

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

Please note an interpretation of results is still required. This should be entered in the additional information/comments boxes within the templates. Please size these boxes appropriately to fit your interpretation, if additional space is required please include an appendix to the AER template and merge it as part of the AER PDF document. The excel template should have all cells sized appropriately so that all text is readable before it is converted to PDF document.

Facility Information Summary	
AER Reporting Year	2016
Licence Register Number	P0606-03
Name of site	Great Island Generating Station
Site Location	Campile, New Ross, County Wexford
NACE Code	4010
Class/Classes of Activity	3511
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.	<p>2016 was the first complete year for commercial running at Great Island. The CCGT completed 5939 Hours in 2016 compared to 4132 hours in 2015 Great Island reported four incidents in 2016 1, Breach of CO levels when switchover test to gasoil was requested (05-01-2016) 2, CEMs oxygen levels reading high, causing other parameters to give supurious readings (03-03-2016) 3, Dust meter malfunction (20-08-2016) 4, CEMs Nox and CO malfunction (15-12-2016)</p>

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.

Jonathan Storey	22/03/2017
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

AIR-summary template Lic No: P0606-03 Year 2016

Answer all questions and complete all tables where relevant

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

Yes	Additional information
-----	------------------------

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

AIR-summary template	Lic No:	P0606-03	Year	2016
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 thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	29.996				January
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	3.985				January
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.149				January
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	37.663				January
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	41.847				February
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	4.433				February
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.187				February
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	33.966			Incident INCI009383 Not considered a breach of ELV as station was >70% load	February
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	18.749				March

AIR-summary template		Lic No:		P0606-03		Year		2016	
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	2.974			March
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.105			March
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	21.844			March
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	56.77		37 - EPA Incident INCI009768	April
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	6.294		37 - EPA Incident INCI009768	April
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.229			April
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	29.923		37 - EPA Incident INCI009768	April
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	49.138			May
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	6.222			May
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.174			May
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	25.904			May
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	69.143			June
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	7.392			June
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.227			June
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	20.056			June
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	59.277			July
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	7.135			July

AIR-summary template		Lic No:		P0606-03		Year		2016	
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.199			July
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	27.23			July
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	50.784			August
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	6.83			August
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.21			August
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	36.03			August
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	46.902			September
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	6.273			September
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.177	20 - EPA Incident INCI010726		September
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	28.618			September
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	1.353			October
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.761			October
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0			October
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	6.736			October
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	43.603			November
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	5.492			November
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.209			November

AIR-summary template		Lic No:		P0606-03		Year		2016	
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	32.599			November
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	38.144		136 - EPA Incident INCI011341	December
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	4.102		136 - EPA Incident INCI011341	December
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.258			December
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	62.443		136 - EPA Incident INCI011341	December

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

Table A3: Abatement system bypass reporting table

[Bypass protocol](#)

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

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

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

Solvent use and management on site

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

Table A4: Solvent Management Plan Summary	Solvent regulations Please refer to linked solvent regulations to complete table 5 and 6
Total VOC Emission limit value	

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. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
							Total	

1 Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If **you do not have** licensed emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections

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	Additional information
Yes	

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

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

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

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

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

3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below

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 Assessment of results checklist](#)

