


Facility Information Summary	
AER Reporting Year	2017
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>The CCGT completed 7444 hours compared to 5939 Hours in 2016.</p> <p>Great Island reported one incident in 2017, on the 19/10/2017 we exceeded our pH ELV on a surface water discharge point (SW13). The water was discharged at 9.9 against the limits of pH 6-9</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		23rd March 2018
Signature		Date
Group/Facility manager		
(or nominated, suitably qualified and experienced deputy)		

AIR-summary template Lic No: P0606-03 Year 2017

Answer all questions and complete all tables where relevant

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

Additional information	
Yes	

Periodic/Non-Continuous Monitoring

2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below

No	
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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	
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Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

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

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

AIR-summary template		Lic No:	P0606-03	Year	2017
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	
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 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	65.1				January
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	1.8				January
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.37				January
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	44.5				January
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	46.9				February
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	2.8				February
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.26				February
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	55.7				February
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	69.4				March
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	1.6				March
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.34				March
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	37.4				March
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	57.6				April

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A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	1.3			April
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.28			April
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	28.3			April
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	33.9			May
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	2.6			May

AIR-summary template				Lic No:	P0606-03	Year	2017
8	A2-1	Particulate matter (PM10)	5 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.18	May
	A2-1	Carbon monoxide (CO)	100 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	20.5	May
	A2-1	Nitrogen oxides (NOx/NO2)	50 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	53.1	June
	A2-1	Sulphur oxides (SOx/SO2)	10 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	7.8	June
	A2-1	Particulate matter (PM10)	5 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.31	June
	A2-1	Carbon monoxide (CO)	100 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	20.2	June
	A2-1	Nitrogen oxides (NOx/NO2)	50 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	54.3	July
	A2-1	Sulphur oxides (SOx/SO2)	10 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	7.8	July
	A2-1	Particulate matter (PM10)	5 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.33	July
	A2-1	Carbon monoxide (CO)	100 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	19.7	July
	A2-1	Nitrogen oxides (NOx/NO2)	50 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	58.7	August
	A2-1	Sulphur oxides (SOx/SO2)	10 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	8.6	August
	A2-1	Particulate matter (PM10)	5 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.39	August
	A2-1	Carbon monoxide (CO)	100 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	24.5	August
	A2-1	Nitrogen oxides (NOx/NO2)	50 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	51.1	September
	A2-1	Sulphur oxides (SOx/SO2)	10 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	8.4	September
	A2-1	Particulate matter (PM10)	5 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.37	September
A2-1	Carbon monoxide (CO)	100 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	24.5	September	
A2-1	Nitrogen oxides (NOx/NO2)	50 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	52.6	October	
A2-1	Sulphur oxides (SOx/SO2)	10 Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	9.3	October	

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A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.43				October
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	46.8				October
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	62.5				November
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	7.9				November
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.37				November
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	31.2				November
A2-1	Nitrogen oxides (NOx/NO2)	50	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	52.8				December
A2-1	Sulphur oxides (SOx/SO2)	10	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	7.8				December
A2-1	Particulate matter (PM10)	5	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	0.41				December
A2-1	Carbon monoxide (CO)	100	Monthly	No validated monthly average value shall exceed the emissions limit value	mg/Nm3	56				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

Solvent use and management on site					
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		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 thereof	Compliance
					SELECT
					SELECT
Table A5: Solvent Mass Balance summary					
(I) Inputs (kg)			(O) Outputs (kg)		

AIR-summary template								Lic No:	P0606-03	Year	2017
Solvent	(I) Inputs (kg)	Organic solvent emission in waste gases(kg)	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-passes (kg)	Solvents destroyed onsite through physical reaction e.g. incineration(kg)	Total emission of Solvent to air (kg)			
									Total		

Dieldrin
Endrin
Ethyl benzene
Ethylene oxide
Fluorine and inorganic compounds (as HF)
Halogenated organic compounds (as AOX)
Halons
Heptachlor
Hexabromobiphenyl
Hexachlorobenzene (HCB)
Hydrochlorofluorocarbons (HCFCs)
Hydro-fluorocarbons (HFCs)
Hydrogen cyanide (HCN)
Lead and compounds (as Pb)
Lindane
Mercury and compounds (as Hg)
Methane (CH₄)
Mirex
Naphthalene
Nickel and compounds (as Ni)
Nitrogen oxides (NO_x/NO₂)
Nitrous oxide (N₂O)
Non-methane volatile organic compounds (NMVOC)
Particulate matter (PM₁₀)
PCDD + PCDF (dioxins + furans)(as Teq)
Pentachlorobenzene
Pentachlorophenol (PCP)
Perfluorocarbons (PFCs)
Phenols (as total C)
Polychlorinated biphenyls (PCBs)
Polycyclic aromatic hydrocarbons (PAHs)
Sulphur hexafluoride (SF₆)
Sulphur oxides (SO_x/SO₂)
Tetrachloroethylene (PER)
Tetrachloromethane (TCM)
Toluene
Toxaphene
Trichlorobenzenes (TCBs)(all isomers)
Trichloroethylene
Trichloromethane
Vinyl chloride
Xylenes
Zinc and compounds (as Zn)

