

Facility Information Summary	
AER Reporting Year	2013
Licence Register Number	P0694-01
Name of site	Rhode Generating Station
Site Location	Coolcor, Rhode, Co. Offaly.
NACE Code	3511
Class/Classes of Activity	Production and supply of electricity
National Grid Reference (6E, 6 N)	121266 E, 372497 N
<p>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 <u>listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.</u></p>	<p>The Rhode PCP is located in County Offaly, approximately 1 mile north of Rhode village on the eastern edge of the Derragreenagh bog. The surrounding catchment area is the Yellow River. It uses gasoil as fuel for electricity generation. There are two electricity generating units, each having a capacity of 52 MW. The plant has a total generating capacity of 104 MW. Each generator is driven by two gas turbine engines, manufactured by Pratt and Whitney. Demineralised water injection is used for NOx suppression. This equipment is suitable for peaking capacity supply to the electricity grid as it starts very quickly and can produce 104 MW of electricity in about eight minutes (full load mode). During 2013, there was a further reduction in overall running hours for the station. The total overall running hours for 2013 was 17.45 hrs, which was down 35% on 2012 hours. A further trend of decrease for the stations total running hours is predicted for the coming years. This is attributable to a lower demand from the National Grid. Emissions to atmosphere (CO₂, NO_x & SO_x) were lower than previous years. Demineralised water and gas oil consumed in 2013 was also lower.</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.

Caroline O'Connell	31/03/2014
Signature	Date
Environmental Co-ordinator	
(or nominated, suitably qualified and experienced deputy)	

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Answer all questions and complete all tables where relevant

Additional information	
1 Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If you do not have licenced emissions and do not complete a solvent management plan (table A4 and A5) you <u>do not</u> need to complete the tables	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
3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? Basic air monitoring checklist AGN2	Yes

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
A1	Nitrogen oxides (NOx/NO2)	Annually	120	SELECT	112.6	mg/Nm3	yes	EN 14792:2005		
	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

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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	Nox monitoring equipment error on 22/03/2013
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
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	102		0	0	22/03/2013
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	111		0	0	17/08/2013
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	112		0	0	30/09/2013
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	120		0	0	09/11/2013
A1	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	136		0	0	19/12/2013
A1	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	155892		0	0	22/03/2013
A1	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	185576		0	0	17/08/2013
A1	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	194586		0	0	30/09/2013
A1	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	262024		0	0	09/11/2013
A1	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	125370		0	0	19/12/2013
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	105		0	0	22/03/2013
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	77		0	0	17/08/2013
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	74		0	0	30/09/2013
A2	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	109		0	0	09/11/2013
A2	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	186653		0	0	22/03/2013
A2	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	187163		0	0	17/08/2013
A2	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	199955		0	0	30/09/2013
A2	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	225509		0	0	09/11/2013
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	Error		3 hours Nox monitoring equipment error	0	22/03/2013
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	124		0	1	17/08/2013
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	121		0	1	30/09/2013
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	87		0	0	31/10/2013
A3	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	114		0	0	19/12/2013
A3	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	137006		0	0	22/03/2013
A3	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	174857		0	0	17/08/2013
A3	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	256668		0	0	30/09/2013

AIR-summary template					Lic No:	P0694-01	Year	2013		
A3	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	163126		0	0	31/10/2013
A3	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	241472		0	0	19/12/2013
		120	Daily						0	
A4	Nitrogen oxides (NOx/NO2)			Daily average < ELV	mg/Nm3	Error		3 hours Nox monitoring equipment error		22/03/2013
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	81		0	0	17/08/2013
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	113		0	0	30/09/2013
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	68		0	0	31/10/2013
A4	Nitrogen oxides (NOx/NO2)	120	Daily	Daily average < ELV	mg/Nm3	112		0	0	19/12/2013
A4	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	166276		0	0	22/03/2013
A4	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	163759		0	0	17/08/2013
A4	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	254282		0	0	30/09/2013
A4	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	140323		0	0	31/10/2013
A4	volumetric flow	314500	Hourly	All 1-hour averages < ELV	Nm3/hour	275635		0	0	19/12/2013
	SELECT				SELECT					

