Facility Information Summary	
AER Reporting Year	2015
Licence Register Number	P0606-03
Name of site	Great Island Generating 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.	For the first 4 months of the year, the HFO plant was available for production and the CCGT was in the commissioning phase, which involved running and burning of fuel. The HFO plant ceased production in April 2015 and the CCGT plant began commercial operation. Running hours for the HFO plant this year consequently were very low at 146 hours, while the total running time for the new CCGT plant, including commissioning phase was 4132 hours. Decommissioning of the HFO plant began in October 2015 according to a Decommissioning Plan approved by The Agency and is due to finish in March of 2016. The decommissioning works include complete removal of Heavy Fuel Oil from site, survey and repair of all underground pipework, removal of all chemicals, cleaning of all chemical tanks and pipework. These works are subject to final sign off from The Agency in 2016. Great Island reported two incidents to The Agency in 2015; an exceedance of SO2 that was later agreed to be a false high reading caused by instrument interference. The second incident was a breach of our CW temperature condition, related to equipment failure.

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	10/03/2016
Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date

AIR-summary template Lic No: P0606-03 Year 2015

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	Emissions for both the HFO plant at the start of the year and the CCGT plant for the remainder of the year are detailed below.

Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below	No	
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? Basic air monitoring checklist AGN2	Yes	

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
	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

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 A2 and compare it to its relevant Emission Limit Value (ELV)	Yes	Emissions for both the HFO plant at the start of the year and the CCGT plant for the rest of the year are detailed below. The HFO ceased production in April 2015 when the CCGT began commercial operation.
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	No	
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 monitorin

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
A1-3	Nitrogen oxides (NOx/NO2)	850	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	1.168		0	0	January
A1-3	Sulphur oxides (SOx/SO2)	1700	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	4.047		0	0	January
A1-3	Dust	200	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	0.271		0	0	January
A1-3	Nitrogen oxides (NOx/NO2)	850	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	2.407		0	0	February
A1-3	Sulphur oxides (SOx/SO2)	1700	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	5.288		0	0	February
A1-3	Dust	200	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	0.503		0	0	February
A1-3	Nitrogen oxides (NOx/NO2)	850	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	7.764		0	0	March
A1-3	Sulphur oxides (SOx/SO2)	1700	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	21.775		0	0	March
A1-3	Dust	200	Monthly	95 % of all 48 hour averages < 110 % of ELV	mg/Nm3	1.872		0	0	March
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	38.885		0	0	April (commercial commencemen t)
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	2.994		0	0	April (commercial commencemen t)
A2-1	Dust	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.204		0	0	April (commercial commencemen t)
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	36.047		0	0	May
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	2.597		0	0	May (agreement with Agency that this was a false high reading)
A2-1	Dust	5	Monthly	No validated monthly average value shall exceed	mg/Nm3	0.206		0	0	May
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	44.86		0	0	June
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	3.46		0	0	June
A2-1	Dust	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.203		0	0	June
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	58.432		0	0	July
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	3.953		0	0	July
A2-1	Dust	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.252		0	0	July
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	45.113		0	0	August
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	3.119		0	0	August
A2-1	Dust	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.174		0	0	August
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	42.814		0	0	September
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	2.244		0	0	September
A2-1	Dust	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.195		0	0	September
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	42.997		0	0	October
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	2.916		0	0	October
A2-1	Dust	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.17		0	0	October
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	13.349		0	0	November
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	1.881		0	0	November
A2-1	Dust	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.059		0	0	November
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	15.15		0	0	December
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	2.957		0	0	December
A2-1	Dust	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.079		0	0	December
	SELECT				SELECT					

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

Table A3: Abatement system bypass reporting tabl Bypass protocol

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

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

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

Solvent use and management on site

8	Do you have a total Emission Limit Value of direct and fugitive emissions on site? If yes please fill out tables A4 and A5	No	

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	Total emission of Solvent to air (kg)
							Total	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: P0606-03 Year 2015

			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 monitoring program for the CGT began on commercial commencement in April 2015. HFO monitoring program ceased to be applicable at this time also.
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
SW4	07/11/2015	Small overflow of interceptor into chamber	site	Contractor called to clean up chamber	Heavy rainfall and faulty pump
			SELECT		