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: P0606-03 Year 2017

		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
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
			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	Yes	Notification No: INCI013184 Discharged from SW13 exceeded our pH limits of 6-9, site discharged water at approximately pH 9.9
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	Yes	External/Internal Lab Quality Assessment of results checklist

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

Emission reference no:	Emission released to	Parameter/ Substance ^{Note 1}	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
SW1	Water	Suspended Solids	discrete	Monthly	Monthly	None	N/A	1, 1, <1, <1, 26, 2, <1, 1, 4, 3, 1, 1,	mg/L	yes	Gravimetric analysis	SELECT	SMEWW2540D		
SW1	Water	Total petroleum hydrocarbons	discrete	Monthly	Monthly	None	N/A	16, 27, 40, <10, 93, 54, <10, <10, <10, 140, <10, <10	µg/L	yes	Digestion + Spectrophotometry		ASTM D7678		
SW3B	Water	Suspended Solids	discrete	Monthly	Monthly	None	N/A	22, 70, 8, 5, 65, 9, 35, 1, 24, 19, <1, 1	mg/L	yes	Gravimetric analysis		SMEWW2540D		
SW3B	Water	Total petroleum hydrocarbons	discrete	Monthly	Monthly	None	N/A	430, 51, 190, 1200, 790, 85, 2300, 140, 890, 790, 430, 200	µg/L	yes	Digestion + Spectrophotometry		ASTM D7678		
SW4	Water	Suspended Solids	discrete	Monthly	Monthly	None	N/A	NS, 18, 6, <1, <1, 9, 10, NS, 1, 4, <1, 1	mg/L	yes	Gravimetric analysis		SMEWW2540D		NS- No Sample

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
		Lic No:		P0606-03		Year		2017						
5	SW4	Water	Total petroleum hydrocarbons	discrete	Monthly	Monthly	None	N/A	NS, 36, 110, 580, 290, 85, <10, NS, <10, 140, <10, <10	µg/L	yes	Digestion + Spectrophotometry	ASTM D7678	NS- No Sample
	SW12	Water	Suspended Solids	discrete	Monthly	Monthly	None	N/A	83, 350, 93, 45, 84, 93, 326, 60, 79, 38, 105, 43	mg/L	yes	Gravimetric analysis	SMEWW2540D	
6	SW12	Water	Total petroleum hydrocarbons	discrete	Monthly	Monthly	None	N/A	<10, 12, <10, <10, 82, 26, 48, <10, <10, <10, <10, <10	µg/L	yes	Digestion + Spectrophotometry	ASTM D7678	
7	SW13	Water	BOD	composite	Monthly	Monthly	20	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	4, 6, 2, 2, <2, 4, 4, <2, <2, <2, <2, 2	mg/L	yes	DO probe	SMEWW5210B	
8	SW13	Water	COD	composite	Monthly	Monthly	None	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	12, 8, 10, 13, 8, 10, 8, 6, 9, 11, 9, 5	mg/L	yes	Digestion & Colorimetry	TP006	
	SW13	Water	Total petroleum hydrocarbons	composite	Monthly	Monthly	20000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<10, 46, 40, <10, 68, 62, <10, <10, <10, <10, <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	6, 2, <1, 1, <1, 4, 6, <1, <1, <1, 2, 1	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	4.2, <0.08, 0.08, <0.08, <0.08, <0.08, <0.08, 0.14, <0.08, 0.1, 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	0.71, 0.74, 0.67, 0.7, 0.4, 0.67, 0.85, 1.1, 0.84, 0.58, 0.86, 0.51	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	<1, <1, <1, NS	µg/L	yes	GC (Gas Chromatography)		NS - Guidance from the EPA is not to sample the estuary due to a crayfish plague.
	SW3A	Water	BOD	discrete	Biannual	N/A	25	All results < 1.2 x ELV	8, 5	mg/L	yes	DO probe	SMEWW5210B	
	SW3A	Water	Suspended Solids	discrete	Biannual	N/A	35	All results < 1.2 x ELV	17, 10	mg/L	yes	Gravimetric analysis	SMEWW2540D	
	SW3A	Water	Ammonia (as N)	discrete	Biannual	N/A	5	All results < 1.2 x ELV	<0.08, 0.36	mg/L	yes	Colourimetric	SMEWW4500 10023	
	SW3A	Water	Phosphorous (as P)	discrete	Biannual	N/A	2	All results < 1.2 x ELV	0.34, <0.05	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 = 0.18mg/l Highest Reading = 0.26mg/l	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 EOS for Surface water or relevant receptor quality standards

Continuous monitoring

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

If yes please summarise your continuous monitoring data below in Table W4 and compare it to Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

Do you have a proactive service contract for each piece of continuous monitoring equipment on Did abatement system bypass occur during the reporting year? If yes please complete table W5

Table W4: Summary of average emissions -continuous monitoring

Additional Information	
Yes	
No	
No	Maintained in house
No	

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	24 hour	No temperature	degrees C	Average DELTA T 5.21 oC	-3.60%			

