Facility Information Summary	
AER Reporting Year	2013
Licence Register Number	P0606-03
Name of site	Great Island Generation Station
Site Location	Campile, New Ross, Co. Wexford
NACE Code	4010
Class/Classes of Activity	Production and Supply of Electricity
National Grid Reference (6E, 6 N)	E268907 N114574

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 plant is located on the Barrow/Suir estuary. It has three generating units, giving a total electricity generating capacity of 240 MW. All are conventional steam generating units, two of the conventional units have capacities of 60 MW, the third being 120 MW. Each unit is independent and consists of a boiler, steam turbine and auxiliary plant. The station is fired on heavy fuel oil shipped directly to site and stored in the station's own oil farm area.

During 2013 running hours for the station remained very low due to increased wind generation and lower energy demands. The running of the station is also dependant on its age, reliability and market conditions; hence the station no longer operates on a base load mode. The Station is expected to be replaced by the new CCGT in late 2014.

From a global amount of 378 running hours in the station during 2013:

- Unit 1 had a total running hours of 36 hrs, which is the equivalent of 9.6% of the station's total running time for 2013 for Great Island.
- Unit 2 ran a total running hours of 52 hrs, which is the equivalent of 13.7% of the station's total running time.
- Unit 3 ran for a total of 290 hrs, which is the equivalent of 76.7% of the station's total running time.

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.

Fergal Reilly	24/03/2014
Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date

AIR-summary template	Lic No:	P0606-03	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	Non-continuous monitoring (Cross checks) were not carried out this year due to reduced running hours. This was discussed with the Agency.

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)	No	No non-continuous monitoring was carried out this year

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
	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:	P0606-03	Year	2013

Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	Yes	
	If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)		
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	Yes	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	Yes	
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	No	

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
A1-1	Dust	250	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	176.01				U1 ran on the 26/06/13
A1-1	Dust	250	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	78.02				U1 ran on the 02/07/13
A1-1	Dust	250	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	197.15				U1 run on the 28/11/13
A1-1	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	918.3				U1 ran on the 26/06/13
A1-1	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	1612				U1 ran on the 02/07/13
A1-1	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	1557				U1 run on the 28/11/13
A1-1	Nitrogen oxides (NOx/NO2)	850	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	918.3				U1 ran on the 26/06/13
A1-1	Nitrogen oxides (NOx/NO2)	850	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	955.1				U1 ran on the 02/07/13
A1-1	Nitrogen oxides (NOx/NO2)	850	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	904.8				U1 run on the 28/11/13
A1-2	Dust	250	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	268.31				U2 ran on the 26th, 27th and 28th June
A1-2	Dust	250	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	6.6				U2 ran 01/07/2013
A1-2	Dust	250	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	89.62				U2 ran 06/12/13
A1-2	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	4594				U2 ran on the 26th, 27th and 28th June
A1-2	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	1428				U2 ran 01/07/2013
A1-2	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	937				U2 ran 06/12/13
A1-2	Nitrogen oxides (NOx/NO2)	850	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	2918.4			1	U2 ran on the 26th, 27th and 28th June. Nox exceendance reported due to oxygen in burners due to low load.
A1-2	Nitrogen oxides (NOx/NO2)	850	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	898.5				U2 ran 01/07/2013

AIR-summary template					Lic No:	P0606-03		Year	2013	
A1-2	Nitrogen oxides (NOx/NO2)	850	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	495.9				U2 ran 06/12/13
A1-3	Dust	200	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	262.9				U3 ran on the 21st and 22nd January 2013
A1-3	Dust	200	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	0		25 Days		U3 ran on the 11th and 25th of February 2013. Particulate monitors blown due to lightning strike.
A1-3	Dust	200	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	2549			1	U3 ran on the 7th, 12th, 13th, 19th, 20th, 26th, 27th March. On the 7th March there was a particulate exceedance due to operator error.
A1-3	Dust	200	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	213.7				U3 ran on 22nd and 28th May
A1-3	Dust	200	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	158.3				U3 ran on the 26th July
A1-3	Dust	200	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	428.3				Unit 3 ran 13th, 25th and 30th September
A1-3	Dust	200	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	1936.3			1	U3 ran 1st, 2nd, 3rd, 4th, 5th, 29th October. There was some difficulty with control system causing an exceedance on 2nd October.
A1-3	Dust	200	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	234.4				U3 ran 11th, 18th and 21st November
A1-3	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	5181.1				U3 ran on the 21st and 22nd January 2013
A1-3	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	5080.5				U3 ran on the 11th and 25th of February 2013.
A1-3	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	16746.9				U3 ran on the 7th, 12th, 13th, 19th, 20th, 26th, 27th March.
A1-3	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	3230.4				U3 ran on 22nd and 28th May
A1-3	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	3640.6				U3 ran on the 26th July
A1-3	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	4687.3				Unit 3 ran 13th, 25th and 30th September
A1-3	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	15506.5				U3 ran 1st, 2nd, 3rd, 4th, 5th, 29th October
A1-3	Sulphur oxides (Sox/SO2)	1700	Monthly	97 % of 48 hour averages < 110 % of ELV	mg/Nm3	3307.3				U3 ran 11th, 18th and 21st November