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

				Additional information
3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below		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
SW1	Water	Suspended Solids	discrete	Monthly	Monthly	none	n/a	8, 1, 13, <1,<1,<1,17,<1	mg/L	yes	Gravimetric analysis		SMEWW2540D		
SW1	Water	Total petroleum hydrocarbons	discrete	Monthly	Monthly	none	n/a	0.2, 0.1	mg/L	yes	Digestion + Spectrophotometry		ASTM D7678		All other months were neglible
SW3B	Water	Suspended Solids	discrete	Monthly	Monthly	none	n/a	376,6,376,43,269,56,54,10	mg/L	yes	Gravimetric analysis		SMEWW2540D		
SW3B	Water	Total petroleum hydrocarbons	discrete	Monthly	Monthly	none	n/a	trace, all months	mg/L	yes	Digestion + Spectrophotometry		ASTM D7678		
SW4	Water	Suspended Solids	discrete	Monthly	Monthly	none	n/a	8,2,trace,12,56,76,16,1105	mg/L	yes	Gravimetric analysis		SMEWW2540D		
SW4	Water	Total petroleum hydrocarbons	discrete	Monthly	Monthly	none	n/a	0.9,0.5,0.3,0.4	mg/L	yes	Digestion + Spectrophotometry		ASTM D7678		All other months were neglible
SW12	Water	Suspended Solids	discrete	Monthly	Monthly	none	n/a	353,52,122,280,179,33,71,1	mg/L	yes	Gravimetric analysis		SMEWW2540D		
SW12	Water	Total petroleum hydrocarbons	discrete	Monthly	Monthly	none	n/a	0.1,0.1	mg/L	yes	Digestion + Spectrophotometry		ASTM D7678		All other months were neglible
SW13	Water	BOD	composite	Monthly	Monthly	20	All results < 1.2 x ELV	<2,<2,2,3,3,<2	mg/L	yes	DO probe		SMEWW5210B		
SW13	Water	COD	composite	Monthly	Monthly	none	All results < 1.2 x ELV	7,12,10,9,13,15,6	mg/L	yes	Digestion & Colorimetry		TP006		
SW13	Water	Suspended Solids	composite	Monthly	Monthly	30	All results < 1.2 x ELV	<1,7,8,2,3,<1,<1,<1	mg/L	yes	Gravimetric analysis		SMEWW2540D		
SW13	Water	Total petroleum hydrocarbons	composite	Monthly	Monthly	none	n/a	0.1	mg/L	yes	Digestion + Spectrophotometry		ASTM D7678		All other months were neglible
SW13	Water	Ammonia (as N)	composite	Monthly	Monthly	5	All results < 1.2 x ELV	0.82, <.1,<.1,<.1,<.1,<.1, <.1	mg/L	yes	Colourimetric		SMEWW4500 10023		
SW13	Water	Total phosphorus	composite	Monthly	Monthly	5	All results < 1.2 x ELV	0.3,0.06,0.72,0.91,1.1,1.1	mg/L	yes	Digestion & Colorimetry		SMEWW4500PB		
SW13	Water	Toxicity	discrete	Annual	n/a	none	n/a	<2.2	Toxicity unit	yes	30 min EC_{50} to Vibrio fischeri		INAB accredited test		
ASW-1	Water	Tetrachloromethane (TCM)	discrete	Quarterly	n/a	none	n/a	<1 all results	ppb	yes	GC (Gas Chromatography)				
SW3A	Water	BOD	discrete	Biannual	n/a	25	All results < 1.2 x ELV	<2, <2	mg/L	yes	DO probe		SMEWW5210B		
SW3A	Water	Suspended Solids	discrete	Biannual	n/a	35	All results < 1.2 x ELV	269, 10	mg/L	yes	Gravimetric analysis		SMEWW2540D		269 sample result invalid, contaminated by construction dust/debris from site works
SW3A	Water	Ammonia (as N)	discrete	Biannual	n/a	5	All results < 1.2 x ELV	0.12, 0.45	mg/L	yes	Colourimetric		SMEWW4500 10023		
SW3A	Water	Total phosphorus	discrete	Biannual	n/a	2	All results < 1.2 x ELV	0.42, <0.05	mg/L	yes	Digestion & Colorimetry		SMEWW4500PB		
SW2	Water	Chlorine	discrete	Weekly	n/a	0.3	All results < 1.2 x ELV	average for year 0.15	mg/L	yes	Colourimetric		DPD method		