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)											
Lic No: P0606-03 Year 2017											
SW13	Water	pH	6-9	Monthly	No pH value shall deviate from the specified range	pH units	Average pH 7.78	-11.38%		1	Great Island reported one incident in 2017, on the 19/10/2017 we exceeded our pH ELV on a surface water discharge point (SW13). The water was discharged at 9.9 against the limits of pH 6-9
SW13	Water	Total organic carbon	None	Monthly	N/A	TOC	Average 2.08	96%			
SW13	Water	Temperature				degrees C	Average 17.38oC	22.89%			
SW3	Water	pH	None	Monthly	N/A	pH units	Average 7.64	-11.60%			
SW4	Water	pH	None	Monthly	N/A	pH units	Average 7.17	-11.57%			
SW12	Water	pH	None	Monthly	N/A	pH units	Average 7.51	-13.58%			
SW1	Water	pH	None	Monthly	N/A	pH units	Average 8.25	1.81%			

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

Table W5: Abatement system bypass reporting table

Date	Duration (hours)	Location	Resultant	Reason for	Corrective	Was a report	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)

- 1
- 2 Please provide integrity testing frequency period
- 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)
- 4 How many bunds are on site?
- 5 How many of these bunds have been tested within the required test schedule?
- 6 How many mobile bunds are on site?
- 7 Are the mobile bunds included in the bund test schedule?
- 8 How many of these mobile bunds have been tested within the required test schedule?
- 9 How many sumps on site are included in the integrity test schedule?
- 10 How many of these sumps are integrity tested within the test schedule?

Yes	
3 years	
Yes	
56	Extra mobile bunds bought in 2017
56	
31	
Yes	
31	
N/A	
N/A	
No	
N/A	
No	

- 11 Please list any sump integrity failures in table B1
- 12 Do all sumps and chambers have high level liquid alarms?
- 13 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
- 14 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)
23 mobile bunds	prefabricated		Chemicals/oils	Various	Various	Hydraulic test		06/04/2017	Yes	Pass		SELECT		
6 chemical storage containers	prefabricated		Chemicals	1100litres	1100litres	Hydraulic test		12/07/2017	Yes	Pass				
Fuel Oil	reinforced concrete		Gasoil	530litres	N/A	Hydraulic test		12/07/2017	Yes	Pass		SELECT		

- 15 * Capacity required should comply with 25% or 110% containment rule as detailed in your licence
- 16 Has integrity testing been carried out in accordance with licence requirements and are all structures tested in bunding and storage guidelines
- 17 Are channels/transfer systems to remote containment systems tested?
Are channels/transfer systems compliant in both integrity and available volume?

Commentary

Yes	
Yes	
Yes	

Pipeline/underground structure testing

- 1
 - 2 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
- Please provide integrity testing frequency period
*please note integrity testing means water tightness testing of all underground pipelines (as required under your licence)

Yes	
3 years	

Table B2: Summary details of pipeline/underground structures integrity test

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest (if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

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

		Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes
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 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

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

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
13/09/2017	MW101	Ammonia	Colourimetric	Annual	2.4	2.4	mg/l	<0.02 mg/l	SW EQSs	no
13/09/2017	MW101	Arsenic	CP-OES	Annual	9.9	9.9	ug/l	0.025 mg/l	SW EQSs	no
13/09/2017	MW101	Mineral Oil	GC-MS	Annual	<10	<10	ug/l	0.01 mg/l	SW EQSs	no
13/09/2017	MW101	pH	Ion Selective Electrode	Annual	7.4	7.4	SELECT	6.5-9.5	IGV	no

[Drinking water \(public supply\) standards](#) [Interim Guideline Values \(IGV\)](#)

Groundwater/Soil monitoring template				Lic No:	P0606-03			Year	2017	
13/09/2017	MW101	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 •g/l	IGV	no