AIR-summary template					Lic No:	P0606-03		Year	2013	
A1-3	Nitrogen oxides (NOx/NO2)	900	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	1219.3				U3 ran on the 21st and 22nd January 2013
A1-3	Nitrogen oxides (NOx/NO2)	900	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	1507.6				U3 ran on the 11th and 25th of February 2013.
A1-3	Nitrogen oxides (NOx/NO2)	900	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	8661.6				U3 ran on the 7th, 12th, 13th, 19th, 20th, 26th, 27th March.
A1-3	Nitrogen oxides (NOx/NO2)	900	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	1761.7				U3 ran on 22nd and 28th May
A1-3	Nitrogen oxides (NOx/NO2)	900	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	2087.1				U3 ran on the 26th July
A1-3	Nitrogen oxides (NOx/NO2)	900	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	2665.4				Unit 3 ran 13th, 25th and 30th September
A1-3	Nitrogen oxides (NOx/NO2)	900	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	8579.9				U3 ran 1st, 2nd, 3rd, 4th, 5th, 29th October
A1-3	Nitrogen oxides (NOx/NO2)	900	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	1683.7				U3 ran 11th, 18th and 21st November

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

AIR-summary template	Lic No:	P0606-03	Year	2013

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: P0606-03 Year 2013

			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 storm water analysis and visual inspections	Yes	The new CCGT plant construction continued at pace this year and consequently there was no access to a number of sample points throughout the year (detailed below). The septic tank was decommisioned in May 2012 during CCGT works hence no samples taken from SW3. SW7 was out of commision for the third quarter of the year.
2	Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections	Yes	

Table W1 Storm 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
Oil Interceptor 4	18/01/2013	Drain not clear skin of oil observed	site	interceptor skimmed	
Oil Interceptor 4	24/06/2013	Dirty water from boiler leak	site	interceptor skimmed	
Oil Interceptor 4	16/07/2013	Drain not clear skin of oil observed	site	interceptor skimmed	
Interceptor B	04/08/2013	Drain not clear skin of oil observed	site	interceptor skimmed	
Oil Interceptor 6	12/08/2013	Drain not clear skin of oil observed	site	interceptor skimmed	
Oil Interceptor 5	14/08/2013	Drain not clear skin of oil observed	site	interceptor skimmed	
Oil Interceptor 6	31/08/2013	Drain not clear skin of oil observed	site	interceptor skimmed	
Oil Interceptor 4	08/10/2013	Drain not clear skin of oil observed	site	interceptor skimmed	
Oil Interceptor 6	29/10/2013	Drain not clear skin of oil observed	site	interceptor skimmed	
Oil Interceptor 4	13/11/2013	Drain not clear skin of oil observed	site	interceptor skimmed	
Interceptor B	19/11/2013	Drain not clear skin of oil observed	site	interceptor skimmed	

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		No	
4	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	External /Internal Lab Quality checklist / Assessment of results checklist	Yes	

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 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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)				Lic No:	P0606-03		Year	2013							
SW1	Water	COD	discrete	31/03/2013	Quarterly	100	All results < 1.2 x ELV	<4	mg/L	yes	Digestion + Spectrophotometry	Other (please specify)	TP006		Only one sample could be taken this year due to no access because of CCGT construction works
SW4	Water	COD	discrete	no samples	Quarterly	100	All results < 1.2 x ELV	no samples	mg/L	yes	Digestion + Spectrophotometry	Other (please specify)	TP006		No samples retrievable from this point in 2013
SW5	Water	pH	discrete	2013	Weekly	6 to 10	No pH value shall deviate from the specified range.	Average 7.3	pH units	yes	pH Meter (Electrode)				
SW5	Water	Temperature	discrete	2013	Weekly	none	No temperature value shall exceed the limit value.	10.98	degrees C	yes	INSTRUMENTAL METHODS				
SW5	Water	Suspended Solids	discrete	31/03/2013 31/12/2013	Quarterly	none	All results < 1.2 x ELV	2.3, 2.6	mg/L	yes	Gravimetric analysis	Other (please specify)	SMEWW2540D		Only 2 samples were possible in 2013
SW6	Water	pH	discrete	2013	Weekly	6 to 10	No pH value shall deviate from the specified range.	Average 7.6	pH units	yes	pH Meter (Electrode)				
SW6	Water	Temperature	discrete	2013	Weekly	none	No temperature value shall exceed the limit value.	Average 12.8	degrees C	yes	INSTRUMENTAL METHODS				
SW6	Water	Suspended Solids	discrete	31/03/2013 30/06/2013 30/09/2013 31/12/2013	Quarterly	none	All results < 1.2 x ELV	11.7, 16.4, 12.2, 3.6	mg/L	yes	Gravimetric analysis	Other (please specify)	SMEWW2540D		
SW6	Water	Mineral oils	discrete	31/03/2013 30/06/2013 30/09/2013 31/12/2013	Quarterly	20	All results < 1.2 x ELV	0.039, 0.071, 0.89, 0.33	mg/L	yes	Gravimetric analysis	Other (please specify)	SMEWW55208		
SW7	Water	Mineral oils	discrete	30/06/2013 31/12/2013	Quarterly	20	All results < 1.2 x ELV	0.082, 0.2	mg/L	yes	Gravimetric analysis	Other (please specify)			Only 2 samples were possible in 2013
SW7	Water	COD	discrete	30/06/2013 31/12/2013	Quarterly	100	All results < 1.2 x ELV	47, 98	mg/L	yes	Digestion + Spectrophotometry	Other (please specify)			Only 2 samples were possible in 2013
SW8	Water	Total Chlorine	discrete	30/06/2013	Quarterly	0.5	All results < 1.2 x ELV	NIL	mg/L	yes	Spectrophotometry (Colorimetry)	Other (please specify)			Only one sample attainable due to low running regime
SW10	Water	COD	discrete	31/03/2013 30/06/2013 31/12/2013	Quarterly	100	All results < 1.2 x ELV	4, 11, 13	mg/L	yes	Digestion + Spectrophotometry	Other (please specify)	TP006		Only 3 samples were attainable in 2013
SW11	Water	COD	discrete	no samples	Quarterly	100	All results < 1.2 x ELV	no samples	mg/L	yes	Digestion + Spectrophotometry	Other (please specify)	TP006		No samples retrievable from this point in 2013
SW12	Water	COD	discrete	no samples	Quarterly	100	All results < 1.2 x ELV	no samples	mg/L	yes	Digestion + Spectrophotometry	Other (please specify)	TP006		No samples retrievable from
SW13	Water	Ammonia (as N)	discrete	31/03/2013 30/09/2013 31/12/2013	Quarterly	5	All results < 1.2 x ELV	nil, nil, 0.82	mg/L	yes	Spectrophotometry (Colorimetry)	Other (please specify)	SMEWW45OOF		Only 3 samples were attainable in 2013