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

Table A3: Abatement system bypass reporting table

[Bypass protocol](#)

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

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

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

AIR-summary template		Lic No:	P0694-01	Year	2013			
Solvent use and management on site								
8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5				<div style="border: 1px solid black; padding: 5px; display: inline-block;">No</div>				
Table A4: Solvent Management Plan Summary Total VOC Emission limit value			Solvent regulations Please refer to linked solvent regulations to complete table 5 and 6					
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision thereof	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								

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)			Lic No: P0694-01	Year 2013
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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

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

Additional information
Yes
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)

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

Yes
Yes

Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box

[External/Internal Lab Quality checklist](#) [Assessment of results checklist](#)

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

Emission reference no:	Emission released to	Parameter/ SubstancesNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof	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
S2	Water	pH	discrete	Monthly	Monthly	8.87	No pH value shall deviate from	8.5	pH units	yes	pH Meter (Electrode)	APHA / AWWA			09/01/13
S2	Water	pH	discrete	Monthly	Monthly	8.87	No pH value shall deviate from	8.0	pH units	yes	pH Meter (Electrode)	APHA / AWWA			04/02/13
S2	Water	pH	discrete	Monthly	Monthly	8.87	No pH value shall deviate from	7.7	pH units	yes	pH Meter (Electrode)	APHA / AWWA			04/03/13
S2	Water	pH	discrete	Monthly	Monthly	8.87	No pH value shall deviate from	7.8	pH units	yes	pH Meter (Electrode)	APHA / AWWA			02/04/13
S2	Water	pH	discrete	Monthly	Monthly	8.87	No pH value shall deviate from	7.1	pH units	yes	pH Meter (Electrode)	APHA / AWWA			07/05/13
S2	Water	pH	discrete	Monthly	Monthly	8.87	No pH value shall deviate from	7.8	pH units	yes	pH Meter (Electrode)	APHA / AWWA			05/06/13
S2	Water	pH	discrete	Monthly	Monthly	8.87	No pH value shall deviate from	7.8	pH units	yes	pH Meter (Electrode)	APHA / AWWA			01/07/13
S2	Water	pH	discrete	Monthly	Monthly	8.87	No pH value shall deviate from	7.6	pH units	yes	pH Meter (Electrode)	APHA / AWWA			06/08/13
S2	Water	pH	discrete	Monthly	Monthly	8.87	No pH value shall deviate from	7.8	pH units	yes	pH Meter (Electrode)	APHA / AWWA			02/09/13
S2	Water	pH	discrete	Monthly	Monthly	8.87	No pH value shall deviate from	7.7	pH units	yes	pH Meter (Electrode)	APHA / AWWA			30/09/13
S2	Water	pH	discrete	Monthly	Monthly	8.87	No pH value shall deviate from	8.6	pH units	yes	pH Meter (Electrode)	APHA / AWWA			04/11/13
S2	Water	pH	discrete	Monthly	Monthly	8.87	No pH value shall deviate from	8.1	pH units	yes	pH Meter (Electrode)	APHA / AWWA			02/12/13
S2	Water	COD	discrete	Monthly	Monthly	51.71	All results < 1.2 x ELV	<10	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA			09/01/13
S2	Water	COD	discrete	Monthly	Monthly	51.71	All results < 1.2 x ELV	<10	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA			04/02/13
S2	Water	COD	discrete	Monthly	Monthly	51.71	All results < 1.2 x ELV	14.0	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA			04/03/13
S2	Water	COD	discrete	Monthly	Monthly	51.71	All results < 1.2 x ELV	30.0	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA			02/04/13
S2	Water	COD	discrete	Monthly	Monthly	51.71	All results < 1.2 x ELV	28.0	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA			07/05/13
S2	Water	COD	discrete	Monthly	Monthly	51.71	All results < 1.2 x ELV	35.0	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA			05/06/13
S2	Water	COD	discrete	Monthly	Monthly	51.71	All results < 1.2 x ELV	18.0	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA			01/07/13
S2	Water	COD	discrete	Monthly	Monthly	51.71	All results < 1.2 x ELV	34.0	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA			06/08/13
S2	Water	COD	discrete	Monthly	Monthly	51.71	All results < 1.2 x ELV	36.0	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA			02/09/13
S2	Water	COD	discrete	Monthly	Monthly	51.71	All results < 1.2 x ELV	26.0	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA			30/09/13
S2	Water	COD	discrete	Monthly	Monthly	51.71	All results < 1.2 x ELV	20.0	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA			04/11/13
S2	Water	COD	discrete	Monthly	Monthly	51.71	All results < 1.2 x ELV	30.0	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA			02/12/13
S2	Water	BOD	discrete	Monthly	Monthly	4.99	All results < 1.2 x ELV	<2	mg/L	yes	Dissolved Oxygen Meter (Electrode)	APHA / AWWA			09/01/13
S2	Water	BOD	discrete	Monthly	Monthly	4.99	All results < 1.2 x ELV	2.0	mg/L	yes	Dissolved Oxygen Meter (Electrode)	APHA / AWWA			04/02/13
S2	Water	BOD	discrete	Monthly	Monthly	4.99	All results < 1.2 x ELV	<2	mg/L	yes	Dissolved Oxygen Meter (Electrode)	APHA / AWWA			04/03/13
S2	Water	BOD	discrete	Monthly	Monthly	4.99	All results < 1.2 x ELV	<2	mg/L	yes	Dissolved Oxygen Meter (Electrode)	APHA / AWWA			02/04/13
S2	Water	BOD	discrete	Monthly	Monthly	4.99	All results < 1.2 x ELV	3.0	mg/L	yes	Dissolved Oxygen Meter (Electrode)	APHA / AWWA			07/05/13