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

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

Continuous monitoring

			Additional Information
5	Does your site carry out continuous emissions to water/sewer monitoring?	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	Some equipment maintained in house
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
SW2	Water	Temperature	DELTA T <12 degrees	24 hour	No temperature value shall exceed the limit .value	degrees C	average delta T 2.5	-41%	0	1	One exceedance reported in June of 12.9 degrees
SW13	Water	pH	6 to 9	Monthly	No pH value shall deviate from the .specified range	pH units	average 8.2	3.80%	0	0	
SW13	Water	Total organic carbon (TOC) (as total C or COD/3)	none	Monthly	n/a	TOC	average 0.4	n/a	0	0	
SW13	Water	Temperature	none	Monthly	n/a	degrees C	average 29	n/a	0	0	
SW3	Water	pH	none	Monthly	n/a	pH units	average 7.2	n/a	0	0	
SW4	Water	pH	none	Monthly	n/a	pH units	average 7.3	n/a	0	0	
SW12	Water	pH	none	Monthly	n/a	pH units	average 7.3	n/a	0	0	
SW1	Water	pH	none	Monthly	n/a	pH units	average 7.9	n/a	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 2015

Bund testing

dropdown menu click to see options

	Question	Answer	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	5 bunds tested in 2015
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?	35 (17 have been decomissioned)	CCGT began commercial commercial operation in 2015. All HFO plants bunds have been decomissioned now.
5	How many of these bunds have been tested within the required test schedule	35	
6	How many mobile bunds are on site?	6	
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	6	
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	Do not have a firewater pond

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)
UT3	general purpose concrete/masonry		Transformer oil	7.3 m3	6.2 m3	Hydraulic test		02/07/2015	Yes	Fail	Concrete cracks	This transformer has now been decommissioned and transformer oil removed	n/a	n/a
WTP sulphuric acid	general purpose concrete/masonry		Sulphuric acid	34.9 m3	26.95 m3	Hydraulic test		02/07/2015	Yes	Pass				
WTP caustic	general purpose concrete/masonry		Caustic	34.9 m3	32.18 m3	Hydraulic test		02/07/2015	Yes	Pass				
A - Bulk Hydrazine	general purpose concrete/masonry		Hydrazine	4.16 m3	0.88 m3	Hydraulic test		02/07/2015	Yes	Pass				
A - Ammonia	general purpose concrete/masonry		Ammonia	4.16 m3	0.88 m3	Hydraulic test		02/07/2015	Yes	Pass		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

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

	Question	Answer	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

	Question	Answer	Additional information
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	Hfo plant underground structures were CCTV surveyed in 2014 which identified various fractures and failures in pipework. All failures were rehabilitated by third party contractor in 2015.
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)
gj 17h	Storm	concrete	No	SELECT	Combination	Yes	Fail (2014)	Fracture	Rehab works	Complete	Pass
gj 17b	Storm	concrete	No		Combination	Yes	Fail (2014)	hole	Rehab works	Complete	Pass
js 16	Storm	concrete	No		Combination	Yes	Fail (2014)	hole	Rehab works	Complete	Pass
js 10	Storm	concrete	No		Combination	Yes	Fail (2014)	spalling	Rehab works	Complete	Pass
js 7	Storm	manhole	No		Combination	Yes	Fail (2014)	manhole buried	Rehab works	Complete	Pass
js 7	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
js 7	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
js 7	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
js 5	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
js 5	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
js 6	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
js 4	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
js 4	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
js 4	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
gs 5	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
gs 5	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
gs 5	Storm	clay	No		Combination	Yes	Fail (2014)	20% concrete	Rehab works	Complete	Pass
gs 8	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
gs 8	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
gs 9	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9a	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9a	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9a	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9a	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9a	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9a	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
hs 9a	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
aj g9b	Storm	clay	No		Combination	Yes	Fail (2014)	open joint	Rehab works	Complete	Pass
aj g9b	Storm	clay	No		Combination	Yes	Fail (2014)	displaced joint	Rehab works	Complete	Pass
aj g9b	Storm	clay	No		Combination	Yes	Fail (2014)	open joint	Rehab works	Complete	Pass
aj g9a	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
aj g9a	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
aj g9a	Storm	clay	No		Combination	Yes	Fail (2014)	hole	Rehab works	Complete	Pass
gs 8	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
gs 8	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
aj g8	Storm	clay	No		Combination	Yes	Fail (2014)	hole	Rehab works	Complete	Pass
gs 3	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
gs 3	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
ls 2	Storm	concrete	No		Combination	Yes	Fail (2014)	pipe going through	Rehab works	Complete	Pass
ls 2	Storm	concrete	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass
js 14	Storm	clay	No		Combination	Yes	Fail (2014)	hole	Rehab works	Complete	Pass
bf 14	Storm	clay	No		Combination	Yes	Fail (2014)	hole	Rehab works	Complete	Pass
bf 13	Storm	clay	No		Combination	Yes	Fail (2014)	hole	Rehab works	Complete	Pass
bf 12	Storm	clay	No		Combination	Yes	Fail (2014)	open joint	Rehab works	Complete	Pass
bf 11	Storm	clay	No		Combination	Yes	Fail (2014)	pipe in line	Rehab works	Complete	Pass
bf 15	Storm	clay	No		Combination	Yes	Fail (2014)	fracture	Rehab works	Complete	Pass