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)					Lic No:	P0606-03			Year	2013					
SW13	Water	Suspended Solids	discrete	31/03/2013	Quarterly	100	All results < 1.2 x ELV	36.8	mg/L	yes	Gravimetric analysis	Other (please specify)	SMEWW254OD		Only one sample attainable in 2013
SW13	Water	Volumetric Flow	discrete	No readings possible	Annual	54,750	No flow value shall exceed the specific limit.	No accurate reading possible	m3/day		INSTRUMENTAL METHODS				Accurate readings not possible due to CCGT construction site.

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: P0606-03 Year 2013

Continuous monitoring

			Additional Information
5	Does your site carry out continuous emissions to water/sewer monitoring?	Yes	
	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**	No	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	No	maintained by staff
8	Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below**	No	

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
SW13	Water	pH	6 to 9	each run	No pH value shall deviate from the .specified range	pH units	8.2	379.00%	0	0	
SW2	Water	Temperature	Delta 12 degrees C	24h	No temperature value shall exceed the limit .value	degrees C	Average Delta 1.9	18.75	0	0	

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: P0606-03 Year 2013

Bund testing

dropdown menu click to see options

			Additional information
1	Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to **all bunds which failed** the integrity test-**all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)	Yes	No bunds were due to be tested in 2013
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?	18	
5	How many of these bunds have been tested within the required test schedule?	18	
6	How many mobile bunds are on site?	2	
7	Are the mobile bunds included in the bund test schedule?	Yes	
8	How many of these mobile bunds have been tested within the required test schedule?	2	
9	How many sumps on site are included in the integrity test schedule?	N/A	
10	How many of these sumps are integrity tested within the test schedule?	N/A	
	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?	SELECT	
13	Is the Fire Water Retention Pond included in your integrity test programme?	No	We do not have one

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

Pipeline/underground structure testing

1	Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test and all which have not been tested withing the integrity test period as specified**	Yes	
2	Please provide integrity testing frequency period	3 years	

*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

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:	P0606-03	Year	2013

			Comments	
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes		Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
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	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. Groundwater monitoring template	no		
5	Is the contamination related to operations at the facility (either current and/or historic)	yes		
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	no		
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?	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?	no		
11	Have potential receptors been identified on and off site?	yes		
12	Is there evidence that contamination is migrating offsite?	no		Please enter interpretation of data here

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**	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**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
24/04/2013	BH10	Ammonia as NH4	Coulorometric	Annual	3.3	3.3	mg/l	0.15	IGV	data not available
24/04/2013	BH10	Chromium	GFAAS	Annual	<1	<1	ug/l	37.5		data not available

Groundwater/Soil monitoring template					Lic No:	P0606-03		Year	2013	
24/04/2013	BH10	Lead	GFAAS	Annual	2	2	ug/l	18.75		data not available
24/04/2013	BH10	Ph	Hydrogen Ion selective electrode	Annual	7.4	7.4	ph units	6.5-9.5	IGV	data not available
24/04/2013	BH10	PAH	GC-MS	Annual	<0.20	<0.20	ug/l	<0.20	SW EQS	data not available
24/04/2013	BH10	TPH	GC-PID	Annual	0.043	0.043	mg/l			data not available
24/04/2013	BH10	Vanadium	ICP-OES	Annual	<10	<10	ug/l	NV		data not available
24/04/2013	MW200	Aluminium	GFAAS	Annual	<10	<10	ug/l	150		data not available
24/04/2013	MW200	Ammonia as NH4	Coulorometric	Annual	0.11	0.11	mg/l	0.15	IGV	data not available
24/04/2013	MW200	Arsenic	ICP-OES	Annual	1.2	1.2	ug/l	7.5		data not available
24/04/2013	MW200	Mineral Oil	GC-MS	Annual	0.036	0.036	mg/l	0.01	IGV	data not available
24/04/2013	MW200	ph	Hydrogen Ion selective electrode	Annual	7.1	7.1	ph units	6.5-9.5	IGV	data not available
24/04/2013	MW200	PAH	GC-MS	Annual	<0.20	<0.20	ug/l	<0.20		data not available
24/04/2013	MW200	TPH	GC-FID	Annual	0.084	0.084	ug/l			data not available
24/04/2013	MW200	Vanadium	ICP-OES	Annual	<10	<10	ug/l	NV		data not available
24/04/2013	MW200	Total Coliforms	Membrane filtration	Annual	>100	>100	CFU/100ml			data not available
24/04/2013	MW200	Faecal Coliforms	Membrane filtration	Annual	0	0	CFU/100ml			data not available
24/04/2013	MW101	Aluminium	GFAAS	Annual	<10	<10	ug/l	<0.20	SW EQS	data not available
24/04/2013	MW101	Arsenic	ICP-OES	Annual	9.1	9.1	ug/l	7.5		data not available
24/04/2013	MW101	Mineral Oil	GC-MS	Annual	0.079	0.079	mg/l	0.01	IGV	data not available
24/04/2013	MW101	ph	Hydrogen Ion selective electrode	Annual	8.4	8.4	ph units	6.5-9.5	IGV	data not available
24/04/2013	MW101	PAH	GC-MS	Annual	<0.20	<0.20	ug/l	<0.20		data not available
24/04/2013	MW101	TPH	GC-FID	Annual	0.18	0.18	ug/l			data not available
24/04/2013	MW101	Vanadium	ICP-OES	Annual	<10	<10	ug/l	NV		data not available
24/04/2013	MW101	Total Coliforms	Membrane filtration	Annual	>100	>100	CFU/100ml			data not available