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

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

Yes

No demineralisation water was produced during 2013 therefore, no neutralised effluent was created.

If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

6Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

SELECT

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

SELECT

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

SELECT

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
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

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

Table W5: Abatement system bypass reporting table

Date	Duration (hours)	Location	Resultant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?
						SELECT	

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template	Lic No:	P0694-01	Year	2013	
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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	Please provide integrity testing frequency period	<table border="1"> <tr><td>Yes</td><td></td></tr> <tr><td>3 years</td><td></td></tr> </table>	Yes		3 years	
Yes						
3 years						
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)	<table border="1"> <tr><td>Yes</td><td></td></tr> <tr><td>15</td><td></td></tr> </table>	Yes		15	
Yes						
15						
3	How many bunds are on site?	<table border="1"> <tr><td>15</td><td></td></tr> <tr><td>2</td><td></td></tr> </table>	15		2	
15						
2						
4	How many of these bunds have been tested within the required test schedule?	<table border="1"> <tr><td>Yes</td><td></td></tr> <tr><td>2</td><td></td></tr> </table>	Yes		2	
Yes						
2						
5	How many mobile bunds are on site?	<table border="1"> <tr><td>0</td><td></td></tr> <tr><td>0</td><td></td></tr> </table>	0		0	
0						
0						
6	Are the mobile bunds included in the bund test schedule?	<table border="1"> <tr><td>No</td><td></td></tr> <tr><td>N/A</td><td></td></tr> </table>	No		N/A	
No						
N/A						
7	How many of these mobile bunds have been tested within the required test schedule?	<table border="1"> <tr><td>N/A</td><td></td></tr> <tr><td>N/A</td><td></td></tr> </table>	N/A		N/A	
N/A						
N/A						
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)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

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

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in

15 line with BS8007/EPA Guidance?