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

Groundwater/Soil monitoring template	Lic No:	P0606-03	Year	2015

			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
08/09/2015	MW101	Aluminium	GFAAS	Annual	93	93	µg/l	150	SW EQS	
08/09/2015	MW101	Ammonia	Coulometric	Annual	0	0	mg/l	<0.15	IGV	
08/09/2015	MW101	Arsenic	ICP-OES	Annual	4.8	4.8	µg/l	7.5		
08/09/2015	MW101	Mineral Oil	GC-MS	Annual	17	17	mg/l	0.01	IGV	
08/09/2015	MW101	ph	Ion Selective Electrode	Annual	8.1	8.1	ph units	6.5-9.5	IGV	
08/09/2015	MW101	PAH	GC-MS	Annual	<0.20	<0.20	µg/l	<0.2		
08/09/2015	MW101	TPH	GC-FID	Annual	36	36	µg/l			
08/09/2015	MW101	Vanadium	ICP-OES	Annual	7.2	7.2	µg/l	NV		
08/09/2015	MW101	Total Coliforms	Membrane Filtration	Annual	6	6	CFU/100 mls			
08/09/2015	MW102	Aluminium	GFAAS	Annual	21	21	µg/l	150	SW EQS	
08/09/2015	MW102	Ammonia	Coulometric	Annual	0	0	mg/l	<0.15	IGV	
08/09/2015	MW102	Arsenic	ICP-OES	Annual	8.7	8.7	µg/l	7.5		
08/09/2015	MW102	Mineral Oil	GC-MS	Annual	<10	<10	mg/l	0.01	IGV	
08/09/2015	MW102	ph	Ion Selective Electrode	Annual	8	8	ph units	6.5-9.5	IGV	
08/09/2015	MW102	PAH	GC-MS	Annual	<0.20	<0.20	µg/l	<0.2		
08/09/2015	MW102	TPH	GC-FID	Annual	39	39	µg/l			
08/09/2015	MW102	Vanadium	ICP-OES	Annual	9	9	µg/l	NV		
08/09/2015	MW102	Total Coliforms	Membrane Filtration	Annual	50	50	CFU/100 mls			
08/09/2015	MW103	Aluminium	GFAAS	Annual	68	68	µg/l	150	SW EQS	
08/09/2015	MW103	Ammonia	Coulometric	Annual	0	0	mg/l	<0.15	IGV	
08/09/2015	MW103	Arsenic	ICP-OES	Annual	35	35	µg/l	7.5		
08/09/2015	MW103	Mineral Oil	GC-MS	Annual	28	28	mg/l	0.01	IGV	
08/09/2015	MW103	ph	Ion Selective Electrode	Annual	7.9	7.9	ph units	6.5-9.5	IGV	
08/09/2015	MW103	PAH	GC-MS	Annual	<0.20	<0.20	µg/l	<0.2		
08/09/2015	MW103	TPH	GC-FID	Annual	61	61	µg/l			
08/09/2015	MW103	Vanadium	ICP-OES	Annual	28	28	µg/l	NV		
08/09/2015	MW103	Total Coliforms	Membrane Filtration	Annual	>100	>100	CFU/100 mls			
08/09/2015	MW106	Aluminium	GFAAS	Annual	34	34	µg/l	150	SW EQS	
08/09/2015	MW106	Ammonia	Coulometric	Annual	<0.10	<0.10	mg/l	<0.15	IGV	
08/09/2015	MW106	Arsenic	ICP-OES	Annual	1.9	1.9	µg/l	7.5		
08/09/2015	MW106	Mineral Oil	GC-MS	Annual	26	26	mg/l	0.01	IGV	
08/09/2015	MW106	ph	Ion Selective Electrode	Annual	7.6	7.6	ph units	6.5-9.5	IGV	
08/09/2015	MW106	PAH	GC-MS	Annual	<0.20	<0.20	µg/l	<0.2		
08/09/2015	MW106	TPH	GC-FID	Annual	59	59	µg/l			