Groundwater/Soil monitoring template				Lic No:	P0606-03	Year	2017			
13/09/2017	MW101	TPH	GC-FID	Annual	<10	<10	ug/l			no
13/09/2017	MW101	Vanadium	ICP-OES	Annual	13	13	ug/l			no
13/09/2017	MW101	Total Coliforms	Membrane Filtration	Annual	3	3	SELECT			no
13/09/2017	MW101	Aluminium	GFAAS	Annual	11	11	ug/l	0.2 mg/l	SW EQSs	no
13/09/2017	MW101	Chromium	GFAAS	Annual	1.4	1.4	ug/l	0.03 mg/l	SW EQSs	data not available
13/09/2017	MW101	Lead	GFAAS	Annual	<1	<1	ug/l	0.01 mg/l	SW EQSs	data not available
13/09/2017	MW102	Ammonia	Colourimetric	Annual	5.1	5.1	mg/l	<0.02 mg/l	SW EQSs	no
13/09/2017	MW102	Arsenic	CP-OES	Annual	7.2	7.2	ug/l	0.025 mg/l	SW EQSs	no
13/09/2017	MW102	Mineral Oil	GC-MS	Annual	<10	<10	ug/l	0.01 mg/l	SW EQSs	no
13/09/2017	MW102	pH	Ion Selective Electrode	Annual	7.7	7.7	SELECT	6.5-9.5	IGV	no
13/09/2017	MW102	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 •g/l	IGV	no
13/09/2017	MW102	TPH	GC-FID	Annual	<10	<10	ug/l			no
13/09/2017	MW102	Vanadium	ICP-OES	Annual	15	15	ug/l			no
13/09/2017	MW102	Total Coliforms	Membrane Filtration	Annual	7	7	SELECT			no
13/09/2017	MW102	Aluminium	GFAAS	Annual	<10	<10	ug/l	0.2 mg/l	SW EQSs	no
13/09/2017	MW102	Chromium	GFAAS	Annual	1.5	1.5	ug/l	0.03 mg/l	SW EQSs	data not available
13/09/2017	MW102	Lead	GFAAS	Annual	<1	<1	ug/l	0.01 mg/l	SW EQSs	data not available
13/09/2017	MW103	Ammonia	Colourimetric	Annual	3.8	3.8	mg/l	<0.02 mg/l	SW EQSs	no
13/09/2017	MW103	Arsenic	CP-OES	Annual	27	27	ug/l	0.025 mg/l	SW EQSs	no
13/09/2017	MW103	Mineral Oil	GC-MS	Annual	24	24	ug/l	0.01 mg/l	SW EQSs	no
13/09/2017	MW103	pH	Ion Selective Electrode	Annual	7.7	7.7	SELECT	6.5-9.5	IGV	no
13/09/2017	MW103	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 •g/l	IGV	no
13/09/2017	MW103	TPH	GC-FID	Annual	50	50	ug/l			no
13/09/2017	MW103	Vanadium	ICP-OES	Annual	31	31	ug/l			no
13/09/2017	MW103	Total Coliforms	Membrane Filtration	Annual	>100	>100	SELECT			no
13/09/2017	MW103	Aluminium	GFAAS	Annual	46	46	ug/l	0.2 mg/l	SW EQSs	no
13/09/2017	MW103	Chromium	GFAAS	Annual	5.2	5.2	ug/l	0.03 mg/l	SW EQSs	data not available
13/09/2017	MW103	Lead	GFAAS	Annual	3	3	ug/l	0.01 mg/l	SW EQSs	data not available
13/09/2017	MW106	Aluminium	GFAAS	Annual	41	41	mg/l	0.2 mg/l	SW EQSs	no
13/09/2017	MW106	Ammonia	Colourimetric	Annual	<0.10	<0.10	ug/l	<0.02 mg/l	SW EQSs	no
13/09/2017	MW106	Arsenic	CP-OES	Annual	0.76	0.76	ug/l	0.025 mg/l	SW EQSs	no
13/09/2017	MW106	Mineral Oil	GC-MS	Annual	<10	<10	SELECT	0.01 mg/l	SW EQSs	no
13/09/2017	MW106	pH	Ion Selective Electrode	Annual	7.4	7.4	ug/l	6.5-9.5	IGV	no
13/09/2017	MW106	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 •g/l	IGV	no
13/09/2017	MW106	TPH	GC-FID	Annual	<10	<10	ug/l			no
13/09/2017	MW106	Vanadium	ICP-OES	Annual	3.3	3.3	SELECT			no

Groundwater/Soil monitoring template				Lic No:	P0606-03	Year	2017			
13/09/2017	MW106	Total Coliforms	Membrane Filtration	Annual	>100	>100	ug/l			no
13/09/2017	MW106	Chromium	GFAAS	Annual	<1	<1	ug/l	0.03 mg/l	SW EQSs	data not available
13/09/2017	MW106	Lead	GFAAS	Annual	<1	<1	ug/l	0.01 mg/l	SW EQSs	data not available
13/09/2017	MW200	Aluminium	GFAAS	Annual	<10	<10	mg/l	0.2 mg/l	SW EQSs	no
13/09/2017	MW200	Ammonia	Colourimetric	Annual	<0.10	<0.10	ug/l	<0.02 mg/l	SW EQSs	no
13/09/2017	MW200	Arsenic	CP-OES	Annual	1.1	1.1	ug/l	0.025 mg/l	SW EQSs	no
13/09/2017	MW200	Mineral Oil	GC-MS	Annual	73	73	SELECT	0.01 mg/l	SW EQSs	no
13/09/2017	MW200	pH	Ion Selective Electrode	Annual	7	7	ug/l	6.5-9.5	IGV	no
13/09/2017	MW200	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 •g/l	IGV	no
13/09/2017	MW200	TPH	GC-FID	Annual	270	270	ug/l			no
13/09/2017	MW200	Vanadium	ICP-OES	Annual	3.9	3.9	SELECT			no
13/09/2017	MW200	Total Coliforms	Membrane Filtration	Annual	>100	>100	ug/l			no
13/09/2017	MW200	Chromium	GFAAS	Annual	<1	<1	ug/l	0.03 mg/l	SW EQSs	data not available
13/09/2017	MW200	Lead	GFAAS	Annual	<1	<1	ug/l	0.01 mg/l	SW EQSs	data not available
13/09/2017	MW202	Aluminium	GFAAS	Annual	15	15	mg/l	0.2 mg/l	SW EQSs	no
13/09/2017	MW202	Ammonia	Colourimetric	Annual	<0.10	<0.10	ug/l	<0.02 mg/l	SW EQSs	no
13/09/2017	MW202	Arsenic	CP-OES	Annual	8.2	8.2	ug/l	0.025 mg/l	SW EQSs	no
13/09/2017	MW202	Mineral Oil	GC-MS	Annual	50	50	SELECT	0.01 mg/l	SW EQSs	no
13/09/2017	MW202	pH	Ion Selective Electrode	Annual	7.7	7.7	ug/l	6.5-9.5	IGV	no
13/09/2017	MW202	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 •g/l	IGV	no
13/09/2017	MW202	TPH	GC-FID	Annual	140	140	ug/l			no
13/09/2017	MW202	Vanadium	ICP-OES	Annual	15	15	SELECT			no
13/09/2017	MW202	Total Coliforms	Membrane Filtration	Annual	>100	>100	ug/l			no
13/09/2017	MW200	Chromium	GFAAS	Annual	1.4	1.4	ug/l	0.03 mg/l	SW EQSs	data not available
13/09/2017	MW200	Lead	GFAAS	Annual	1.4	1.4	ug/l	0.01 mg/l	SW EQSs	data not available
13/09/2017	BH5	Ammonia	Colourimetric	Annual	<0.10	<0.10	mg/l	<0.02 mg/l	SW EQSs	no
13/09/2017	BH5	Chromium	GFAAS	Annual	<1	<1	ug/l	0.03 mg/l	SW EQSs	no
13/09/2017	BH5	Lead	GFAAS	Annual	<1	<1	ug/l	0.01 mg/l	SW EQSs	no
13/09/2017	BH5	pH	Ion Selective Electrode	Annual	6.6	6.6	SELECT	6.5-9.5	IGV	no
13/09/2017	BH5	PAH	GC-MS	Annual	<0.04	<0.04	ug/l	0.1 •g/l	IGV	no
13/09/2017	BH5	TPH	GC-FID	Annual	46	46	ug/l			no
13/09/2017	BH5	Vanadium	ICP-OES	Annual	140	140	ug/l			no
13/09/2017	BH5	Aluminium	GFAAS	Annual	83	83	ug/l	0.2 mg/l	SW EQSs	data not available
13/09/2017	BH5	Arsenic	CP-OES	Annual	1.3	1.3	ug/l	0.025 mg/l	SW EQSs	data not available
13/09/2017	BH5	Mineral Oil	GC-MS	Annual	26	26	ug/l	0.01 mg/l	SW EQSs	data not available
13/09/2017	BH7	Ammonia	Colourimetric	Annual	<0.10	<0.10	mg/l	<0.02 mg/l	SW EQSs	no