16 Are channels/transfer systems to remote containment systems tested?

17 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
Yes	
No	
SELECT	

Pipeline/underground structure testing	
Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc? If yes please fill out table 2 below listing all underground structures and pipelines on site which failed the integrity test and all which have not been tested within the integrity test period as specified	
1	Please provide integrity testing frequency period
2	*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

Table B2: Summary details of pipeline/underground structures integrity test											
Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
Section 7	Storm	other(please specify) Flexi	No	N/A	CCTV	Yes	Fail	Pipe broken in sections	To be reviewed during 2014	2016	SELECT
Section 10	Foul	pvc	No	N/A	CCTV	Yes	Fail	Pipe deformed, no leaks detected.	To be reviewed during 2014	2016	
Section 11	Foul	pvc	No	N/A	CCTV	Yes	Fail	Dips in pipework but no leaks detected.	To be reviewed during 2014	2016	
Section 18	Storm	pvc	No	N/A	CCTV	Yes	Fail	Hole in pipe	To be reviewed during 2014	2016	

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

Groundwater/Soil monitoring template	Lic No:	P0694-01	Year	2013
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		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	yes
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.		Use as raw water source for demineralisation water treatment plant 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
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.	SELECT
5	Is the contamination related to operations at the facility (either current and/or historic)	no
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	no
7	Please specify the proposed time frame for the remediation strategy	N/A
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 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
07/05/13					12	12				
02/09/13	BH1	Chloride	Ion chromatography	Bi-annual			mg/l	24-187.5		SELECT
07/05/13					0.11	0.11				
02/09/13	BH1	Fluoride	Ion chromatography	Bi-annual			mg/l			
07/05/13					<0.16	<0.16				
02/09/13	BH1	Ortho-phosphate	Ion chromatography	Bi-annual			mg/l			

Groundwater/Soil monitoring template					Lic No:	P0694-01	Year	2013
07/05/13					0.05	0.045		
02/09/13	BH1	Nitrate	Ion chromatography	Bi-annual			mg/l	37.5
07/05/13					<0.03	<0.03		
02/09/13	BH1	Nitrite	Spectrophotometry	Bi-annual			mg/l	0.375
07/05/13					7.4	7.35		
02/09/13	BH1	pH	pH meter	Bi-annual			mg/l	
07/05/13					110	109		
02/09/13	BH1	Calcium	Spectrophotometry	Bi-annual			mg/l	
07/05/13					1.6	1.5		
02/09/13	BH1	Potassium	Spectrophotometry	Bi-annual			mg/l	
07/05/13					39	36.5		
02/09/13	BH1	Magnesium	Spectrophotometry	Bi-annual			mg/l	
07/05/13					8.9	8.1		
02/09/13	BH1	Sodium	Spectrophotometry	Bi-annual			mg/l	
07/05/13					<10	<10		
02/09/13	BH1	DRO	GC-MS	Bi-annual			ug/l	
07/05/13					<10	<10		
02/09/13	BH1	Mineral Oil	GC-MS	Bi-annual			ug/l	
07/05/13					14	14		
02/09/13	BH2	Chloride	Ion chromatography	Bi-annual			mg/l	24-187.5
07/05/13					0.13	0.13		
02/09/13	BH2	Fluoride	Ion chromatography	Bi-annual			mg/l	
07/05/13					<0.16	<0.16		
02/09/13	BH2	Ortho-phosphate	Ion chromatography	Bi-annual			mg/l	
07/05/13					0.08	0.065		
02/09/13	BH2	Nitrate	Ion chromatography	Bi-annual			mg/l	37.5
07/05/13					<0.03	<0.03		
02/09/13	BH2	Nitrite	Spectrophotometry	Bi-annual			mg/l	0.375
07/05/13					7.3	7.3		
02/09/13	BH2	pH	pH meter	Bi-annual			mg/l	
07/05/13					107	54.4		
02/09/13	BH2	Calcium	Spectrophotometry	Bi-annual			mg/l	
07/05/13					1.4	1.4		
02/09/13	BH2	Potassium	Spectrophotometry	Bi-annual			mg/l	
07/05/13					40	39		
02/09/13	BH2	Magnesium	Spectrophotometry	Bi-annual			mg/l	
07/05/13					9.4	9.2		
02/09/13	BH2	Sodium	Spectrophotometry	Bi-annual			mg/l	
07/05/13					<10	<10		
02/09/13	BH2	DRO	GC-MS	Bi-annual			ug/l	
07/05/13					<10	<10		
02/09/13	BH2	Mineral Oil	GC-MS	Bi-annual			ug/l	
							SELECT	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 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 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 align="right"> Groundwater regulations Drinking water (private supply) standards Drinking water (public supply) standards Interim Guideline Values (IGV) </p>								