08/09/2015	MW106	Vanadium	ICP-OES	Annual	<0.6	<0.6	µg/l	NV		
08/09/2015	MW106	Total Coliforms	Membrane Filtration	Annual	>100	>100	CFU/100 mls			
08/09/2015	MW200	Aluminium	GFAAS	Annual	5	5	µg/l	150	SW EQS	
08/09/2015	MW200	Ammonia	Coulometric	Annual	0.54	0.54	mg/l	<0.15	IGV	
08/09/2015	MW200	Arsenic	ICP-OES	Annual	0.68	0.68	µg/l	7.5		
08/09/2015	MW200	Mineral Oil	GC-MS	Annual	20	20	mg/l	0.01	IGV	
08/09/2015	MW200	ph	Ion Selective Electrode	Annual	6.9	6.9	ph units	6.5-9.5	IGV	
08/09/2015	MW200	PAH	GC-MS	Annual	<0.20	<0.20	µg/l	<0.2		
08/09/2015	MW200	TPH	GC-FID	Annual	130	130	µg/l			
08/09/2015	MW200	Vanadium	ICP-OES	Annual	<0.6	<0.6	µg/l	NV		
08/09/2015	MW200	Total Coliforms	Membrane Filtration	Annual	>100	>100	CFU/100 mls			
08/09/2015	MW202	Aluminium	GFAAS	Annual	78	78	µg/l	150	SW EQS	
08/09/2015	MW202	Ammonia	Coulometric	Annual	6.8	6.8	mg/l	<0.15	IGV	
08/09/2015	MW202	Arsenic	ICP-OES	Annual	6.5	6.5	µg/l	7.5		
08/09/2015	MW202	Mineral Oil	GC-MS	Annual	43	43	mg/l	0.01	IGV	
08/09/2015	MW202	ph	Ion Selective Electrode	Annual	8.1	8.1	ph units	6.5-9.5	IGV	
08/09/2015	MW202	PAH	GC-MS	Annual	<0.20	<0.20	µg/l	<0.2		
08/09/2015	MW202	TPH	GC-FID	Annual	340	340	µg/l			
08/09/2015	MW202	Vanadium	ICP-OES	Annual	9.8	9.8	µg/l	NV		
08/09/2015	MW202	Total Coliforms	Membrane Filtration	Annual	10	10	CFU/100 mls			
08/09/2015	BH5	Vanadium	ICP-OES	Annual	120	120	µg/l	NV		
08/09/2015	BH7	Vanadium	ICP-OES	Annual	<0.6	<0.6	µg/l	NV		
08/09/2015	BH10	Vanadium	ICP-OES	Annual	<0.6	<0.6	µg/l	NV		

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)

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	2015

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

			Commentary
1	ELRA initial agreement status	Required but not submitted	As agreed with The Agency we are required to submit a new ELRA for the CCGT plant completed by a third party consultant. This work is currently in progress, expected to be complete by mid April. We will submit to The Agency via ALDER when report is available.
2	ELRA review status	SELECT	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
4	Financial Provision for ELRA status	SELECT	
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	SELECT	
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	SELECT	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template

