980	935	924	929
Total Ammonia mg/l	Monthly	1.96	2.48	2.2	2.65	2	2.16	1.8	2	2.2	2	2	2.2
Sulphate(SO4) mg/l	Monthly	24.56	37.17	73.84	46.85	33.7	25.23	17	12	9.5	14	7.6	5.4
Arsenic (µg/l)	Annually							7					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							958					
Beryllium (µg/l)	Annually							2					
Barium (µg/l)	Annually							217					
calcium (mg/l)	Annually							157					
chromium (µg/l)	Annually							8					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							2					
Copper (µg/l)	Annually							5					
Iron (mg/l)	Annually							8.3					
Potassium (mg/l)	Annually							51					
Magnesium (mg/l)	Annually							7.6					
Manganese (µg/l)	Annually							308					
Sodium (mg/l)	Annually							88					
Nickel (µg/l)	Annually							8					
Lead (µg/l)	Annually							11					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							3					
Tin (µg/l)	Annually							2					
Zinc (µg/l)	Annually							16					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.1					
PO4-P (mg/l)	Annually							0.13					
VOC's USEPA 524.2 (µg/l)	Annually							All<10					
SVOC'S (µg/l)	Annually							All<1*					
Comb Pesticide suite (µg/l)	Annually							All<0.01					

* Except Bis(2-ethylhexyl) phthalate = <2

**Clonreen Ash Repository
Monitoring Results**

Monitoring Location: MW08

Parameter	Date	24/01/2012	17/02/2012	26/03/2012	12/04/2012	18/05/2012	11/06/2012	27/07/2012	22/08/2012	27/09/2012	23/10/2012	13/11/2012	03/12/2012
Visual/Odour	Monthly	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour
Groundwater level (m AOD)	Monthly	68.612	68.712	68.212	68.012	68.412	68.862	68.762	68.412	68.212	68.762	68.512	68.812
pH (pH units)	Monthly	7	7	6.8	7	6.9	6.8	6.9	6.9	6.9	6.8	6.8	6.8
Electrical Conductivity (µS/cm)	Monthly	829	833	840	849	863	900	850	862	882	895	871	882
Total Ammonia mg/l	Monthly	1.74	1.76	2.01	2.35	1.96	1.14	1.3	2.1	2.6	1.3	2.5	1.6
Sulphate(SO4) mg/l	Monthly	82.87	96.34	79.73	70.83	80.18	99.61	82	68	60	78	64	73
Arsenic (µg/l)	Annually							58					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							758					
Beryllium (µg/l)	Annually							2					
Barium (µg/l)	Annually							441					
calcium (mg/l)	Annually							258					
chromium (µg/l)	Annually							3					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							9					
Copper (µg/l)	Annually							4					
Iron (mg/l)	Annually							23					
Potassium (mg/l)	Annually							0.66					
Magnesium (mg/l)	Annually							5.4					
Manganese (µg/l)	Annually							889					
Sodium (mg/l)	Annually							4.9					
Nickel (µg/l)	Annually							54					
Lead (µg/l)	Annually							6					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (µg/l)	Annually							2					
Zinc (µg/l)	Annually							14					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.1					
PO4-P (mg/l)	Annually							0.01					
VOC's USEPA 524.2 (µg/l)	Annually							All<10					
SVOC'S (µg/l)	Annually							All<1*					
Comb Pesticide suite (µg/l)	Annually							All<0.01					

* Except Bis(2-ethylhexyl) phthalate = <2

**Clonreen Ash Repository
Monitoring Results**

Monitoring Location: MW09

Parameter	Date	24/01/2012	17/02/2012	26/03/2012	12/04/2012	18/05/2012	11/06/2012	26/07/2012	22/08/2012	27/09/2012	23/10/2012	13/11/2012	03/12/2012
Visual/Odour	Monthly	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour
Groundwater level (m AOD)	Monthly	67.468	67.518	67.268	67.068	67.518	67.468	67.618	67.268	67.368	67.668	67.568	67.668
pH (pH units)	Monthly	6.8	7	6.8	7	6.9	7	6.9	6.9	6.9	6.9	6.9	6.9
Electrical Conductivity (µS/cm)	Monthly	783	768	807	811	775	783	766	779	820	784	788	787
Total Ammonia mg/l	Monthly	2.48	2.46	2.2	2.39	2.14	2.26	2.2	2.2	2.2	2.3	2.2	2.5
Sulphate(SO4) mg/l	Monthly	9.87	8.1	11.52	10.49	10.42	8.53	8.2	9	11	8.6	9.7	8.3
Arsenic (µg/l)	Annually							54					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							25					
Beryium (µg/l)	Annually							2					
Barium (µg/l)	Annually							514					
calcium (mg/l)	Annually							210					
chromium (µg/l)	Annually							2					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							6					
Copper (µg/l)	Annually							2					
Iron (mg/l)	Annually							14					
Potassium (mg/l)	Annually							0.77					
Magnesium (mg/l)	Annually							7.6					
Manganese (µg/l)	Annually							286					
Sodium (mg/l)	Annually							6					
Nickel (µg/l)	Annually							43					
Lead (µg/l)	Annually							2					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (µg/l)	Annually							2					
Zinc (µg/l)	Annually							3					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.2					
PO4-P (mg/l)	Annually							0.01					
VOC's USEPA 524.2 (µg/l)	Annually							All<10					
SVOC'S (µg/l)	Annually							All<1*					
Comb Pesticide suite (µg/l)	Annually							All<0.01					