No	Additional information
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	25, 3, 3, 2, 2, <1, 7, <1, 39, 2, 9, <1	mg/L	yes	Gravimetric analysis	SELECT	SMEWW2540D		
SW1	Water	Total petroleum hydrocarbons	discrete	Monthly	Monthly	None	N/A	<10, 60, <10, 44, <10, <10, 37, <10	µg/L	yes	Digestion + Spectrophotometry		ASTM D7678		
SW3B	Water	Suspended Solids	discrete	Monthly	Monthly	None	N/A	12, 14, 12, 130, 19, 46, 2, 54, 117, 3, 20, 102	mg/L	yes	Gravimetric analysis		SMEWW2540D		
SW3B	Water	Total petroleum hydrocarbons	discrete	Monthly	Monthly	None	N/A	30, <10, <10, 55, 160, <10, <10, 38, 59, 43, 160, 150	µg/L	yes	Digestion + Spectrophotometry		ASTM D7678		
SW4	Water	Suspended Solids	discrete	Monthly	Monthly	None	N/A	878, 30, 42, 14, 9, <1, 7, 11, 12, 99, NS, 79	mg/L	yes	Gravimetric analysis		SMEWW2540D		NS-No Sample
SW4	Water	Total petroleum hydrocarbons	discrete	Monthly	Monthly	None	N/A	<10, 200, <10, 68, <10, 95, <10, 28, 48, 52, NS, 30	µg/L	yes	Digestion + Spectrophotometry		ASTM D7678		NS-No Sample
SW12	Water	Suspended Solids	discrete	Monthly	Monthly	None	N/A	37, 46, 76, 66, 77, 37, 190, 76, 37, 23, 87, 142	mg/L	yes	Gravimetric analysis		SMEWW2540D		
SW12	Water	Total petroleum hydrocarbons	discrete	Monthly	Monthly	None	N/A	<10, <10, <10, <10, <10, <10, <10, <10, <10, 40, 26, <10, 43	µg/L	yes	Digestion + Spectrophotometry		ASTM D7678		
SW13	Water	BOD	composite	Monthly	Monthly	20	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	3, <2, 5, <2, <2, <2, 7, <2, <2, <2, 4, <2,	mg/L	yes	DO probe		SMEWW5210B		
SW13	Water	COD	composite	Monthly	Monthly	None	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	10, 9, 8, 13, 8, 9, 11, 7, 10, 15, 10, 5	mg/L	yes	Digestion & Colorimetry		TP006		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
						Lic No:	P0606-03	Year						2016
SW13	Water	Total petroleum hydrocarbons	composite	Monthly	Monthly	20000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<10, <10, <10, <10, <10, <10, 55, 140, 48, 78, <10, <10	µg/L	yes	Digestion + Spectrophotometry		ASTM D7678	
SW13	Water	Suspended Solids	composite	Monthly	Monthly	30	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	1, 2, 2, 5, <1, 1, 3, 6, <1, <1, 1, 2	mg/L	yes	Gravimetric analysis		SMEWW2540D	
SW13	Water	Ammonia (as N)	composite	Monthly	Monthly	5	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0.34, 0.76, <0.10, 0.32, <0.10, 0.47, <0.10, 0.52, 0.85, 0.24, <0.08, <0.08	mg/L	yes	Colourimetric		SMEWW4500 10023	
SW13	Water	Phosphorous (as P)	composite	Monthly	Monthly	5	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	1, 0.95, 1.1, 0.95, 1.7, 0.99, 1.5, 0.74, 0.58, 0.47, 1.1, 0.82	mg/L	yes	Digestion & Colorimetry		SMEWW4500PB	
SW13	Water	Toxicity	discrete	Annual	N/A	None	N/A	<2.2	Toxicity unit	yes	30 min EC50 to Vibrio fischeri		INAB accredited test	
ASW-1	Water	Trichloromethane	discrete	Quarterly	N/A	None	N/A	4, 3, <1, <1	µg/L	yes	GC (Gas Chromatography)		First two samples (4 & 3) taken from wrong location communicated to EPA	
SW3A	Water	BOD	discrete	Biannual	N/A	25	All results < 1.2 x ELV	10, <2	mg/L	yes	DO probe		SMEWW5210B	
SW3A	Water	Suspended Solids	discrete	Biannual	N/A	35	All results < 1.2 x ELV	8, 24	mg/L	yes	Gravimetric analysis		SMEWW2540D	
SW3A	Water	Ammonia (as N)	discrete	Biannual	N/A	5	All results < 1.2 x ELV	2, 0.26	mg/L	yes	Colourimetric		SMEWW4500 10023	
SW3A	Water	Phosphorous (as P)	discrete	Biannual	N/A	2	All results < 1.2 x ELV	0.64, 0.43	mg/L	yes	Digestion & Colorimetry		SMEWW4500PB	
SW2	Water	Chlorine	discrete	Weekly	N/A	0.3	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	Average 0.21 Highest 0.29	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	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 5.21	52%		0	First full year of commercial running of CCGT
SW13	Water	pH	6-9	Monthly	No pH value shall deviate from the specified range	pH units	Average pH 8.78	6%			
SW13	Water	Total organic carbon (TOC) (as total C or COD/3)	None	Monthly	N/A	TOC	Average 0.08	-80%			
SW13	Water	Temperature				degrees C	Average 13.4	-53%			
SW3	Water	pH	None	Monthly	N/A	pH units	Average pH 8.53	15%			
SW4	Water	pH	None	Monthly	N/A	pH units	Average pH 8.00	8%			
SW12	Water	pH	None	Monthly	N/A	pH units	Average pH 8.53	14%			
SW1	Water	pH	None	Monthly	N/A	pH units	Average pH 8.10	2%			