Groundwater/Soil monitoring template			Lic No:	P0694-01	Year	2013
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Table 3: Soil results

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

Where additional detail is required please enter it here in 200 words or less

Environmental Liabilities template	Lic No:	P0694-01	Year	2013
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[Click here to access EPA guidance on Environmental Liabilities and Financial provision](#)

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€78,000	
4	Financial Provision for ELRA status	Required but not submitted	
5	Financial Provision for ELRA - amount of cover	€78,000	
6	Financial Provision for ELRA - type	Public Liability Insurance with Environmental Impairment Liability cover	
7	Financial provision for ELRA expiry date	None	
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and completed	
10	Financial Provision for Closure status	Required but not submitted	
11	Financial Provision for Closure - amount of cover	€1,260,000	
12	Financial Provision for Closure - type	Other please specify dismantling provision in annual accounts	
13	Financial provision for Closure expiry date	None	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	P0694-01	Year	2013
Highlighted cells contain dropdown menu click to view		Additional Information			
1	Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	Yes			
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes			
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes			
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes			

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Materials Handling/Storage/Bunding	Fuel tank leak prevention	50	Locks installed. Safety Shut off valves not installed. Leak detection system to be installed instead during 2014.	Individual	Improved Environmental Management Practices
Additional improvements	Investigate implementing the PEMS system for air emission monitoring	100	PEMs data to date sent to Agency in June. Currently, not enough data to justify migrating to PEMs	Individual	Increased compliance with licence conditions
Additional improvements	ISO 14001 Compliance	100	No major non conformances during external audit	Individual	Improved Environmental Management Practices
Materials Handling/Storage/Bunding	Bund inspection programme 2013	100	All bunds tested in July and passed	Individual	Improved Environmental Management Practices
Waste reduction/Raw material usage efficiency	Visit Waste Contractor site to determine compliance	0	Date for another visit to Enva premises to be agreed.	Individual	Improved Environmental Management Practices
Reduction of emissions to Water	Diesel Generator Bund drainage to SW interceptor	100	Complete	Individual	Reduced emissions
Materials Handling/Storage/Bunding	Gas oil (GO) Filtration to prevent corrosion of tanks	100	Complete	Individual	Improved Environmental Management Practices
Additional improvements	Conduct a process hazard review (PHR) for all processes on-site	100	PHR has been completed. High environmental actions identified to be completed in 2014/2015.	Individual	Improved Environmental Management Practices
Additional improvements	SDS project to ensure REACH compliance.	100	Complete however US products are not REACH compliant	Individual	Reduced emissions
Additional improvements	Implementation of computer maintenance management system MAXIMO	100	Successfully implemented in April	Individual	Improved Environmental Management Practices

Noise monitoring summary report	Lic No: P0694-01	Year	2013
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1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below

2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?

3 Does your site have a noise reduction plan

4 When was the noise reduction plan last updated?

5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

No

SELECT

SELECT

Enter date

SELECT

[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)?
								SELECT	SELECT		SELECT

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

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

SELECT

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

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No:

P0694-01

Year

2013

Additional information

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- 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
- 2 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage
- 3 in additional information

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

No	
Yes	0.0009

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)				
Total Energy Generated (MWHrs)	830	376	-55%	
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)				
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	225.6 tonnes	118.15 tonnes	-48%	
Natural gas (m3)				
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		percentage increase or decrease compared to previous year			Water Emissions	Water Consumption	
			Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	
Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.					Unaccounted for Water:
Groundwater		56					
Surface water							
Public supply		129					
Recycled water							
Total		185					

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

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

Table R3 Waste Stream Summary					
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	18.7		0.24	18.46	
Non-Hazardous (Tonnes)	0.92	0.35		0.57	

Resource Usage/Energy efficiency summary	Lic No:	P0694-01	Year	2013
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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
			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	Gas Turbine	Gas Turbine			
Primary Fuel	LFO	LFO			
Thermal Efficiency					
Unit Date of Commission					
Total Starts for year	26	24			50
Total Running Time	08:10:00	09:17:00			17:27:00
Total Electricity Generated (GWH)	0.13	0.25			0.38
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used on Site					2.03