* Except Bis(2-ethylhexyl) phthalate = <2

**Clonreen Ash Repository
Monitoring Results**

Monitoring Location: MW10

Parameter	Date	24/01/2012	17/02/2012	26/03/2012	12/04/2012	18/05/2012	11/06/2012	26/07/2012	22/08/2012	27/09/2012	23/10/2012	13/11/2012	03/12/2012
Visual/Odour	Monthly	Clear no odour	Clear no odour	Clear no odour	Clear with slight gas odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour	Clear no odour
Groundwater level (m AOD)	Monthly	68.24	68.24	68.04	67.94	67.74	68.19	68.24	67.94	68.14	68.14	68.19	68.29
pH (pH units)	Monthly	7.1	7	7	7.1	7.5	7	7	7	7	7	6.9	7
Electrical Conductivity (µS/cm)	Monthly	616	611	632	669	641	669	637	669	672	693	651	666
Total Ammonia mg/l	Monthly	2.98	2.76	2.5	2.47	2.46	2.64	2.5	2.4	2.4	2.7	2.5	2.7
Sulphate(SO4) mg/l	Monthly	0.52	0.5	1.18	2.29	1.28	0.98	0.59	0.93	1	0.5	0.69	0.5
Arsenic (µg/l)	Annually							30					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							8					
Beryllium (µg/l)	Annually							2					
Barium (µg/l)	Annually							426					
calcium (mg/l)	Annually							167					
chromium (µg/l)	Annually							2					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							6					
Copper (µg/l)	Annually							2					
Iron (mg/l)	Annually							17					
Potassium (mg/l)	Annually							0.65					
Magnesium (mg/l)	Annually							3.9					
Manganese (µg/l)	Annually							305					
Sodium (mg/l)	Annually							9.7					
Nickel (µg/l)	Annually							31					
Lead (µg/l)	Annually							2					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							2					
Tin (µg/l)	Annually							2					
Zinc (µg/l)	Annually							3					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.1					
PO4-P (mg/l)	Annually							0.01					
VOC's USEPA 524.2 (µg/l)	Annually							All<10					
SVOC'S (µg/l)	Annually							All<1*					
Comb Pesticide suite (µg/l)	Annually							All<0.01					

* Except Bis(2-ethylhexyl) phthalate = <2

**Cloncreen Ash Repository
Monitoring Results**

Monitoring Location: MW11

Parameter	Date	24/01/2012	17/02/2012	26/03/2012	12/04/2012	18/05/2012	11/06/2012	26/07/2012	22/08/2012	27/09/2012	23/10/2012	13/11/2012	03/12/2012
Visual/Odour	Monthly	Clear no odour	Clear no odour	Clear no odour	Clear with slight gas odour	Clear with slight gas odour	Clear no odour	Brownish yellow with slight gas odour	Brownish yellow with slight gas odour	Clear no odour	Clear no odour	Slightly yellow with slight gas odour	Slightly yellow with slight gas odour
Groundwater level (m AOD)	Monthly	66.519	66.369	65.619	65.869	66.369	66.919	66.769	66.369	66.219	66.419	66.469	66.719
pH (pH units)	Monthly	7.2	7	7	7	7.2	7	9.3	10.41	8.6	7.1	8	8.1
Electrical Conductivity (µS/cm)	Monthly	858	843	731	752	737	947	2365	3530	1554	966	1498	1368
Total Ammonia mg/l	Monthly	3.19	3.36	3.12	3.1	3.22	3.29	4.7	4.7	3.8	3.3	3.3	3.3
sulphate(SO4) mg/l	Monthly	1.2	0.79	0.5	0.5	0.5	14.76	163	226	66	15	59	30
Arsenic (µg/l)	Annually							28					
Silver (µg/l)	Annually							2					
Aluminium (µg/l)	Annually							8071					
Beryllium (µg/l)	Annually							2					
Barium (µg/l)	Annually							354					
calcium (mg/l)	Annually							84					
chromium (µg/l)	Annually							30					
Cadmium (µg/l)	Annually							2					
Cobalt (µg/l)	Annually							15					
Copper (µg/l)	Annually							16					
Iron (mg/l)	Annually							24					
Potassium (mg/l)	Annually							225					
Magnesium (mg/l)	Annually							2.5					
Manganese (µg/l)	Annually							505					
Sodium (mg/l)	Annually							415					
Nickel (µg/l)	Annually							77					
Lead (µg/l)	Annually							49					
Antimony (µg/l)	Annually							2					
Selenium (µg/l)	Annually							6					
Tin (µg/l)	Annually							2					
Zinc (µg/l)	Annually							87					
Mercury (µg/l)	Annually							1					
Flouride (mg/l)	Annually							0.28					
PO4-P (mg/l)	Annually							0.95					
VOC's USEPA 524.2 (µg/l)	Annually							All<10					
SVOC'S (µg/l)	Annually							All<1*					
Comb Pesticide suite (µg/l)	Annually							All<0.01					