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 testing

dropdown menu click to see options

Additional information

Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to **all bunds which failed** the integrity test-**all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)

Yes	
3 years	
Yes	
30	
30	
24	
Yes	
24	
n/a	
n/a	
No	
SELECT	
No	

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

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

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
OBAT10	general purpose concrete/masonry		transformer oil	109,000Litres	120.412m2	Hydraulic test		03/03/2017	Yes	Pass		SELECT		
OBBT10	general purpose concrete/masonry		Aux Transformer oil	8m3	9.157m2	Hydraulic test		03/03/2017	Yes	Pass				
Lube Oil	general purpose concrete/masonry		Lubrication oil	34m3	41.25m3	Hydraulic test		03/03/2017	Yes	Pass				
T101	general purpose concrete/masonry		transformer oil	28386 Litres	51.1m3	Hydraulic test		03/03/2017	Yes	Pass				
T102	general purpose concrete/masonry		transformer oil	28386 Litres	51.1m3	Hydraulic test		03/03/2017	Yes	Pass				
ST101	general purpose concrete/masonry		transformer oil	13820 Litres	41.8m3	Hydraulic test		03-Mar-17	Yes	Fail	Cracks in the concrete	Cracks due for repair April 2017	24/04/2017	

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

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?

[bundings and storage guidelines](#)

Yes	
Yes	
Yes	

- 15 Are channels/transfer systems to remote containment systems tested?
- 17 Are channels/transfer systems compliant in both integrity and available volume?

Pipeline/underground structure testing

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

Yes	
3 years	

2 Please provide integrity testing frequency period

*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 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

2016

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 interpretation 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 Groundwater monitoring template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	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 assessment 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		

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
14/09/2016	MW101	Ammonia	Colourimetric	Annual	15	15	mg/l	<0.02 mg/l	SW EQSs	
14/09/2016	MW101	Arsenic	CP-OES	Annual	12	12	ug/l	0.025 mg/l	SW EQSs	
14/09/2016	MW101	Mineral Oil	GC-MS	Annual	<10	<10	ug/l	0.01 mg/l	SW EQSs	
14/09/2016	MW101	pH	Ion Selective Electrode	Annual	7.9	7.9		6.5-9.5	IGV	
14/09/2016	MW101	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 ug/l	IGV	