Groundwater/Soil monitoring template					Lic No:	P0606-03		Year	2013	
24/04/2013	MW101	Faecal Coliforms	Membrane filtration	Annual	11	11	CFU/100ml			data not available
24/04/2013	MW102	Aluminium	GFAAS	Annual	<10	<10	ug/l	<0.20	SW EQS	data not available
24/04/2013	MW102	Arsenic	ICP-OES	Annual	13	13	ug/l	7.5		data not available
24/04/2013	MW102	Mineral Oil	GC-MS	Annual	0.01	0.01	mg/l	0.01	IGV	data not available
24/04/2013	MW102	ph	Hydrogen Ion selective electrode	Annual	8.3	8.3	ph units	6.5-9.5	IGV	data not available
24/04/2013	MW102	PAH	GC-MS	Annual	<0.20	<0.20	ug/l	<0.20		data not available
24/04/2013	MW102	TPH	GC-FID	Annual	0.018	0.018	ug/l			data not available
24/04/2013	MW102	Vanadium	ICP-OES	Annual	<10	<10	ug/l	NV		data not available
24/04/2013	MW102	Total Coliforms	Membrane filtration	Annual	>100	>100	CFU/100ml			data not available
24/04/2013	MW102	Faecal Coliforms	Membrane filtration	Annual	3	3	CFU/100ml			data not available
24/04/2013	MW103	Aluminium	GFAAS	Annual	59	59	ug/l	<0.20	SW EQS	data not available
24/04/2013	MW103	Arsenic	ICP-OES	Annual	31	31	ug/l	7.5		data not available
24/04/2013	MW103	Mineral Oil	GC-MS	Annual	<0.010	<0.010	mg/l	0.01	IGV	data not available
24/04/2013	MW103	ph	Hydrogen Ion selective electrode	Annual	8.3	8.3	ph units	6.5-9.5	IGV	data not available
24/04/2013	MW103	PAH	GC-MS	Annual	0.23	0.23	ug/l	<0.20		data not available
24/04/2013	MW103	TPH	GC-FID	Annual	0.011	0.011	ug/l			data not available
24/04/2013	MW103	Vanadium	ICP-OES	Annual	30	30	ug/l	NV		data not available
24/04/2013	MW103	Total Coliforms	Membrane filtration	Annual	>100	>100	CFU/100ml			data not available
24/04/2013	MW103	Faecal Coliforms	Membrane filtration	Annual	0	0	CFU/100ml			data not available
24/04/2013	MW107	Aluminium	GFAAS	Annual	<10	<10	ug/l	<0.20	SW EQS	data not available
24/04/2013	MW107	Arsenic	ICP-OES	Annual	<0.16	<0.16	ug/l	7.5		data not available
24/04/2013	MW107	Mineral Oil	GC-MS	Annual	<0.010	<0.010	mg/l	0.01	IGV	data not available
24/04/2013	MW107	ph	Hydrogen Ion selective electrode	Annual	7	7	ph units	6.5-9.5	IGV	data not available

Groundwater/Soil monitoring template					Lic No:	P0606-03		Year	2013	
24/04/2013	MW107	PAH	GC-MS	Annual	<0.20	<0.20	ug/l	<0.20		data not available
24/04/2013	MW107	TPH	GC-FID	Annual	0.02	0.02	ug/l			data not available
24/04/2013	MW107	Vanadium	ICP-OES	Annual	<10	<10	ug/l	NV		data not available
24/04/2013	MW107	Total Coliforms	Membrane filtration	Annual	0	0	CFU/100ml			data not available
24/04/2013	MW107	Faecal Coliforms	Membrane filtration	Annual	0	0	CFU/100ml			data not available
27/09/2013	BH5	Ammonia as NH4	Coulorometric	Annual	0.66		mg/l	0.15	IGV	data not available
27/09/2013	BH5	Chromium	GFAAS	Annual	<1	<1	ug/l	37.5		data not available
27/09/2013	BH5	Lead	GFAAS	Annual	<2	<2	ug/l	18.75		data not available
27/09/2013	BH5	pH	Hydrogen Ion selective electrode	Annual	7.3	7.3	ph units	6.5-9.5	IGV	data not available
27/09/2013	BH5	PAH	GC-MS	Annual	<0.20	<0.20	ug/l	<0.20	SW EQS	data not available
27/09/2013	BH5	TPH	GC-FID	Annual	280	280	mg/l			data not available
27/09/2013	BH5	Vanadium	ICP-OES	Annual	140	140	mg/l	NV		data not available
27/09/2013	BH7	Ammonia as NH4	Coulorometric	Annual	<0.10	<0.10	mg/l	0.15	IGV	data not available
27/09/2013	BH7	Chromium	GFAAS	Annual	<1	<1	ug/l	37.5		data not available
27/09/2013	BH7	Lead	GFAAS	Annual	<2	<2	ug/l	18.75		data not available
27/09/2013	BH7	pH	Hydrogen Ion selective electrode	Annual	6.9	6.9	ph units	6.5-9.5	IGV	data not available
27/09/2013	BH7	PAH	GC-MS	Annual	<0.20	<0.20	ug/l	<0.20	SW EQS	data not available
27/09/2013	BH7	TPH	GC-FID	Annual	80	80	mg/l			data not available
27/09/2013	BH7	Vanadium	ICP-OES	Annual	<0.60	<0.60	mg/l	NV		data not available
27/09/2013	MW106	Ammonia as NH4	Coulorometric	Annual	0.6	0.6	mg/l	0.15	IGV	data not available
27/09/2013	MW106	Chromium	GFAAS	Annual	<1	<1	ug/l	37.5		data not available
27/09/2013	MW106	Lead	GFAAS	Annual	<2	<2	ug/l	18.75		data not available
27/09/2013	MW106	pH	Hydrogen Ion selective electrode	Annual	6.9	6.9	ph units	6.5-9.5	IGV	data not available

