

# EPA Application Form

## 4. Activity and Capacity

### 4.6.2 - Raw Materials, Intermediates and Products - Attachment

**Organisation Name: \***

SSE Generation Ireland Limited

**Application I.D.: \***

LA006988

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## 4. Activity and Capacity

### 4.6. Raw Materials, Intermediates and Products

#### Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site \*

Complete the table below for all process related raw materials, intermediates, products, etc., used or generated on the site **Note 1** - See notes below table for further information

**Note:** Add additional rows in to this table if required. (Please copy the existing formatting into added rows).

Ref. No. or Code	Material/ Substance <sup>(2)</sup>	CAS Number	Danger Category <sup>(3)</sup>	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	Hazard Statement <sup>(4)</sup>	Odour		
								Odourous Yes/No	Description	Threshold µg/m3
1	Distillate Oil	68334-30-5	Aspiration hazard 1, Acute Toxicity 4 skin, Corrosive 2, Carcinogen cat 2, chronic 2 flammable liquid cat 3.	9800	200	Secondary fuel	H226, 304, 315, 332, 351, 373, 411	Yes	Hydrocarbon	Not available
2	Natural Gas (c. 93% Metahne)	74-82-8	Cat 1 Flammable	0	-	Primary Fuel	H220, H280	Yes	Gasoline	Not available
3	Ammonia (20%)	1336-21-6	Skin Corr. 1B - H314, Aquatic Acute 1 - H400	2	2	pH control	H314, H400	Yes	Ammonical	5ppm
4	Sulphuric Acid 96%	7664-93-9	Skin Corrosive 1A	2	1	pH control	H314	No	N/a	N/a
5	Soduim hydroxide (50%)	1310-73-2	Skin Corrosive 1A, Metal Corrosive 1A	2	1	pH control	H290, H314	No	N/a	N/a

**Raw Materials, Intermediates and Products cont...**

Ref. No. or Code (repeated)	Pollutants (Tick and specify Group/Family Number)				Controlled Substances REACH SVHC <sup>(6)</sup>	Relevant hazardous substance? <sup>(7)</sup> Yes/No
	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous <sup>(5)</sup>	Non- hazardous <sup>(5)</sup>		
1	Not Listed	Not Listed	Not Listed	Not Listed	Yes	Yes
2	Not Listed	Not Listed	Not Listed	Not Listed	Yes	Not Listed
3	Yes	Not Listed	Yes	Not Listed	Yes	Not Listed
4	Not Listed	Not Listed	Not Listed	Not Listed	Yes	Not Listed
5	Not Listed	Not Listed	Not Listed	Not Listed	Yes	Not Listed

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								Odourous Yes/No	Description	Threshold µg/m3
6	Sodium Bisulphite (30%)	7681-57-4	Acute Toxicity 4	2	1	Chlorine removal (water treatment plant)	H031, H302	Yes	SO2	N/a
7	Sodium Hypochlorite (14-15%)	7681-52-9	Metal Corrosive cat 1, skin corrosive 1B, Serious eye damage cat 1, Target organ systemic toxicant - single exposure cat 3, acute aquatic toxicity cat 1	43	1000	Chlorination of cooling water (dosing based on river temp)	H031, 314, 400	Yes	Chlorine	N/a
8	Trisodium Phosphate 7%	7601-54-9	Skin Irrit.2 - H315, Eye Irrit.2A - H319, STOT SE 3 - H335	2	1	boiler water treatment	n/a	No	N/a	N/a
9	Molybdate Corrosion inhibitor (trac104)	7631-95-0	Skin corrosion/irritation - Category 1C	0.4	0.2	Closed loop corrosion inhibitor	n/a	No	N/a	N/a

**Raw Materials, Intermediates and Products cont...**

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	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous <sup>(5)</sup>	Non- hazardous <sup>(5)</sup>		
6	Not Listed	Not Listed	Not Listed	Not Listed	Yes	Not Listed
7	Not Listed	Not Listed	Not Listed	Not Listed	Yes	Not Listed
8	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
9	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

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								Odourous Yes/No	Description	Threshold µg/m3
10	GENSYS Antiscalant	not listed	Skin corrosion/irritation - Category 1C	2		WTP anti scalant	n/a	No	N/a	N/a
11	Nitrogen	7727-37-9	Compressed gas	0.5	9.4	Boiler Preservation	H281	No	N/a	N/a
12	Hydrogen	1333-74-0	Extremely flammable gas cat 1, compressed gas	0.1	0.5	Generator cooling	H220, H280	No	N/a	N/a
13	Carbon Dioxide	124-28-9	Compressed	1	1	GT purging	H281	No	N/a	N/a

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10	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
11	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
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								Odourous Yes/No	Description	Threshold µg/m3

**Notes:** **1** The details provided should be very comprehensive, all materials used, fuels, intermediates, laboratory chemicals and product should be included. Particular attention should be paid to materials and product consisting of, or containing, dangerous substances as described in the EU (Classification, Packaging, Labelling and Notification of Dangerous Substances) Regulations 2003 [SI 116/2003] as amended and Regulation (EC) No. 1272/2008. The list must classify these materials in accordance with both of these Regulations, and must specify the designated Hazard Statements. Hazard statements for each substance should be in accordance with Article 21 of the EC Regulation 1272/2008

Raw Materials, Intermediates and Products cont...

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								Odourous Yes/No	Description	

Statements for each substance should be in accordance with Article 21 of the EC Regulation 1272/2008.

The list must identify any Substances of Very High Concern (SVHC) listed in Annex XIV of the REACH Regulations (Regulation (EC) No 1907/2006) as amended and indicate whether the use has been authorised or is exempted in accordance with the Regulation. In the case(s) of exempted use(s) the list must state the basis for each intended exempted use concerned.

**2** In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.

**3** Article 2(2) of S.I. No. 116/2003.

**4** EC Regulation 1272/2008 (Chemicals Act 2008 13 of 2008) and 2010)

**5** The EPA Classification of Hazardous and Non-Hazardous Substances in Groundwater, December 2010.

**6** Where relevant, specify whether the substance is on the Authorisation List (Annex XIV Regulation (EC) No 1907/2006 as amended) or Restriction List (Annex XVII Regulation (EC) No 1907/2006 as amended). Also, indicate whether the use has been authorised or exempted in accordance with Regulation (EC) No 1907/2006 as amended.

**7** Relevant hazardous substances are those substances or mixtures defined within Article 3 of Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures which, as a result of their hazardoussness, mobility, persistence and biodegradability (as well as other characteristics), are capable of contaminating soil or groundwater.

**Raw Materials, Intermediates and Products cont...**

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	EC EO (Surface Waters) Regulations 2009		EC EO (Groundwater) Regulations 2010			
	Specific pollutants	Priority (hazardous) substances	Hazardous <sup>(5)</sup>	Non- hazardous <sup>(5)</sup>		

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