Groundwater/Soil monitoring template	Lic No:	P0606-03	Year	2017
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Where additional detail is required please enter it here in 200 words or less

Environmental Liabilities template

Lic No:

P0606-03

Year

2017

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

		Commentary	
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	ELRA reviewed in accordance with the new EPA guidance on ELRA and was approved by the EPA in July 2017.	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€ 12,807,830	
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
5	Financial Provision for ELRA - amount of cover	€ 12,807,830	
6	Financial Provision for ELRA - type	Environmental Impairment Liability insurance	
7	Financial provision for ELRA expiry date	31/04/2018	
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	Closure plan reviewed in accordance with the new EPA guidance on closure plans and was submitted to the EPA in July 2017.	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	€ 2,814,026	
12	Financial Provision for Closure - type	Environmental Impairment Liability insurance	
13	Financial provision for Closure expiry date	31/04/2018	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	P0606-03	Year	2017
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 to the 2015 standard as of January 2018		
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
Waste reduction/Raw material usage efficiency	Hydrazine is used to remove dissolved oxygen in boiler water. Seek ways of alternative reduction measures whilst complying with chemistry guidelines.	100	Closely monitor dissolved oxygen levels to eliminate the need to dose with hydrazine.	Section Head	Reduced emissions
Additional improvements	Adhere to all licence conditions 0 non conformances	80	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 3%	100	Reduce blowdown from boiler drums by following chemistry guidelines and instruction	Section Head	Increased compliance with licence conditions
Additional improvements	Achieve ISO14001 2015 Standard	100	Certify EMS	Section Head	Improved Environmental Management Practices
Additional improvements	Fugitive emissions Survey	100	Complete survey	Section Head	Reduced emissions
Waste reduction/Raw material usage efficiency	Set baseline for waste created onsite	100	Once construction is complete set a waste baseline to create reduction targets	Section Head	Reduced emissions
Additional improvements	Environmental Aspects	100	Review Environmental Aspects	Section Head	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Set energy efficiency targets	100	Complete energy efficiency audit	Section Head	Improved Environmental Management Practices
Waste reduction/Raw material usage efficiency	Reduction in raw material usage for boiler and steam chemistry	100	Controlling boiler and steam chemistry to reduce amount of chemicals dosed	Section Head	Reduced emissions

Noise monitoring summary report Lic No: P0606-03 Year: 2017

- 1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below
- 2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? [Noise Guidance note NG4](#)
- 3 Does your site have a noise reduction plan
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

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)?
21/09/2017	08:44		NSL 1	53	36		82	No	SELECT		Yes
21/09/2017	09:14		NSL 1	53	36		79	No			Yes
21/09/2017	09:44		NSL 1	48	35		78	No			Yes
22/09/2017	01:48		NSL 1	36	34		55	No			Yes
22/09/2017	02:18		NSL 1	39	37		55	No			Yes
21/09/2017	14:53		NSL 2	44	39		66	No			Yes
21/09/2017	15:23		NSL 2	42	37		67	No			Yes
21/09/2017	15:53		NSL 2	41	37		61	No			Yes
22/09/2017	23:15		NSL 2	46	35		75	No			Yes
22/09/2017	23:45		NSL 2	37	35		53	No			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?