Complaints and Incidents summary template	Lic No:	P0694-01	Year	2013
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Complaints		Additional information	
Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below		No	

Table 1 Complaints summary							
Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
Total complaints open at start of reporting year							
Total new complaints received during reporting year							
Total complaints closed during reporting year							
Balance of complaints end of reporting year							

Incidents		Additional information	
Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below		Yes	
*For information on how to report and what constitutes an incident	What is an incident		

Table 2 Incidents summary														
Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurrence
22/03/2013	Monitoring equipment offline	Licensed discharge point (type in reference here)	1. Minor	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	New	Maintenance contractor called to investigate malfunction	CEMs calibration and service carried out. All components on analyser passed calibration checks. All systems reported as fully operational.	Complete	25/03/2013	Low
17/08/2013	Breach of ELV	Licensed discharge point (type in reference here)	1. Minor	Air	Plant or equipment issues		Routine maintenance	EPA	New	Engine was brought off load when higher emissions were identified.	The possibility of running the units for a longer period during the monthly testing was identified.	Complete		Low
30/09/2013	Breach of ELV	Licensed discharge point (type in reference here)	1. Minor	Air	Plant or equipment issues		Normal activities	EPA	New	Maintenance contractor was called on site to investigate	There is a possibility that excess lube oil is being burned in the unit, causing excess NOx emissions. Stand alone lube oil tests will now only operate during engine operation.	Complete		Low
15/10/2013	Monitoring equipment offline	Licensed discharge point (type in reference here)	1. Minor	Air	Plant or equipment issues		Normal activities	EPA	New	Maintenance contractor was called on site to investigate	Ensure CEMS servicing is up to date.	Complete		Low

WASTE SUMMARY		Lic No:	P0694-01	Year	2013
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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 SS3(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	

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2013
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1. FACILITY IDENTIFICATION

Parent Company Name	SSE Generation Ireland Limited
Facility Name	SSE Generation Ireland Limited
PRTR Identification Number	P0694
Licence Number	P0694-01

Waste or IPPC Classes of Activity

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

Address 1	Rhode PCG
Address 2	Coolcor
Address 3	Rhode, Tullamore
Address 4	Co Offaly
	Offaly
Country	Ireland
Coordinates of Location	-7.21144 53.3589
River Basin District	IEEA
NACE Code	3511
Main Economic Activity	Production of electricity
AER Returns Contact Name	Caroline O'Connell
AER Returns Contact Email Address	caroline.o'connell@ssegeneration.ie
AER Returns Contact Position	Environmental Co-ordinator
AER Returns Contact Telephone Number	00353 (0)68 29206
AER Returns Contact Mobile Phone Number	00353 86 8216392
AER Returns Contact Fax Number	00353 (0)68 36156
Production Volume	104.0
Production Volume Units	MW
Number of Installations	1
Number of Operating Hours in Year	17.45
Number of Employees	2
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# : P0694 | Facility Name : SSE Generation Ireland Limited | Filename : P0694_2013.xls | Return Year : 2013]

01/04/2014 08:40

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR		Please enter all quantities in this section in KGs		
POLLUTANT		METHOD		QUANTITY
No. Annex II	Name	M/C/E	Method Used	
		Method Code	Designation or Description	Emission Point 1
03	Carbon dioxide (CO2)	C	ETS	375084.8
08	Nitrogen oxides (NOx/NO2)	M	EN 14792:2005	460.8
			tonnes of gas oil used*0.1/100 % sulphur*	
11	Sulphur oxides (SOx/SO2)	C	OTH	236.2

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

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO AIR		Please enter all quantities in this section in KGs		
POLLUTANT		METHOD		QUANTITY
No. Annex II	Name	M/C/E	Method Used	
		Method Code	Designation or Description	Emission Point 1
				0.0

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

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

RELEASES TO AIR		Please enter all quantities in this section in KGs		
POLLUTANT		METHOD		QUANTITY
Pollutant No.	Name	M/C/E	Method Used	
		Method Code	Designation or Description	Emission Point 1
				0.0