Groundwater/Soil monitoring template				Lic No:	P0606-03	Year	2016			
14/09/2016	MW101	TPH	GC-FID	Annual	29	29	mg/l			
14/09/2016	MW101	Vanadium	ICP-OES	Annual	19	19	ug/l			
14/09/2016	MW101	Total Coliforms	Membrane Filtration	Annual	17	17	CFU/100 mls			
14/09/2016	MW102	Ammonia	Colourimetric	Annual	52	52	ug/l	<0.02 mg/l	SW EQSs	
14/09/2016	MW102	Arsenic	CP-OES	Annual	6.9	6.9	ug/l	0.025 mg/l	SW EQSs	
14/09/2016	MW102	Mineral Oil	GC-MS	Annual	<10	<10	ug/l	0.01 mg/l	SW EQSs	
14/09/2016	MW102	pH	Ion Selective Electrode	Annual	7.8	7.8		6.5-9.5	IGV	
14/09/2016	MW102	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 µg/l	IGV	
14/09/2016	MW102	TPH	GC-FID	Annual	40	40	ug/l			
14/09/2016	MW102	Vanadium	ICP-OES	Annual	9.8	9.8	ug/l			
14/09/2016	MW102	Total Coliforms	Membrane Filtration	Annual	41	41	CFU/100 mls			
14/09/2016	MW103	Ammonia	Colourimetric	Annual	17	17	mg/l	<0.02 mg/l	SW EQSs	
14/09/2016	MW103	Arsenic	CP-OES	Annual	30	30	ug/l	0.025 mg/l	SW EQSs	
14/09/2016	MW103	Mineral Oil	GC-MS	Annual	<10	<10	ug/l	0.01 mg/l	SW EQSs	
14/09/2016	MW103	pH	Ion Selective Electrode	Annual	7.8	7.8		6.5-9.5	IGV	
14/09/2016	MW103	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 µg/l	IGV	
14/09/2016	MW103	TPH	GC-FID	Annual	53	53	mg/l			
14/09/2016	MW103	Vanadium	ICP-OES	Annual	32	32	ug/l			
14/09/2016	MW103	Total Coliforms	Membrane Filtration	Annual	>100	>100	CFU/100 mls			
14/09/2016	MW106	Aluminium	GFAAS	Annual	62	62	ug/l	0.2 mg/l	SW EQSs	
14/09/2016	MW106	Ammonia	Colourimetric	Annual	<10	<10	mg/l	<0.02 mg/l	SW EQSs	
14/09/2016	MW106	Arsenic	CP-OES	Annual	0.92	0.92	ug/l	0.025 mg/l	SW EQSs	
14/09/2016	MW106	Mineral Oil	GC-MS	Annual	<10	<10	ug/l	0.01 mg/l	SW EQSs	
14/09/2016	MW106	pH	Ion Selective Electrode	Annual	7.5	7.5		6.5-9.5	IGV	
14/09/2016	MW106	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 µg/l	IGV	
14/09/2016	MW106	TPH	GC-FID	Annual	20	20	mg/l			
14/09/2016	MW106	Vanadium	ICP-OES	Annual	2.3	2.3	ug/l			
14/09/2016	MW106	Total Coliforms	Membrane Filtration	Annual	>100	>100	CFU/100 mls			
14/09/2016	MW200	Aluminium	GFAAS	Annual	17	17	ug/l	0.2 mg/l	SW EQSs	
14/09/2016	MW200	Ammonia	Colourimetric	Annual	0.11	0.11	mg/l	<0.02 mg/l	SW EQSs	
14/09/2016	MW200	Arsenic	CP-OES	Annual	2.7	2.7	ug/l	0.025 mg/l	SW EQSs	
14/09/2016	MW200	Mineral Oil	GC-MS	Annual	20	20	ug/l	0.01 mg/l	SW EQSs	
14/09/2016	MW200	pH	Ion Selective Electrode	Annual	6.7	6.7		6.5-9.5	IGV	
14/09/2016	MW200	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 µg/l	IGV	
14/09/2016	MW200	TPH	GC-FID	Annual	100	100	mg/l			
14/09/2016	MW200	Vanadium	ICP-OES	Annual	2.1	2.1	ug/l			
14/09/2016	MW200	Total Coliforms	Membrane Filtration	Annual	61	61	CFU/100 mls			
14/09/2016	MW202	Aluminium	GFAAS	Annual	200	200	ug/l	0.2 mg/l	SW EQSs	
14/09/2016	MW202	Ammonia	Colourimetric	Annual	1.4	1.4	mg/l	<0.02 mg/l	SW EQSs	
14/09/2016	MW202	Arsenic	CP-OES	Annual	11	11	ug/l	0.025 mg/l	SW EQSs	
14/09/2016	MW202	Mineral Oil	GC-MS	Annual	48	48	ug/l	0.01 mg/l	SW EQSs	
14/09/2016	MW202	pH	Ion Selective Electrode	Annual	8	8		6.5-9.5	IGV	