Groundwater/Soil monitoring template				Lic No:	P0606-03			Year	2013	
27/09/2013	MW106	PAH	GC-MS	Annual	<0.20	<0.20	ug/l	<0.20	SW EQS	data not available
27/09/2013	MW106	TPH	GC-FID	Annual	160	160	mg/l			data not available
27/09/2013	MW106	Vanadium	ICP-OES	Annual	4.4	4.4	mg/l	NV		data not available
27/09/2013	MW202	Aluminium	GFAAS	Annual	13		ug/l	150		data not available
27/09/2013	MW202	Ammonia as NH4	Coulorometric	Annual	4.9		mg/l	0.15	IGV	data not available
27/09/2013	MW202	Arsenic	ICP-OES	Annual	7.1		ug/l	7.5		data not available
27/09/2013	MW202	Mineral Oil	GC-MS	Annual	<10		mg/l	0.01	IGV	data not available
27/09/2013	MW202	pH	Hydrogen Ion selective electrode	Annual	8.1		ph units	6.5-9.5	IGV	data not available
27/09/2013	MW202	PAH	GC-MS	Annual	<0.20		ug/l	<0.20	SW EQS	data not available
27/09/2013	MW202	TPH	GC-FID	Annual	20		mg/l			data not available
27/09/2013	MW202	Vanadium	ICP-OES	Annual	10		ug/l	NV		data not available
27/09/2013	MW202	Total Coliforms	Membrane filtration	Annual	>100		CFU/100ml			data not available

*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA.

Groundwater monitoring template

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)

Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).

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

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

Groundwater/Soil monitoring template Lic No: P0606-03 Year 2013

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:	P0606-03	Year	2013

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	Review required and completed	Review of ELRA for 2013 is complete and is attached for review
3	Amount of Financial Provision cover required as determined by the latest ELRA	28,091.25	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	28,091.25	
6	Financial Provision for ELRA - type	Cash in bank	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and completed	
10	Financial Provision for Closure status	Submitted and agreed by EPA	
11	Financial Provision for Closure - amount of cover	2930000	
12	Financial Provision for Closure - type	cash in bank	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template

Lic No: P0606-03 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	ISO14001
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	IPPC no non conformances	100	no non conformances	Section head	No non conformances
Additional improvements	ISO14001 audit no non conformances	100	no non conformances	Section head	No non conformances
Additional improvements	Environmental legal compliance target > 7	100	Review of env. Questionaires	Section head	No non conformances
Additional improvements	Complete environmental training plan	100	Training complete	Section head	No non conformances
Materials Handling/Storage/Bunding	Complete bund integrity testing	100	No bunds required testing in 2013	Section Head	No bunds required testing in 2013
Waste reduction/Raw material usage efficiency	Achieve 70% recycling of non hazardous waste	100	Recycling	Section Head	Target reached
Additional improvements	CRAMP review	100	Cramp was reviewed and approved by Agency	Section Head	Cramp was reviewed and approved by Agency
Reduction of emissions to Water	Review SW and GW monitoring points in relation to new CCGT station	100	Liasing with CCGT project team	Section Head	Monitoring points in new CCGT have been agreed with Agency
Additional improvements	Implementation of MAXIMO	100	Maximo installed and staff trained	Section Head	Maximo is fully implemented into site
Additional improvements	Review and update EMS procedures & Emergency procedures	100	Procedures updated to reflect current site staffing arrangements and situation with CCGT project	Section head	Procedures updated
SELECT		SELECT		SELECT	SELECT

Noise monitoring summary report	Lic No:	P0606-03	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?		Enter date
5	Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?		Yes

Since construction activities are ongoing at site, CCGT project are monitoring noise levels in relation to construction activities on a continuous basis. These results are available on request but have not been included in this report since they do not relate to operational activities and due to large amount of data files.

Significant increase in construction activity and site traffic

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)?
											Yes

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

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

SELECT

Resource Usage/Energy efficiency summary	Lic No:	P0606-03	Year

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	Enter date of audit	
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	Yes	HFO<1%

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)	1421	999	-29.7	
Total Energy Generated (MWHrs)	19913	13843	-427.2	
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	1421	999	-29.7	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	6455	4612	-129.7	
Light Fuel Oil (m3)	186	202	1.1	
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

Note: House load has been estimated this year based on last years %. This is due to unit 3 transformer being out of action for approx half the year

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

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

Table R2 Water usage on site

					Water Emissions	Water Consumption	
Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Volume Discharged back to environment(m^3yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	34000	33200	-2.3				
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

Resource Usage/Energy efficiency summary	Lic No:	P0606-03	Year		
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

Resource Usage/Energy efficiency summary Lic No: P0606-03 Year

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
			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: P0606-03 Year 2013

Complaints

		Additional information
Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below	No	

Table 1 Complaints summary

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		

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

Incidents

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

*For information on how to report and what constitutes an incident	What is an incident