* Except Bis(2-ethylhexyl) phthalate = <2



| PRTR# : W0049 | Facility Name : Clonbulloge Ash Repository | Filename : W0049_2012(1).xls | Return Year : 2012 |

27/03/2013 14:28

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.15

REFERENCE YEAR	2012
-----------------------	------

1. FACILITY IDENTIFICATION

Parent Company Name	Bord Na Mona
Facility Name	Clonbulloge Ash Repository
PRTR Identification Number	W0049
Licence Number	W0049-02

Waste or IPPC Classes of Activity

No.	class_name
3.1	Deposit on, in or under land (including landfill).

Address 1	Cloncreen Bog
Address 2	Clonbulloge
Address 3	Co. Offaly
Address 4	
	Offaly
Country	Ireland
Coordinates of Location	-7.11013 53.274
River Basin District	IESE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Enda McDonagh (W0049)
AER Returns Contact Email Address	enda.mcdonagh@bnm.ie
AER Returns Contact Position	Head of Environmental Engineering
AER Returns Contact Telephone Number	057 9345911
AER Returns Contact Mobile Phone Number	086 2370816
AER Returns Contact Fax Number	057 9345160
Production Volume	0.0
Production Volume Units	0
Number of Installations	1
Number of Operating Hours in Year	3796
Number of Employees	4
User Feedback/Comments	
Web Address	www.bnm.ie

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(d)	Landfills

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

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

4. WASTE IMPORTED/ACCEPTED ONTO SITE

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

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	No
--	----

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

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

[PRTR# : W0049 | Facility Name : Clonbulloge Ash Repository | Filename : W0049_2012(1).xls | Return Year : 2012]

27/03/2013 14:28

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASERS TO AIR		METHOD			QUANTITY			
POLLUTANT		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

RELEASERS TO AIR		METHOD			QUANTITY			
POLLUTANT		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)

RELEASERS TO AIR		METHOD				QUANTITY					
POLLUTANT		Method Used									
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	DM-01	DM-02	DM-03	DM-04	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	Dust	C	OTH	VDI 2199 Blatt 2/Part 2	0.0	0.0	0.0	0.0	0.054	0.0	0.054

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

Additional Data Requested from Landfill operators

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

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

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : W0049 | Facility Name : Clonbulloge Ash Repository | Filename : W0049_2012(1).xls | Return Year : 2012 |

27/03/2013 14:29

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 co

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		M/C/E	Method Used		QUANTITY			
No. Annex II	Name		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		M/C/E	Method Used		QUANTITY			
No. Annex II	Name		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		M/C/E	Method Used		QUANTITY			
Pollutant No.	Name		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# : W0049 | Facility Name : Clonbulloge Ash Repository | Filename : W0049_2012(1).xls | Return

27/03/2013 14:29

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : W0049 | Facility Name : Clonbulloge Ash Repository | Filename : W0049_2012(1).xls | Return Year : 2012 |

27/03/2013 14:30

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0049 | Facility Name : Clonbulloge Ash Repository | Filename : W0049_2012(1).xls | Return Year : 2012 |

27/03/2013 14:31

Please enter all quantities on this sheet in Tonnes

3

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste: Name and Licence/Permit No of Next Destination Facility	Haz Waste: Address of Next Destination Facility	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		Non	Non Haz Waste: Address of Recover/Disposer		
Within the Country	20 03 01	No	1.17	mixed municipal waste	D1	C	Volume Calculation	Offsite in Ireland	AES Ltd Cappincur Tullamore Co Offaly,WCP-OY-08-601-01	Cappincur,Tullamore,Co Offaly,.,Ireland		
Within the Country	20 03 01	No	1.92	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	AES Ltd Cappincur Tullamore Co Offaly,WCP-OY-08-601-01	Cappincur,Tullamore,Co Offaly,.,Ireland		

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