Groundwater/Soil monitoring template				Lic No:	P0606-03	Year	2016			
14/09/2016	MW202	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 µg/l	IGV	
14/09/2016	MW202	TPH	GC-FID	Annual	180	180	mg/l			
14/09/2016	MW202	Vanadium	ICP-OES	Annual	19	19	ug/l			
14/09/2016	MW202	Total Coliforms	Membrane Filtration	Annual	78	78	CFU/100 mls			
14/09/2016	BH5	Ammonia	Colourimetric	Annual	<0.1	<0.1	mg/l	<0.02 mg/l	SW EQSs	
14/09/2016	BH5	Chromium	GFAAS	Annual	<1	<1	ug/l	0.03 mg/l	SW EQSs	
14/09/2016	BH5	Lead	GFAAS	Annual	1.3	1.3	ug/l	0.01 mg/l	SW EQSs	
14/09/2016	BH5	pH	Ion Selective Electrode	Annual	6.5	6.5		6.5-9.5	IGV	
14/09/2016	BH5	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 µg/l	IGV	
14/09/2016	BH5	TPH	GC-FID	Annual	22	22	mg/l			
14/09/2016	BH5	Vanadium	ICP-OES	Annual	160	160	ug/l			
14/09/2016	BH7	Ammonia	Colourimetric	Annual	<0.10	<0.10	mg/l	<0.02 mg/l	SW EQSs	
14/09/2016	BH7	Chromium	GFAAS	Annual	<1	<1	ug/l	0.03 mg/l	SW EQSs	
14/09/2016	BH7	Lead	GFAAS	Annual	<1	<1	ug/l	0.01 mg/l	SW EQSs	
14/09/2016	BH7	pH	Ion Selective Electrode	Annual	6.4	6.4		6.5-9.5	IGV	
14/09/2016	BH7	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 µg/l	IGV	
14/09/2016	BH7	TPH	GC-FID	Annual	>10	>10	mg/l			
14/09/2016	BH7	Vanadium	ICP-OES	Annual	1.4	1.4	ug/l			
14/09/2016	BH10	Ammonia	Colourimetric	Annual	4.7	4.7	mg/l	<0.02 mg/l	SW EQSs	
14/09/2016	BH10	Chromium	GFAAS	Annual	<1	<1	ug/l	0.03 mg/l	SW EQSs	
14/09/2016	BH10	Lead	GFAAS	Annual	<1	<1	ug/l	0.01 mg/l	SW EQSs	
14/09/2016	BH10	pH	Ion Selective Electrode	Annual	7.1	7.1		6.5-9.5	IGV	
14/09/2016	BH10	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 µg/l	IGV	
14/09/2016	BH10	TPH	GC-FID	Annual	68	68	mg/l			
14/09/2016	BH10	Vanadium	ICP-OES	Annual	1.9	1.9	ug/l			SELECT
<p>*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.</p> <p style="text-align: right;">Groundwater monitoring template</p>										
<p>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)</p> <p style="text-align: right;">Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).</p>										
<p>**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)</p> <p style="text-align: right;"> Surface water EQS Groundwater regulations Drinking water (private supply) standards Drinking water (public supply) standards Interim Guideline Values (IGV) </p>										

Groundwater/Soil monitoring template

Lic No:

P0606-03

Year

2016

Table 3: Soil results

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

Aluminium analysis not done for MW101, MW102 and MW103 due to the sample matrix unsuitable for analysis

Environmental Liabilities template

Lic No:

P0606-03

Year

2016

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

			Commentary
1	ELRA initial agreement status	Submitted and not agreed by EPA;	Submitted through Eden on 17th January 2017, still to be assessed.
2	ELRA review status	SELECT	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€ 800,821	
4	Financial Provision for ELRA status	Required but not submitted	
5	Financial Provision for ELRA - amount of cover	€10million	
6	Financial Provision for ELRA - type	Environmental Impairment Liability insurance	
7	Financial provision for ELRA expiry date	30th April 2017	
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA	Submitted through Eden on 17th January 2017, still to be assessed.
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	Required but not submitted	
11	Financial Provision for Closure - amount of cover	€ 1,321,440	
12	Financial Provision for Closure - type		
13	Financial provision for Closure expiry date		

Environmental Management Programme/Continuous Improvement Programme template

Lic No:

P0606-03

Year

2016

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 certified as of December 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	Ensure Environmental Conditions comply with Environmental Licence requirements Close out any non conformances	Section Head	Increased compliance with licence conditions
Waste reduction/Raw material usage efficiency	Reduce Water usage by 10%	70	Repair passing valves and implement new CW sealing water system	Section Head	Increased compliance with licence conditions
Additional improvements	Achieve ISO14001 accreditation	100	Fully certified as of 12-12-2016	Section Head	Improved Environmental Management Practices
Additional improvements	Fugitive emissions Survey	0	Survey to be planned for 2017	Section Head	Reduced emissions
Waste reduction/Raw material usage efficiency	Setup new waste contract and audit respective waste sites	70	Contract ready to be signed	Section Head	Increased compliance with licence conditions
Additional improvements	Review Environmental Aspects	100	review carried out in June 2016	Section Head	Increased compliance with licence conditions

Environmental Management Programme/Continuous Improvement Programme template				Lic No:	P0606-03	Year	2016
Additional improvements	Colour Coding of Site Drainage	0	To be carried out 2017	Section Head	Increased compliance with licence conditions		

Noise monitoring summary report	Lic No: P0606-03	Year	2016
--	------------------	------	------

- 1 Was noise monitoring a licence requirement for the AER period? Yes
- If yes please fill in table N1 noise summary below
- 2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? 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? No