Table 2 Incidents summary

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurence
11/02/2013	Monitoring equipment offline	Licenced discharge point (A1-3)	1. Minor	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	New	Checked CEMS. Service and Maintenance carried out immediately in house. Mirrors cleaned, probed checked, zero set on particulates and maintenance contractor contacted for advice	CEMS service agent replaced parts blown by lightning	Complete	13/03/2013	Low
07/03/2013	Breach of ELV	Licenced discharge point (A1-3)	1. Minor	Air	Other (add details)	An oil heater developed a steam leak and so another oil heater had to be used. This oil heater was not fully fired up before use and this caused oil to get to the burners.	Normal activities	EPA	New	Problem with Boiler controls when load was rising to 33MW. Boiler controls had to be taken off auto to manual as the HFO pressure kept increasing resulting in an increase in Boiler Steam Pressure and smoke. By Manual intervention the emission was reduced.		Complete	21/03/2013	Low

Complaints and Incidents summary template					Lic No:	P0606-03		Year	2013					
27/06/2013	Breach of ELV	Licenced discharge point (A1-2)	1. Minor	Air	Other (add details)	During this run time, low megawatts were requested from the Grid (18.26MW – 25.40MW). This caused higher oxygen levels in the burners, which increased NOx emissions.	Normal activities	EPA	New	N/A	N/A	Complete	04/07/2013	Medium
30/09/2013	Breach of ELV	Licenced discharge point (A1-3)	1. Minor	Air	Other (add details)	Emissions returned to normal after exceedance and no issue was found with CEMS. There was some difficulty with the control system which may have been a factor which was resolved.	Normal activities	EPA	New	Investigations by E&I into the validity of data	Emissions returned to normal after exceedance and no issue was found with CEMS. There was some difficulty with the control system which may have been a factor which has now been resolved.	Complete	04/11/2013	Medium
06/10/2013	Spillage	Other location (please specify here)	1. Minor	No Uncontrolled release	Other (add details)	HFO pump seal failure caused possibly by bearing shell scoring seal	Normal activities	EPA	New	Pumps turned off, waste contractor called immediately. Pump was taken out of service. Spill was fully contained by interceptor.	Seals on other HFO pumps inspected for any other potential failures.	Complete	05/11/2013	Low

Total number of incidents current year	5
Total number of incidents previous year	8
% reduction/ increase	-37.50%

WASTE SUMMARY	Lic No:	P0606-03	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	SELECT	
2	Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	SELECT	
3	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	SELECT	

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

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code European Waste Catalogue EWC codes	Source of waste accepted	Description of waste accepted **Please enter an accurate and detailed description - which applies to relevant EWC code** 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 -

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	
5	Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site	SELECT	
6	Does your facility have relevant nuisance controls in place?	SELECT	
7	Do you have an odour management system in place for your facility? If no why?	SELECT	
8	Do you maintain a sludge register on site?	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

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
										SELECT UNIT	SELECT UNIT	SELECT UNIT
Cell 8												

Environmental Protection Agency

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2013

1. FACILITY IDENTIFICATION

Parent Company Name	SSE Generation Ireland Limited
Facility Name	SSE Generation Ireland Limited
PRTR Identification Number	P0606
Licence Number	P0606-03

Waste or IPPC Classes of Activity

No.	class_name
2.1	The operation of combustion installations with a rated thermal input equal to or greater than 50MW

Address 1	3 Grand Canal Plaza
Address 2	5th Floor
Address 3	Grand Canal Street Upper
Address 4	Dublin 4
	Dublin
Country	Ireland
Coordinates of Location	-6.99122 52.2812
River Basin District	IESE
NACE Code	3511
Main Economic Activity	Production of electricity
AER Returns Contact Name	Fergal Reilly
AER Returns Contact Email Address	fergal.reilly@sse.com
AER Returns Contact Position	Environmental Coordinator
AER Returns Contact Telephone Number	0864116368
AER Returns Contact Mobile Phone Number	0864116368
AER Returns Contact Fax Number	
Production Volume	240.0
Production Volume Units	MW
Number of Installations	1
Number of Operating Hours in Year	0
Number of Employees	36
User Feedback/Comments	Construction of the new CCGT power plant continued st pace this year and a number of monitoring points could not be accessed due to construction works throughout the year. Running hours for the HFO plant continued to be quite low this year again. Consequently a lot of parameters could not be sampled enough to give reliable figures for the year.
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
1(c)	Thermal power stations and other combustion installations

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

Is it applicable?	
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE

Guidance on waste imported/accepted onto site

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	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# : P0606 | Facility Name : SSE Generation Ireland Limited | Filename : P0606_2013.xls | Return Year : 2013 | 24/03/2014 11:01