Lic No: P0606-03 Year 2015

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	A new EMS has been created for the new CCGT plant. This new EMS is expected to be certified ISO14001 by May 2016.
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	Adhere to all licence conditions, 0 non conformances	100	1 non conformance in 2015	Section Head	Increased compliance with licence conditions
Waste reduction/Raw material usage efficiency	Establish baseline waste quantities, with a view to setting reduction target next year	100	Waste baselines for CCGT established, however there was a large amount of extra waste this year due to various capital projects, in particular decomissioning works of old plant	Section Head	Improved Environmental Management Practices
Reduction of emissions to Water	Establish baseline water usage figures, with a view to setting reduction target next year	100	Water tracked carefully in new plant and opportunituies have been identified for large water saving projects in 2016	Section Head	Improved Environmental Management Practices
Additional improvements	Implement staff environmental suggestions system	0	not complete	Section Head	
Additional improvements	Engage third party consultant to conduct an ELRA of CCGT station	100	ELRA process has been started with third party consultant, expected to be complete April 2016	Section Head	Increased compliance with licence conditions
Additional improvements	Complete Firewater Retention Study	100	Completed 2015	Section Head	Increased compliance with licence conditions
Reduction of emissions to Air	Programme for the identification and reduction of future emissions	50	carried over to 2016	Section Head	
Additional improvements	Achieve ISO14001 accreditation	50	HFO plant ISO14001 certification no longer applicable for new CCGT plant. Certification process for new plant has begun and first audits scheduled for April 2015	Section Head	
SELECT		SELECT		SELECT	SELECT

Noise monitoring summary report

Lic No: P0606-03 Year 2015

1	Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below	Yes	Survey detailed below taken while plant was on full load.
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?	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	Construction/Comissioning of CCGT plant completed in April 2015 so there was a significant reduction in noise from site from April onwards.

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)?
11/12/2015	Day	NSL1		48.9	35	39.5	80.6	No	n/a		Yes
11/12/2015	Evening	NSL1		38.4	36.2	39.6	51.5	No	n/a		Yes
11/12/2015	Night	NSL1		38.3	36.9	39.5	50	No	n/a		Yes
11/12/2015	Day	NSL2		46.8	41.7	44.8	72.7	No	n/a		Yes
11/12/2015	Evening	NSL2		45.6	42.1	48.6	63.4	No	n/a		Yes
11/12/2015	Night	NSL2		39.8	37.6	40.6	53.7	No	n/a		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

** 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: P0606-03 Year 2015

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	n/a	
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	Yes	We report monthly figures to SEAI
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	<1%

SEAI - Large Industry Energy Network (LIEN)

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)	5657	18679	330%	
Total Energy Generated (MWHrs)	261302	1281510	490%	
Total Renewable Energy Generated (MWHrs)	0	0	0	
Electricity Consumption (MWHrs)	5657	18679	330%	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	1599	2044	127%	
Light Fuel Oil (m3)	105	11167	10635%	
Natural gas (m3)	23397947	244241797	1043%	
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	82000	215890	263%				
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)	49.855			49.855	
Non-Hazardous (Tonnes)	1.386	0.68		0.706	

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

	1	2	3	4	Station Total
Technology	Heavy Fuel Oil	Heavy Fuel Oil	Heavy Fuel Oil	Combined Cycle Gas Turbine	
Primary Fuel	HFO	HFO	HFO	Natural Gas (primary) Diesel (secondary)	
Thermal Efficiency					
Unit Date of Commission	1967	1967	1967	2014	
Total Starts for year					
Total Running Time	0	0	146	4132	
Total Electricity Generated (GWH)	0	0	6.5	1275	1281.5
House Load (GWH)					
KWH per Litre of Process Water					5.9
KWH per Litre of Total Water used on Site					

Complaints and Incidents summary template

Lic No: P0606-03 Year 2015

Complaints

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

Additional information
A number of complaints were received during commissioning phase of new CCGT plant. The complaints related to noise caused by construction and safety valves, and smell related to commissioning of the CCGT on its backup fuel of diesel which required 2 weeks of semi continuous running. During this period we maintained open communications with local residents and The Agency. Since comissioning finished in April 2015 and the CCGT went commercial we have received no further complaints.