** please explain the reason for not taking action/resolution of noise issues?

nothing**
Yes
No

Resource Usage/Energy efficiency summary

Lic No:

P0606-03

Year

2017

Additional information

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

Enter date of audit	Dec-2017
Yes	We report monthly figures to SEAI
Yes	<1%

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	17970 (over 5 months)	56981		
Total Energy Generated (MWHrs)	2340094	2755664	15%	
Total Renewable Energy Generated (MWHrs)	0	0	0	
Electricity Consumption (MWHrs)	17970 (over 5 months)	56981		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	0	0	0	
Light Fuel Oil (m3)	784	144	-444%	
Natural gas (m3)	394978105	477255448	17%	
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

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	Unaccounted for Water:
					Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	
Groundwater							
Surface water							
Public supply	205520	198430	-3.60%				
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

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	73.385	0		73.385	
Non-Hazardous (Tonnes)	174.169	8.68		165.489	

Resource Usage/Energy efficiency summary	Lic No: P0606-03	Year	2017
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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
Dec-2017	Recommendation to install sub metering on the site to be able accurately track energy consumption	Install sub metering boards	energy audit		Mar-2018	Electrical engineer	Jan-2018	No tracking various sub metering boards to give baseline energy usage
Dec-2017	develop an opportunities register which would help to track opportunities for improvement in energy efficiency	Once baseline figures are established	energy audit SELECT		Jan-2019	Environmental Team	In progress	In progress

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	24				
Total Running Time	7444				
Total Electricity Generated (GWH)	2755				
House Load (GWH)	56.98				
KWH per Litre of Process Water					
KWH per Litre of Total Water used on Site					

Complaints and Incidents summary template Lic No: P0606-03 Year 2017

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	2

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
26/04/2017	Water		COM006100 - Complaint regarding cooling water quality	Foaming caused by natural breakdown of organics, and can be seen at many beaches in Ireland.	Complete	22/05/2017	EPA have investigated the foam and concluded it is a naturally occurring phenomenon.
28/12/2017	Water		COM007007 - Complaint of excessive foam at the colling water discharge	Foaming caused by natural breakdown of organics, and can be seen at many beaches in Ireland.	Complete	04/01/2018	EPA have investigated the foam and concluded it is a naturally occurring phenomenon.
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
Total complaints open at start of reporting year		0					
Total new complaints received during reporting year		2					
Total complaints closed during reporting year		2					
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	1

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

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
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Complaints and Incidents summary template Lic No: P0606-03 Year 2017

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 <input type="checkbox"/> 2

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
26/04/2017	Water		COM006100 - Complaint regarding cooling water quality	Foaming caused by natural breakdown of organics, and can be seen at many beaches in Ireland.	Complete	22/05/2017	EPA have investigated the foam and concluded it is a naturally occurring phenomenon.
28/12/2017	Water		COM007007 - Complaint of excessive foam at the colling water discharge	Foaming caused by natural breakdown of organics, and can be seen at many beaches in Ireland.	Complete	04/01/2018	EPA have investigated the foam and concluded it is a naturally occurring phenomenon.
					SELECT		
					SELECT		
					SELECT		
Total complaints open at start of reporting year		0					
Total new complaints received during reporting year		2					
Total complaints closed during reporting year		2					
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 <input type="checkbox"/> 1

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

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
--------------------	-----------------	------------------------	---	----------	-------------------	-----------------------------	--	---------------	------------	----------------------------	-------------------------------	-------------------	-----------------	----------------------------

Complaints and Incidents summary template													Lic No: P0606-03		Year: 2017	
19/10/2017	Breach of ELV	Licensed discharge point (SW13)	1. Minor	Water	Plant or equipment issues		Normal activities	EPA	New	Water manually neutralised to within correct parameters	Dosing to the neutralisation basin now automated. Previously done manually.	Complete	10/11/2017	Low		
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT		
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT		
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT		
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT		
Total number of incidents current year	1															
Total number of incidents previous year	4															
% reduction/Increase	-75%															

WASTE SUMMARY	Lic No:	P0606-03	Year	2017
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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?

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	



| PRTR# : P0606 | Facility Name : SSE Generation Ireland Limited (Great Island) |
 Filename : Copy of P0606_2017.xls | Return Year : 2017 |

28/03/2018 12:06

[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2017
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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 & Chemistry 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	
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
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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 : Copy of P0606_2017.xls | Return Year : 2017 |