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 <u>site</u> compliant with noise limits (day/evening/night)?
14/12/2016	13:58	NSL 1		57	35		86	No	n/a		Yes
14/12/2016	14:28	NSL 1		58	34		82	No	n/a		Yes
14/12/2016	14:58	NSL 1		57	38		83	No	n/a		Yes
15/12/2016	00:54	NSL 1		39	33		33	No	n/a		Yes
15/12/2016	01:24	NSL 1		57	34		34	No	n/a		Yes
14/12/2016	16:42	NSL 2		47	42		71	No	n/a		Yes
14/12/2016	17:12	NSL 2		51	42		75	No	n/a		Yes
14/12/2016	17:42	NSL 2		48	41		72	No	n/a		Yes
14/12/2016	23:00	NSL 2		41	38		56	No	n/a		Yes
14/12/2016	23:30	NSL 2		43	38		66	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)

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

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

Additional information

Enter date of audit	
Yes	We report monthly figures to SEAI
Yes	<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)	18679	17970	-103%	
Total Energy Generated (MWHrs)	1281510	2340094	182%	
Total Renewable Energy Generated (MWHrs)	0			
Electricity Consumption (MWHrs)	18679	17970	-103%	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	2044	0		
Light Fuel Oil (m3)	11167	784	-1424%	
Natural gas (m3)	244241797	394978105	162.00%	
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 use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions		Water Consumption	
					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	215890	205520	-105%					
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		2016	
Hazardous (Tonnes)	68.469			14.609	53.86				
Non-Hazardous (Tonnes)	323.32	108.735		134.803	79.78				

Resource Usage/Energy efficiency summary

Lic No:

P0606-03

Year

2016

Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

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

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology	Combined Cycle Gas Turbine				
Primary Fuel	Natural Gas (primary) Diesel (secondary)				
Thermal Efficiency	58% HHV				
Unit Date of Commission	2014				
Total Starts for year	29				
Total Running Time	5939				
Total Electricity Generated (GWH)	2340				
House Load (GWH)	17.97				
KWH per Litre of Process Water	11.38				
KWH per Litre of Total Water used on Site					

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

Yes

One complaint covering the following; 1)
The large quantities of froth and foam on the water in the Estuary which is coming from the cooling water outfall at SSE Great Island especially noticeable early in the morning;
2) Acid and anti-fouling agents are being added or run through cooling water outfall which is affecting shell fish, fish and wildlife in the Estuary;
3) The temperature of the cooling water discharge is also of concern as it seems to be hot water which attracts bass at the expense of other fish;

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
24/07/2016	Water		large quantities of froth on estuary, CW temperature & chemicals added to CW	SSE do not contribute to this foam generation, therefore no further action can be taken to prevent reoccurrence	Complete	25/08/2016	refer to complaint reference no. COM005225
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
Total complaints open at start of reporting year		0					
Total new complaints received during reporting year		1					
Total complaints closed during reporting year		1					
Balance of complaints end of reporting year		0					

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

4 incidents reported in 2016. One of these was a not a breach as the unit was at >70% load

*For information on how to report and what constitutes an incident [What is an incident](#)

Table 2 Incidents summary

Complaints and Incidents summary template													Lic No: P0606-03		Year: 2016	
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 reoccurrence		
05/01/2016	Breach of ELV	Licensed discharge point A2-1	1. Minor	Air	Plant or equipment issues		Normal activities	EPA	New	High CO readings but at >70% load, not considered a breach		Complete	N/A	Low		
03/03/2016	Monitoring equipment offline	Licensed discharge point (A2-1)	1. Minor	Air	Plant or equipment issues		Normal activities	EPA	New	Third party CEMS maintenance contractor called out.	Spare parts ordered and on stock.	Complete	25/03/2016	Low		
20/08/2016	Monitoring equipment offline	Licensed discharge point (A2-1)	1. Minor	Air	Plant or equipment issues		Normal activities	EPA	New	Third party CEMS maintenance contractor called out.	remove and realign the dust meter while the stack is cold	Complete	14/10/2016	Low		
19/12/2016	Monitoring equipment offline	Licensed discharge point (A2-1)	1. Minor	Air	Plant or equipment issues		Normal activities	EPA	New	Third party CEMS maintenance contractor called out.	replacement of the catalyser every 6 months	Complete	22/12/2016	Low		
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT		
Total number of incidents current year	4															
Total number of incidents previous year	3															
% reduction/increase	25% increase															

WASTE SUMMARY	Lic No:	P0606-03	Year	2016
----------------------	---------	----------	------	------

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

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

+. 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?