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
05/01/2015	Noise		Abnormal plant noise	Complainant contacted	Complete	Jan-2015	
20/01/2015	Noise		Abnormal plant noise	Complainant contacted	Complete	Jan-2015	
02/03/2015	Odour		Related to diesel comissioning	We met with local residents face to face on a number of occasions, also had phone calls, and submitted data to The Agency relating to diesel emissions	Complete	May-2015	For details on these smell complaints, please refer to EPA RFIs RI003718 and RI003718
31/03/2015	Odour		Related to diesel comissioning	We met with local residents face to face on a number of occasions, also had phone calls, and submitted data to The Agency relating to diesel emissions	Complete	May-2015	For details on these smell complaints, please refer to EPA RFIs RI003718 and RI003718
31/03/2015	Odour		Related to diesel comissioning	We met with local residents face to face on a number of occasions, also had phone calls, and submitted data to The Agency relating to diesel emissions	Complete	May-2015	For details on these smell complaints, please refer to EPA RFIs RI003718 and RI003718
31/03/2015	Odour		Related to diesel comissioning	We met with local residents face to face on a number of occasions, also had phone calls, and submitted data to The Agency relating to diesel emissions	Complete	May-2015	For details on these smell complaints, please refer to EPA RFIs RI003718 and RI003718
16/04/2015	Noise		Loudspeaker testing	Contractor contacted	Complete	May-2015	
16/04/2015	Noise		Loudspeaker testing	Contractor contacted	Complete	May-2015	
	SELECT				SELECT		

Total complaints open at start of reporting year	0
Total new complaints received during reporting year	8
Total complaints closed during reporting year	8
Balance of complaints end of reporting year	0

Incidents

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

Additional information
3 incidents reported in 2015. 2 were later agreed with Agency not to be breaches/incidents.

*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
11/02/2015	Uncontrolled release	SW5	1. Minor	Water	Plant or equipment issues		HFO boilers drained	EPA	New	Originally thought to be possibly oil, later determined to be hot water from boilers	n/a	Complete	11/02/2015	Low
16/04/2015	Breach of ELV	A2-1	1. Minor	Air	Plant or equipment issues		Normal activities	EPA	New	This was later agreed with Agency to be a false high reading caused by interference in the CEMS from unburnt methane	n/a	Complete	20/05/2015	Low
26/06/2015	Breach of ELV	SW2	1. Minor	Water	Plant or equipment issues		Normal activities	EPA	New	Problems with cooling system repaired (CW pump failure)	n/a	Complete	06/07/2015	Low

Total number of incidents current year	3
Total number of incidents previous year	6
% reduction/ increase	50% reduction

WASTE SUMMARY Lic No: P0606-03 Year 2015

SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES #RTR 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)	SELECT	
	If yes please enter details in table 1 below		
2	Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	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	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Cell 8													

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

Was meterological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments

+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9	Is leachate from your site treated in a Waste Water Treatment Plant?	SELECT
10	Is leachate released to surface water? If yes please complete leachate mass load information below	SELECT

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

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

Table 7 Landfill Gas-Landfill only

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

Environmental Protection Agency

Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2015

1. FACILITY IDENTIFICATION

Parent Company Name	SSE Generation Ireland Limited
Facility Name	SSE Generation Ireland Limited (Great Island)
PRTR Identification Number	P0606
Licence Number	P0606-03

Classes of Activity

No.	**class_name**
-	Refer to PRTR class activities below

Address 1	Great Island Generating Station
Address 2	Campile
Address 3	New Ross
Address 4	
	Wexford
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	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	55
User Feedback/Comments	In 2015 the HFO plant ceased production in April and the CCGT went fully commercial and so for this reporting year emissions to air are included for both plants. As per previous years, a number of the old HFO plant surface water emission points could either not be accessed, or there was no flow. The new CCGT monitoring program began in April. Due to commercial operation of CCGT there was consequently a large increase in air pollutants like methane, carbon monoxide, NOX and CO2.
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?	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# : P0606 | Facility Name : SSE Generation Ireland Limited (Great Island) | Filename : P0606_2015.xls | Return Year : 2015 | 22/03/2016 14:53