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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 Used		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
02	Carbon monoxide (CO)	C	OTH	VGB/Eurelectric	409462.0	409462.0	0.0	0.0
05	Nitrous oxide (N2O)	C	OTH	VGB/Eurelectric	17498.14	17498.14	0.0	0.0
03	Carbon dioxide (CO2)	C	ETS	VGB/Eurelectric	980624463.29	980624463.29	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	3.77	3.77	0.0	0.0
17	Arsenic and compounds (as As)	C	OTH	VGB/Eurelectric	0.01	0.01	0.0	0.0
18	Cadmium and compounds (as Cd)	C	OTH	VGB/Eurelectric	0.01	0.01	0.0	0.0
19	Chromium and compounds (as Cr)	C	OTH	VGB/Eurelectric	0.05	0.05	0.0	0.0
20	Copper and compounds (as Cu)	C	OTH	VGB/Eurelectric	0.05	0.05	0.0	0.0
21	Mercury and compounds (as Hg)	C	OTH	VGB/Eurelectric	0.00188	0.00188	0.0	0.0
22	Nickel and compounds (as Ni)	C	OTH	VGB/Eurelectric	1.26	1.26	0.0	0.0
23	Lead and compounds (as Pb)	C	OTH	VGB/Eurelectric	0.13	0.13	0.0	0.0
24	Zinc and compounds (as Zn)	C	OTH	VGB/Eurelectric	0.25	0.25	0.0	0.0
01	Methane (CH4)	C	OTH	VGB/Eurelectric	69990.05	69990.05	0.0	0.0
11	Sulphur oxides (SOx/SO2)	M	ALT	EN14181	67741.0	67741.0	0.0	0.0
47	PCDD + PCDF (dioxins + furans)(as Teq)	C	OTH	VGB/Eurelectric	0.0000174	0.0000174	0.0	0.0
62	Benzene	C	OTH	VGB/Eurelectric	87.48	87.48	0.0	0.0
72	Polycyclic aromatic hydrocarbons (PAHs)	C	OTH	VGB/Eurelectric	0.00044	0.00044	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	M	ALT	EN14181	657889.0	657889.0	0.0	0.0
86	Particulate matter (PM10)	M	ALT	EN14181	4063.0	4063.0	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 Used		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		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 Used		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		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: Please enter summary data on the quantities of methane flared and / or utilised	SSE Generation Ireland Limited (Great Island)				Facility Total Capacity m3 per hour
	T (Total) kg/Year	M/C/E	Method Code	Designation or Description	
Total estimated methane generation (as per site model)	0.0				N/A
Methane flared	0.0				0.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : P0606 | Facility Name : SSE Generation Ireland Limited (Great Island) | Filename : Copy of P0606_2017.xls | Return Year : 2017 |

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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

POLLUTANT		METHOD USED			EMISSION POINTS				QUANTITY	
No. Annex II	Name	M/C/E	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	35780.18	0.0	0.0	35780.18	0.0	0.0
13	Total phosphorus	C	OTH	mass balance	0.0	52.5	0.0069	52.5069	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 USED			EMISSION POINTS				QUANTITY	
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 USED			EMISSION POINTS			QUANTITY	
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	SW3A	SW13	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
303	BOD	C	OTH		0.2264	212.15	212.3764	0.0	0.0
306	COD	C	OTH		0.0	681.0	681.0	0.0	0.0
348	Total petroleum hydrocarbons	C	OTH		0.0	1.845	1.845	0.0	0.0
240	Suspended Solids	C	OTH		0.466	172.5	172.966	0.0	0.0
238	Ammonia (as N)	C	OTH		0.015	32.25	32.265	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 : Copy c

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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 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			
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](#)

| PRTR# : P0606 | Facility Name : SSE Generation Ireland Limited (Great Island) | Filename : Copy of P0606_2017.xls | Return Year : 2017 |

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SECTION A : PRTR POLLUTANTS

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Method Used 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		
Pollutant No.	Name	M/C/E	Method Code	Method Used 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 : Copy of P0606_2017.xls | Return Year : 2017 |

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Please enter all quantities on this sheet in Tonnes

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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		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		Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste : Address of Recover/Disposer		
Within the Country	06 01 01	Yes	1.44	sulphuric acid and sulphurous acid	R5	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 02 04	Yes	0.0	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	10 01 04	Yes	0.708	oil fly ash and boiler dust	D9	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	10.659	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	6.0	oily water from oil/water separators	R13	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	10.7	other emulsions	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	14 06 01	Yes	0.0	chlorofluorocarbons, HCFC, HFC	R13	M	Weighed	Offsite in Ireland	Veolia,WO0050-02	Fermoy,,Cork,,Ireland	Veolia,WO0050-02,Fermoy,,Cork,Ireland	Fermoy,,Cork,Ireland
Within the Country	15 01 06	No	0.0	mixed packaging	R3	M	Weighed	Offsite in Ireland	AES,WO229-01	Kilrane Business Park,,Wexford,Ireland		
Within the Country	15 01 10	Yes	1.897	packaging containing residues of or contaminated by dangerous substances absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	R3	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
Within the Country	15 02 02	Yes	2.282	packaging containing residues of or contaminated by dangerous substances	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

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					
To Other Countries	15 02 02	Yes	0.0	absorbents, filter materials (including oil filters not otherwise specified), wiping 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 01 07	Yes	1.08	oil filters	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	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	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		
Within the Country	16 05 04	Yes	0.01	gases in pressure containers (including halons) containing dangerous substances	R3	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	0.36	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.,WO185-01	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	9.82	wood	R3	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	Ballysimon Road,,Limerick,,Ireland		
Within the Country	17 04 05	No	0.0	iron and steel	R4	E	Weighed	Offsite in Ireland	clearcircle,NWCP-08-05589-02	Ballysimon Road,,Limerick,,Ireland		
Within the Country	17 04 07	No	41.61	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