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD				QUANTITY		
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0
02	Carbon monoxide (CO)	C	OTH	VGB/Eurelectric	2847.93	2847.93	0.0	0.0
05	Nitrous oxide (N2O)	C	OTH	VGB/Eurelectric	56.96	56.96	0.0	0.0
03	Carbon dioxide (CO2)	C	ETS		14943810.0	14943810.0	0.0	0.0
06	Ammonia (NH3)	C	OTH	VGB/Eurelectric	0.0	0.0	0.0	0.0
07	Non-methane volatile organic compounds (NMVOC)	C	OTH	VGB/Eurelectric	113.92	113.92	0.0	0.0
17	Arsenic and compounds (as As)	C	OTH	VGB/Eurelectric	0.38	0.38	0.0	0.0
18	Cadmium and compounds (as Cd)	C	OTH	VGB/Eurelectric	0.38	0.38	0.0	0.0
19	Chromium and compounds (as Cr)	C	OTH	VGB/Eurelectric	1.52	1.52	0.0	0.0
20	Copper and compounds (as Cu)	C	OTH	VGB/Eurelectric	1.52	1.52	0.0	0.0
21	Mercury and compounds (as Hg)	C	OTH	VGB/Eurelectric	0.06	0.06	0.0	0.0
22	Nickel and compounds (as Ni)	C	OTH	VGB/Eurelectric	37.97	37.97	0.0	0.0
23	Lead and compounds (as Pb)	C	OTH	VGB/Eurelectric	3.8	3.8	0.0	0.0
24	Zinc and compounds (as Zn)	C	OTH	VGB/Eurelectric	7.59	7.59	0.0	0.0
01	**Methane (CH4)**	C	OTH	VGB/Eurelectric	151.89	151.89	0.0	0.0
11	Sulphur oxides (SOx/SO2)	M	ALT	EN1481	68427.0	0.0	0.0	0.0
47	PCDD + PCDF (dioxins + furans)(as Teq)	C	OTH	VGB/Eurelectric	0.00000174	0.00000174	0.0	0.0
62	Benzene	C	OTH	VGB/Eurelectric	0.12	0.12	0.0	0.0
72	Polycyclic aromatic hydrocarbons (PAHs)	C	OTH	VGB/Eurelectric	0.01	0.01	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	ALT	EN1481	35257.0	0.0	0.0	0.0
86	Particulate matter (PM10)	M	ALT	EN1481	6598.61	0.0	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

Additional Data Requested from Landfill operators

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

Landfill: SSE Generation Ireland Limited

Please enter summary data on the quantities of methane flared and / or utilised			Method Used			
	T (Total) kg/Year	**M/C/E**	**Method Code**	**Designation or Description**	**Facility Total Capacity m3 per hour**	
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# : P0606 | Facility Name : SSE Generation Ireland Limited | Filename : P0606_2013.xls | Return Year : 2013 | 24/03/2014 11:01

0

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

RELEASES TO WATERS					Please enter all quantities in this section in KGs						
POLLUTANT									QUANTITY		
			Method Used		SW3	SW5	SW6	SW13			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
240	Suspended Solids	C	OTH	Mass Balance Calc	0.0	2.548	2.023	6.624	11.195	0.0	0.0
238	Ammonia (as N)	C	OTH	Mass Balance Calc	0.0	0.0	0.0	7.011	7.011	0.0	0.0
324	Mineral oils	C	OTH	Mass Balance Calc	0.0	0.0	0.0931	0.0	0.0931	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

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

4.4 RELEASES TO LAND

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	10 01 04	Yes	0.0	oil fly ash and boiler dust	R1	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland	Enva Ireland Ltd. ,WP2008/06,Smithstown Industrial Estate,,Shannon,Clare,Ireland	Smithstown Industrial Estate,,Shannon,Clare,Ireland
Within the Country	11 01 06	Yes	0.0	acids not otherwise specified	D15	M	Weighed	Offsite in Ireland	AES,WO229-01	Kilrane Business Park,,,,Wexford,Ireland	AES,WO229-01,Kilrane Business Park,,,,Wexford,Ireland	Kilrane Business Park,,,,Wexford,Ireland
Within the Country	12 01 03	No	0.0	non-ferrous metal filings and turnings	R4	M	Weighed	Offsite in Ireland	AES,WO229-01	Kilrane Business Park,,,,Wexford,Ireland		
Within the Country	13 01 01	Yes	0.0	hydraulic oils, containing PCBs (15)	R9	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland	ENVA Ireland Ltd.,WO184-1,Clonminam Ind. Est.,,Portlaois,Laois,Ireland	Clonminam Ind. Est.,,Portlaois,Laois,Ireland
Within the Country	13 02 08	Yes	7.0	other engine, gear and lubricating oils	R9	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland	ENVA Ireland Ltd.,WO184-1,Clonminam Ind. Est.,,Portlaois,Laois,Ireland	Clonminam Ind. Est.,,Portlaois,Laois,Ireland
Within the Country	13 07 03	Yes	10.68	other fuels (including mixtures)	R9	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland	ENVA Ireland Ltd.,WO184-1,Clonminam Ind. Est.,,Portlaois,Laois,Ireland	Clonminam Ind. Est.,,Portlaois,Laois,Ireland
Within the Country	13 08 02	Yes	6.68	other emulsions	R9	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland	ENVA Ireland Ltd.,WO184-1,Clonminam Ind. Est.,,Portlaois,Laois,Ireland	Clonminam Ind. Est.,,Portlaois,Laois,Ireland
Within the Country	14 06 01	Yes	0.0	chlorofluorocarbons, HCFC, HFC	R13	M	Weighed	Offsite in Ireland	Veoila,WO0050-02	Fermoy,.,Cork,.,Ireland	Veoila,WO0050-02,Fermoy,.,.,Cork,Ireland	Fermoy,.,.,Cork,Ireland
Within the Country	15 01 06	No	0.763	mixed packaging	R5	M	Weighed	Offsite in Ireland	AES,WO229-01	Kilrane Business Park,,,,Wexford,Ireland		
Within the Country	15 01 10	Yes	0.0	packaging containing residues of or contaminated by dangerous substances absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by	R4	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland	MSM Metal Recycling,WMP02/2008,.,.,., Waterford,Ireland	.,.,.,Waterford,Ireland
To Other Countries	15 02 02	Yes	1.0	dangerous substances	R1	M	Weighed	Abroad	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland	Lindenschmidt,E97095037,Lindenschmidt ,.,.,.,Germany	.,.,.,.,Germany
Within the Country	16 02 13	Yes	0.0	discarded equipment containing hazardous components (16) other than those mentioned in 16 02 09 to 16 02 12	R5	M	Weighed	Offsite in Ireland	AES,104-1	Cappincur,.,Tullamore,Offaly,Ireland	WEEE Recycle,WO113-03,Cappincur Ind. Est.,.,Tullamore,Offaly,Ireland	Cappincur Ind. Est.,.,Tullamore,Offaly,Ireland
Within the Country	16 02 14	No	0.0	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	R4	M	Weighed	Offsite in Ireland	AES,WO229-01	Kilrane Business Park,,,,Wexford,Ireland		
Within the Country	16 02 16	No	0.165	components removed from discarded equipment other than those mentioned in 16 02 15	R4	M	Weighed	Offsite in Ireland	AES,104-1	Cappincur,.,Tullamore,Offaly,Ireland		
Within the Country	16 05 04	Yes	0.02	gases in pressure containers (including halons) containing dangerous substances	R13	M	Weighed	Offsite in Ireland	Veoila,WO0050-02	Fermoy,.,Cork,.,Ireland	Veoila,WO0050-02,Fermoy,.,.,Cork,Ireland	Fermoy,.,.,Cork,Ireland
Within the Country	16 05 06	Yes	0.0	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	R1	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland	Enva Ireland Ltd. ,WP2008/06,Smithstown Industrial Estate,,Shannon,Clare,Ireland	Smithstown Industrial Estate,,Shannon,Clare,Ireland