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs				
POLLUTANT		METHOD					QUANTITY		
			Method Used		HFO	CCGT			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
02	Carbon monoxide (CO)	C	OTH	VGB/Eurelectric	1742.02	7722572.2	7724314.22	0.0	0.0
05	Nitrous oxide (N2O)	C	OTH	VGB/Eurelectric	34.84	155156.36	155191.2	0.0	0.0
03	Carbon dioxide (CO2)	C	ETS		7872350.0	538825250.0	546697600.0	0.0	0.0
06	Ammonia (NH3)	C	OTH	VGB/Eurelectric	0.0	0.0	0.0	0.0	0.0
07	Non-methane volatile organic compounds (NMVOC)	C	OTH	VGB/Eurelectric	69.68	292689.88	292759.56	0.0	0.0
17	Arsenic and compounds (as As)	C	OTH	VGB/Eurelectric	0.23	975.63	975.86	0.0	0.0
18	Cadmium and compounds (as Cd)	C	OTH	VGB/Eurelectric	0.23	975.63	975.86	0.0	0.0
19	Chromium and compounds (as Cr)	C	OTH	VGB/Eurelectric	0.93	3902.53	3903.46	0.0	0.0
20	Copper and compounds (as Cu)	C	OTH	VGB/Eurelectric	0.93	3902.53	3903.46	0.0	0.0
21	Mercury and compounds (as Hg)	C	OTH	VGB/Eurelectric	0.03	146.34	146.37	0.0	0.0
22	Nickel and compounds (as Ni)	C	OTH	VGB/Eurelectric	23.23	97563.29	97586.52	0.0	0.0
23	Lead and compounds (as Pb)	C	OTH	VGB/Eurelectric	2.32	9756.33	9758.65	0.0	0.0
24	Zinc and compounds (as Zn)	C	OTH	VGB/Eurelectric	4.65	19512.66	19517.31	0.0	0.0
01	Methane (CH4)	C	OTH	VGB/Eurelectric	92.91	425498.84	425591.75	0.0	0.0
11	Sulphur oxides (SOx/SO2)	M	ALT	VGB/Eurelectric	0.0	0.0	0.0	0.0	0.0
47	PCDD + PCDF (dioxins + furans)(as Teq)	C	OTH	VGB/Eurelectric	0.00000174	0.00000174	0.00000348	0.0	0.0
62	**Benzene**	C	OTH	VGB/Eurelectric	0.07	346.51	346.58	0.0	0.0
72	Polycyclic aromatic hydrocarbons (PAHs)	C	OTH	VGB/Eurelectric	0.01	34.15	34.16	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	ALT	EN1481	7764.0	298762.0	306526.0	0.0	0.0
86	Particulate matter (PM10)	M	ALT	EN1481	1872.0	1.54	1873.54	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 (Great Island)

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

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		SW2	SW13	SW3A			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
79	**Chlorides (as Cl)**	C	OTH	Usage	15778.0	0.0	0.0	15778.0	0.0	0.0
13	Total phosphorus	C	OTH	Mass Balance	0.0	55.5	0.0081216	55.5081216	0.0	0.0
					0.0	0.0	0.0	0.0	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO 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			SW3A				SW13			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	Emission Point 4	Emission Point 5	Emission Point 6	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
303	BOD	C	OTH	Mass Balance	0.0	0.0691	0.0	0.0	0.0	199.5	199.5691	0.0	0.0
306	COD	C	OTH	Mass Balance	0.0	0.0	0.0	0.0	0.0	772.5	772.5	0.0	0.0
348	Total petroleum hydrocarbons	C	OTH	Mass Balance	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240	Suspended Solids	C	OTH	Mass Balance	0.0	0.3456	0.0	0.0	0.0	375.0	375.3456	0.0	0.0
238	Ammonia (as N)	C	OTH	Mass Balance	0.0	0.00984	0.0	0.0	0.0	16.5	16.50984	0.0	0.0
					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

| PRTR# : P0606 | Facility Name : SSE Generation Ireland Limited (Great Island) | Filename : P0606 22/03/2016 14:53

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	10 01 22	Yes	0.0	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
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	17.72	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 05 07	Yes	0.0	oily water from oil/water separators	R9	E	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
Within the Country	13 07 03	Yes	0.0	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	22.52	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	0.706	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	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	0.54	cloths, protective clothing contaminated by 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	0.0	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		

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 04	Yes	0.0	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
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	0.0	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	0.0	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	0.115	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		

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	20 03 01	No	0.68	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	AES,WO229-01	Kilrane Business Park,,,,Wexford,Ireland		
Within the Country	16 01 07	Yes	0.4	oil filters	R5	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	**20 03 06**	**No**	17.88	waste from sewage cleaning	D8	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland		
Within the Country	20 01 38	No	2.7	wood other than that mentioned in 20 01 37	R12	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland		
Within the Country	20 03 07	No	1.7	bulky waste	R5	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland		

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

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