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	17 06 05	Yes	0.0 (18)	construction materials containing asbestos	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 ,Ballymount Road Lower,Clondalkin,Dublin 22,Ireland	Ballymount Industrial Estate ,Ballymount Road Lower,Clondalkin,Dublin 22,Ireland
To Other Countries	17 06 05	Yes	0.0 (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	Entsorgungsgesellschaft & Co,A60100507,Bimohler Strabe,5724623,Grobenasper ,Germany	Bimohler Strabe,5724623,Grobenasper ,Germany
Within the Country	17 09 04	No	0.0 (17 09 01, 17 09 02 and 17 09 03)	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R13	M	Weighed	Offsite in Ireland	Greenstar,W0177-03	6 Crossroads Buisness Park,,Waterford,,Ireland		
Within the Country	19 07 03	No	0.0 (19 07 02)	landfill leachate other than those mentioned in 19 07 02	R13	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,W0184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland		
Within the Country	20 01 01	No	0.0	paper and cardboard	R5	M	Weighed	Offsite in Ireland	AES,W0229-01	Kilrane Business Park,,Wexford,Ireland		
Within the Country	20 01 02	No	0.0	glass	R5	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,W0184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland		
Within the Country	20 01 21	Yes	0.07	fluorescent tubes and other mercury-containing waste	R13	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,W0184-1	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 35	Yes	1.058	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 23 containing hazardous components	R13	M	Weighed	Offsite in Ireland	AES,W0229-01	Kilrane Business Park,,Wexford,Ireland	KMK ,W0113-04,Cappincur Industrial Estate,Daingean Road,Tulamore,County Offaly,Ireland	Cappincur Industrial Estate,Daingean Road,Tulamore,County Offaly,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,W0229-01	Kilrane Business Park,,Wexford,Ireland		
Within the Country	20 01 38	No	0.0	wood other than that mentioned in 20 01 37	R12	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,W0184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland		
Within the Country	20 03 01	No	8.68	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	AES,W0229-01	Kilrane Business Park,,Wexford,Ireland		
Within the Country	20 03 06	No	0.0	waste from sewage cleaning	R13	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,W0184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland		
Within the Country	20 03 07	No	4.979	bulky waste	R3	M	Weighed	Offsite in Ireland	Greenstar,W0220-01	Ramstown,Gorey,County Wexford,,Ireland		
Within the Country	20 03 04	No	108.0	septic tank sludge	R3	M	Weighed	Offsite in Ireland	Wexford Wastewater Treatment Plant,D0030-01	strandfield,Drinagh,Wexford ,Ireland		
Within the Country	13 02 05	Yes	2.953	mineral-based non-chlorinated engine, gear and lubricating oils	R9	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,W0184-1	Clonminam Ind. Est.,,Portlaois,Laois,Ireland	ENVA Ireland Ltd.,W0184-1,Clonminam Ind. Est.,,Portlaois,Laois,Ireland	Clonminam Ind. Est.,,Portlaois,Laois,Ireland
Within the Country	16 10 01	Yes	12.84	aqueous liquid wastes containing dangerous substances	D9	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,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 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 08	Yes	2.299	discarded organic chemicals consisting of or containing dangerous substances	R1	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Rilta Environmental Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland
Within the Country	16 05 07	Yes	3.467	discarded inorganic chemicals consisting of or containing dangerous substances	R5	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Rilta Environmental Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland
Within the Country	06 01 04	Yes	0.025	phosphoric and phosphorous acid	R5	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Rilta Environmental Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland
Within the Country	06 04 04	Yes	0.008	wastes containing mercury	R4	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Rilta Environmental Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Woodstock industrial Estate,Athy,County Kildare,,Ireland
Within the Country	20 01 27	Yes	1.49	paint, inks, adhesives and resins containing dangerous substances	R1	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Rilta Environmental Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland
Within the Country	06 01 06	Yes	0.342	other acids	R5	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Rilta Environmental Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland
Within the Country	06 02 05	Yes	0.565	other bases	R5	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Rilta Environmental Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland
Within the Country	13 05 01	Yes	2.1	solids from grit chambers and oil/water separators	D9	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Rilta Environmental Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland
Within the Country	16 02 15	Yes	0.165	hazardous components removed from discarded equipment	R4	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Rilta Environmental Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland
Within the Country	08 01 11	Yes	0.04	waste paint and varnish containing organic solvents or other dangerous substances	R1	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Rilta Environmental Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland
Within the Country	08 03 99	No	0.084	wastes not otherwise specified	R13	M	Weighed	Offsite in Ireland	Greenstar,W0177-03	6 Crossroads Buisness Park,,Waferford,,Ireland	Rilta Environmental Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland
Within the Country	06 01 02	Yes	1.2	hydrochloric acid	R5	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd.,W0185-01	Block 402 Grants Drive ,Greenogue Business Park ,Rathcoole ,Co. Dublin,Ireland	Rilta Environmental Ltd,W0185-01,Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,Ireland	Block 402 Grant Drive ,Greenogue Business Park,Rathcoole ,Dublin,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	13 07 01	Yes	10.62	fuel oil and diesel	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	13 02 08	Yes	0.0		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

* 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](#)