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	16 05 07	Yes	0.0	discarded inorganic chemicals consisting of or containing dangerous substances	R1	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,,Portlaois,Laois,Ireland	Enva Ireland Ltd. ,WP2008/06,Smithstown Industrial Estate,.,Shannon,Clare,Ireland	Smithstown Industrial Estate,.,Shannon,Clare,Ireland
Within the Country	16 06 05	No	0.06	other batteries and accumulators	R4	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,,Portlaois,Laois,Ireland		
Within the Country	16 07 08	Yes	0.0	wastes containing oil	R9	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Rilta Environmental Ltd,WO185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland
Within the Country	17 02 01	No	0.0	wood	R5	M	Weighed	Offsite in Ireland	AES,WO229-01	Kilrane Business Park,,,,Wexford,Ireland		
Within the Country	17 02 03	No	0.0	plastic	R3	E	Volume Calculation	Offsite in Ireland	Oxigen,W0208-01	Ballymount Industrial Estate,Ballymount Road Lower,Clondalkin,Dublin 22,Ireland		
Within the Country	17 04 05	No	5.88	iron and steel	R4	E	Volume Calculation	Offsite in Ireland	A1 Metals,WMP007	Acragar ,Mountmellick , ,Laois,Ireland		
Within the Country	17 04 07	No	0.0	mixed metals	R4	M	Weighed	Offsite in Ireland	Hegarty Metal,WP05-04	Ballysimon,.,,,Limerick,Ireland		
Within the Country	17 04 11	No	0.0	cables other than those mentioned in 17 04 10	R4	M	Weighed	Offsite in Ireland	AES,WO229-01	Kilrane Business Park,,,,Wexford,Ireland		
Within the Country	17 05 03	Yes	0.0	soil and stones containing dangerous substances	R13	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,,Portlaois,Laois,Ireland	ENVA Ireland Ltd.,WO184-1,Clonminam Ind. Est.,,,Portlaois,Laois,Ireland	Clonminam Ind. Est.,,,Portlaois,Laois,Ireland
Within the Country	17 06 05	Yes	0.0	construction materials containing asbestos (18)	D15	M	Weighed	Offsite in Ireland	Euro Dismantling Services,4940903743	Loxley Manor ,Loxley ,Sheffield,S66RW ,United kingdom	Oxigen Environmental ,W0208-01,Ballymount Industrial Estate ,Ballymount Road Lower,Clondalkin,Dublin 22,Ireland	Ballymount Industrial Estate ,Ballymount Road Lower,Clondalkin,Dublin 22,Ireland
Within the Country	20 01 01	No	0.0	paper and cardboard	R5	M	Weighed	Offsite in Ireland	AES,WO229-01	Kilrane Business Park,,,,Wexford,Ireland		
Within the Country	20 01 02	No	0.0	glass	R5	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,,Portlaois,Laois,Ireland		
Within the Country	20 01 21	Yes	0.0	fluorescent tubes and other mercury-containing waste	R4	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,,Portlaois,Laois,Ireland	Irish Lamp Recycling,WFP-KE-08-0348-01,Athy,.,.,Kildare,Ireland	.,.,.,.,Ireland
Within the Country	20 01 28	No	0.0	paint, inks, adhesives and resins other than those mentioned in 20 01 27	R3	M	Weighed	Offsite in Ireland	Jack & Jill Foundation,.	Johnstown Manor,Johnstown ,Naas,Kildare,Ireland		
Within the Country	20 01 36	No	0.0	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R5	M	Weighed	Offsite in Ireland	AES,WO229-01	Kilrane Business Park,,,,Wexford,Ireland		
Within the Country	20 03 01	No	2.28	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	AES,WO229-01	Kilrane Business Park,,,,Wexford,Ireland		
Within the Country	**10 01 22**	**Yes**	6.04	aqueous sludges from boiler cleansing containing dangerous substances	D9	M	Volume Calculation	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,,Portlaois,Laois,Ireland	ENVA Ireland Ltd.,WO184-1,Clonminam Ind. Est.,,,Portlaois,Laois,Ireland	Clonminam Ind. Est.,,,Portlaois,Laois,Ireland

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

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					

Link to previous years waste data
Link to previous years waste summary data & percentage change
Link to Waste Guidance