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

Additional Data Requested from Landfill operators

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

Landfill:	SSE Generation Ireland Limited			
Please enter summary data on the quantities of methane flared and / or utilised	T (Total) kg/Year	M/C/E	Method Used	Facility Total Capacity m3 per hour
			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# : P0694 | Facility Name : SSE Generation Ireland Limited | Filename : P0694_2013.xls | Return Year : 2013 |

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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 conc

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			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 PRTR POLLUTANTS

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			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)

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
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# : P0694 | Facility Name : SSE Generation Ireland Limited | Filename : P0694_2013.xls | Return Year : 2013 |

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SECTION A : PRTR POLLUTANTS

RELEASES TO LAND					Please enter all quantities in this section in KGs					
POLLUTANT		METHOD			QUANTITY					
		M/C/E	Method Used		Emission Point 1		T (Total) KG/Year		A (Accidental) KG/Year	
Method Code			Designation or Description							
No. Annex II	Name									
					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 Used					
			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#: P0694 | Facility Name : SSE Generation Ireland Limited | Filename : P0694_2013.xls | Return Year : 2013 |

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Please enter all quantities on this sheet in Tonnes

15

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 11 03	No	0.0	waste glass-based fibrous materials	R5	M	Weighed	Offsite in Ireland	ENVA,W1084-01	..Clonamin Industrial Estate,Portlaoise,Laois,Ireland	ENVA,W0184-01,..Clonamin Industrial Estate,Portlaoise,Laois,Ireland	..Clonamin Industrial Estate,Portlaoise,Laois,Ireland
Within the Country	13 02 08	Yes	16.14	other engine, gear and lubricating oils	R9	C	Volume Calculation	Offsite in Ireland	ENVA,W1084-01	..Clonamin Industrial Estate,Portlaoise,Laois,Ireland	ENVA,W0184-01,..Clonamin Industrial Estate,Portlaoise,Laois,Ireland	..Clonamin Industrial Estate,Portlaoise,Laois,Ireland
Within the Country	15 01 06	No	0.43	mixed packaging absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by	R3	M	Weighed	Offsite in Ireland	AES,W104-01	..Cappincur ,Tullamore,Co. Offaly,Ireland		
To Other Countries	15 02 02	Yes	0.24	dangerous substances	D10	C	Volume Calculation	Abroad	ENVA,W1084-01	..Clonamin Industrial Estate,Portlaoise,Laois,Ireland	KWA,E17012100,..,Kamp - Linfrt,..Germany	..,Kamp - Linfrt,..Germany
Within the Country	16 01 07	Yes	2.32	oil filters	R4	M	Weighed	Offsite in Ireland	ENVA,W1084-01	..Clonamin Industrial Estate,Portlaoise,Laois,Ireland	ENVA,W0184-01,..Clonamin Industrial Estate,Portlaoise,Laois,Ireland	..Clonamin Industrial Estate,Portlaoise,Laois,Ireland
To Other Countries	16 06 01	Yes	0.0	lead batteries	R4	M	Weighed	Abroad	ENVA,W1084-01	..Clonamin Industrial Estate,Portlaoise,Laois,Ireland	Campine,O 474955451,Campine,..,Beer se,Belgium	Campine,..,Beerse,Belgium
Within the Country	16 06 04	No	0.0	alkaline batteries (except 16 06 03)	R4	M	Weighed	Offsite in Ireland	ENVA,W1084-01	..Clonamin Industrial Estate,Portlaoise,Laois,Ireland		
Within the Country	20 03 01	No	0.35	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	AES,W104-01 Accelerated	..Cappincur ,Tullamore,Co. Offaly,Ireland		
Within the Country	20 03 04	No	0.0	septic tank sludge	D8	C	Volume Calculation	Offsite in Ireland	Drains,158(2)/OY/433/06	...Edenderry,..Ireland		
Within the Country	16 02 16	No	0.14	components removed from discarded equipment other than those mentioned in 16 02 15	R4	M	Weighed	Offsite in Ireland	AES,W104-01	..Cappincur ,Tullamore,Co. Offaly,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](#)