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

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

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	



[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2016
-----------------------	------

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	Jonathan Storey
AER Returns Contact Email Address	jonathan.storey@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	43
User Feedback/Comments	2016 was the first complete year for commercial running at Great Island. The CCGT completed 5939 Hours in 2016 compared to 4132 hours in 2015
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 : PRTRP0606_2016.xls | Return Year : 2016 |

23/03/2017 08:26

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	CCGT Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
02	Carbon monoxide (CO)	C	OTH	VGB/Eurelectric	671039.51	671039.51	0.0	0.0
05	Nitrous oxide (N2O)	C	OTH	VGB/Eurelectric	14586.93	14586.93	0.0	0.0
03	Carbon dioxide (CO2)	C	ETS		821996410.0	821996410.0	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	20.38	20.38	0.0	0.0
17	Arsenic and compounds (as As)	C	OTH	VGB/Eurelectric	0.7	0.7	0.0	0.0
18	Cadmium and compounds (as Cd)	C	OTH	VGB/Eurelectric	0.7	0.7	0.0	0.0
19	Chromium and compounds (as Cr)	C	OTH	VGB/Eurelectric	0.27	0.27	0.0	0.0
20	Copper and compounds (as Cu)	C	OTH	VGB/Eurelectric	0.27	0.27	0.0	0.0
21	Mercury and compounds (as Hg)	C	OTH	VGB/Eurelectric	0.01	0.01	0.0	0.0
22	Nickel and compounds (as Ni)	C	OTH	VGB/Eurelectric	6.79	6.79	0.0	0.0
23	Lead and compounds (as Pb)	C	OTH	VGB/Eurelectric	0.68	0.68	0.0	0.0
24	Zinc and compounds (as Zn)	C	OTH	VGB/Eurelectric	1.36	1.36	0.0	0.0
01	Methane (CH4)	C	OTH	VGB/Eurelectric	58334.13	58334.13	0.0	0.0
11	Sulphur oxides (SOx/SO2)	M	ALT	EN14181	61892.0	61892.0	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	72.92	72.92	0.0	0.0
72	Polycyclic aromatic hydrocarbons (PAHs)	C	OTH	VGB/Eurelectric	0.005	0.005	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	ALT	EN14181	505706.0	505706.0	0.0	0.0
86	Particulate matter (PM10)	M	ALT	EN14181	2125.0	2125.0	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

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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)

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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				
	T (Total) kg/Year	M/C/E	Method Used 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 (Great Island) | Filename : PRTRP0606_2016.xls | Return Year : 2016 |

23/03/2017 08:26

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		M/C/E	Method Used		QUANTITY					
No. Annex II	Name		Method Code	Designation or Description	SW2	SW13	SW3A	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
79	Chlorides (as Cl)	C	OTH	usage	Emission Point 1	Emission Point 2	Emission Point 3	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
13	Total phosphorus	C	OTH	mass balance	61648.98	0.0	0.0	61648.98	0.0	0.0
					0.0	74.25	0.0184896	74.2684896	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

RELEASES TO WATERS					Please enter all quantities in this section in KGs				
POLLUTANT		M/C/E	Method Used		QUANTITY				
Pollutant No.	Name		Method Code	Designation or Description	SW3A	SW13	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
303	BOD	C	OTH		0.20736	219.0	219.20736	0.0	0.0
306	COD	C	OTH		0.0	718.5	718.5	0.0	0.0
348	Total petroleum hydrocarbons	C	OTH		0.0	2.505	2.505	0.0	0.0
240	Suspended Solids	C	OTH		0.55296	162.0	162.55296	0.0	0.0
238	Ammonia (as N)	C	OTH		0.0390528	24.75	24.7890528	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 : PRTRP

23/03/2017 08:26

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : P0606 | Facility Name : SSE Generation Ireland Limited (Great Island) | Filename : PRTRP0606_2016.xls | Return Year : 2016 |

23/03/2017 08:26

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : P0606 | Facility Name : SSE Generation Ireland Limited (Great Island) | Filename : PRTRP0606_2016.xls | Return Year : 2016 |

23/03/2017 08:26

Please enter all quantities on this sheet in Tonnes

23

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Haz Waste: 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	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	7.4	other engine, gear and lubricating oils	R1	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	0.0	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	Veoil,WO0050-02	Fermoy,,Cork,,Ireland	Veoil,WO0050-02,Fermoy,,Cork,Ireland	Fermoy,,Cork,Ireland
Within the Country	15 01 06	No	2.445	mixed packaging	R3	M	Weighed	Offsite in Ireland	AES,WO229-01	Kilrane Business Park,,Wexford,Ireland		
Within the Country	15 01 10	Yes	0.021	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	0.106	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 01 07	Yes	0.0	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	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 15	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	Veolia,WO0050-02	Fermoy,,Cork,,Ireland	Veolia,WO0050-02,Fermoy,,Cork,Ireland	Fermoy,,Cork,Ireland
Within the Country	16 05 06	Yes	0.315	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	0.06	other batteries and accumulators	R4	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,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	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	Ballymount Industrial Estate,Ballymount Road Lower,Clondalkin,Dublin 22,Ireland	Ballymount Industrial Estate ,Ballymount Road Lower,Clondalkin,Dublin 22,Ireland
Within the Country	17 02 03	No	0.0	plastic	R3	E	Volume Calculation	Offsite in Ireland	Oxigen,W0208-01 clearcircle,NWCP-08-05589-02	Ballysimon Road,,Limerick,,Ireland	Oxigen Environmental ,W0208-01,Ballymount Industrial Estate ,Ballymount Road Lower,Clondalkin,Dublin 22,Ireland	Ballysimon Road,,Limerick,Ireland
Within the Country	17 04 05	No	8.68	iron and steel	R4	E	Weighed	Offsite in Ireland		Ballysimon,,Limerick,Ireland		
Within the Country	17 04 07	No	0.0	mixed metals cables other than those mentioned in 17 04 10	R4	M	Weighed	Offsite in Ireland	Hegarty Metal,WP05-04	Kilrane Business Park,,Wexford,Ireland		
Within the Country	17 04 11	No	0.0	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,,	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 01 38	No	11.64	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 01	No	23.33	mixed municipal waste	D5	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 06	No	59.26	waste from sewage cleaning	R13	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland		
Within the Country	20 03 07	No	113.76	bulky waste absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by	R5	M	Weighed	Offsite in Ireland	Greenstar,W0220-01	Ramstown,Gorey,County Wexford,,Ireland		
Within the Country	15 02 02	Yes	0.106	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 23 containing	R1	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 01 35	Yes	1.385	hazardous components	R5	M	Weighed	Offsite in Ireland	AES,W0229-01	Kilrane Business Park,,Wexford,Ireland	Offaly,Ireland	Cappincur Industrial Estate,Daingean Road,Tulamore,County Offaly,Ireland
Within the Country	06 02 04	Yes	26.34	sodium and potassium hydroxide	D9	M	Weighed	Offsite in Ireland	Shannon Environmental Services Limited,41-1	Smithstown Industrial Estate,Shannon,County Clare,,Ireland	Enva Ireland Ltd. ,WP2008/06,Smithstown Industrial Estate,,Shannon,Clare,Ireland	Smithstown Industrial Estate,,Shannon,Clare,Ireland
Within the Country	06 01 01	Yes	27.74	sulphuric acid and sulphurous acid mixed construction and demolition wastes other than those mentioned in 17 09 01, 17	D9	M	Weighed	Offsite in Ireland	Shannon Environmental Services Limited,41-1	Smithstown Industrial Estate,Shannon,County Clare,,Ireland	Enva Ireland Ltd. ,WP2008/06,Smithstown Industrial Estate,,Shannon,Clare,Ireland	Smithstown Industrial Estate,,Shannon,Clare,Ireland
Within the Country	17 09 04	No	82.9	landfill leachate other than those mentioned in 17 09 02 and 17 09 03	R13	M	Weighed	Offsite in Ireland	Greenstar,W0177-03	6 Crossroads Buisness Park,,Waferford,,Ireland		
Within the Country	19 07 03	No	20.58	in 19 07 02	R13	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,WO184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland		
To Other Countries	17 06 05	Yes	5.1 (18)	construction materials containing asbestos	D1	M	Weighed	Abroad	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Grobenasper Entsorgungsgesellshaft & Co,A60100507,Bimohler Strabe,5724623,Grobenasper ,,Germany	Bimohler Strabe,5724623,Grobenasper ,,Germany

* 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](#)