

**Application to the relevant hazardous substances authority (planning authority)**

**The Planning (Hazardous Substances) Act 1990 - Section 7(1)**

**England - The Planning (Hazardous Substances) Regulations 2015 (Regulation 5)**

**Wales - The Planning (Hazardous Substances) (Wales) Regulations 2015 (Regulation 5)**

**Application for Hazardous Substances Consent**

<b>1</b>	<b>Applicant</b>	Sellafield Limited
	Address	Sellafield
		Seascale
		CUMBRIA
	Post code	CA20 1PG
	Telephone number	01946 728333
	<b>Person in control of the land to which the application relates, if different to above</b>	Development Control Team (planning.liaison@sellafieldsites.com)
	Address	Albion Square 1
		Albion Street
		Whitehaven
	Post code	CA28 7NE
	Telephone number	
<b>2</b>	<b>Address or other location details of application site</b>	Sellafield Site
		Seascale
		CUMBRIA
	Post code	CA20 1PG
	OS grid ref	303417, 504803

**3 Hazardous substance(s) covered by the application**

- (a) List named substances falling within Part 2 of Schedule 1 to the Regulations first, then list any substances falling within the categories in Part 1 of that Schedule; finally list substances falling within the description in Part 3.

- (b) Substances falling within Parts 1 or 3 of Schedule 1 to the Regulations may be listed under the relevant category or description or named specifically. Where a substance falls within Part 1 and 2 list under Part 2 only; where a substance falls within more than one category in Part 1 list under the category which has the lowest controlled quantity. Where a substance falling within Part 1 or 2 also falls within Part 3 list under the Part which has the lowest controlled quantity. The “controlled quantity” means the quantity specified for that substance in column 2 of Parts 1, 2 or 3 of Schedule 1 to the Regulations.

Note: The addition rule as set out in the schedule to the regulations should be applied to determine whether consent is required for substances below the Controlled Quantity. Examples are given in the associated planning guidance. The Planning (Hazardous Substances) (Amendment) Regulations 2017 are relevant to the use of the addition rule in England only. The Planning (Hazardous Substances) (Amendment) Regulations 2015 are relevant to Q\* (addition rule) for LPG, and relevant to notes about ammonium nitrate.

Table A

<i>Name, or relevant category or description of substance</i>	<i>Part number in Schedule 1 to the Regulations, and entry number if Part 2, category if Part 1, identity if Part 3</i>	<i>Do you have a current PHS consent* in respect of this substance? (Yes/No)</i>	<i>If "yes", state quantity for which consent granted</i>	<i>Maximum quantity proposed to be present in tonnes</i>
<b>Petroleum Products (Gas Oils)</b>	<b>Part 2 – 34(c)</b>	<b>Yes</b>	<b>7,500.0</b>	<b>7,500.0</b>

\*a hazardous substances consent

**Note:** This application is to inform of the proposed installation of 10 new diesel storage tanks at two new locations at the Sellafeld site. The diesel fuel held in these storage tanks fall within Part 2, 34 (c) of Schedule 1.

Where in Table A consent is sought for any substance below the relevant Control Quantity, give the reason in the box below including the calculation for each relevant type of hazard (health, physical and/or environmental) with the q/Q fractions that add to greater than or equal to 1.

#### 4 Manner in which substance(s) are to be kept and used

For each substance, category or description of substance, covered by the application, provide the following information, referring to the substance location plan where appropriate.

“vessel” means any container designed or adapted to contain hazardous substances which is affixed to the land, and includes a container which forms part of plant or machinery which is affixed to the land but does not include a pipeline.

“Buried” or “Mounded” vessel includes a vessel which is only partially buried or partially mounded.

“moveable container” means any container designed or adapted to contain hazardous substances other than a vessel.

- (a) Tick one box below to show whether the substance(s) will be present for storage only **or** will be stored and involved in a manufacturing, treatment or other industrial process:

*Table B*

<i>Substance including Part no. in Sch. 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3</i>	<i>Storage only</i>	<i>Stored and involved in an industrial process</i>
Petroleum Products - Part 2 – 34 (c)		✓

- (b) For each vessel to be used for **storing** the substance(s) give the following information:

*Table C (i)*

<i>Vessel No *</i>	<i>Substance including Part no. in Sch. 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3</i>	<i>Installed above ground† (Yes/No)</i>	<i>Buried (Yes/No)</i>	<i>Mounded (Yes/No)</i>	<i>Maximum capacity (cubic metres)</i>	<i>Highest vessel design temperature °C</i>	<i>Highest vessel design pressure (bar absolute)</i>
A117	Petroleum Products - Part 2, 34 (c)	Yes Bunded	No	No	57	Ambient	Atmospheric
A118	Petroleum Products - Part 2, 34 (c)	Yes Bunded	No	No	57	Ambient	Atmospheric
A119	Petroleum Products - Part 2, 34 (c)	Yes Bunded	No	No	57	Ambient	Atmospheric
A120	Petroleum Products - Part 2, 34 (c)	Yes Bunded	No	No	57	Ambient	Atmospheric
A121	Petroleum Products - Part 2, 34 (c)	Yes Bunded	No	No	57	Ambient	Atmospheric
A122	Petroleum Products - Part 2, 34 (c)	Yes Bunded	No	No	57	Ambient	Atmospheric
A123	Petroleum Products - Part 2, 34 (c)	Yes Bunded	No	No	57	Ambient	Atmospheric

A124	Petroleum Products - Part 2, 34 (c)	Yes Bunded	No	No	57	Ambient	Atmospheric
A125	Petroleum Products - Part 2, 34 (c)	Yes Bunded	No	No	57	Ambient	Atmospheric
A126	Petroleum Products - Part 2, 34 (c)	Yes Bunded	No	No	57	Ambient	Atmospheric

\* identify by reference to substance location plan

† if "Yes", specify whether or not it will be provided with full secondary containment

(c) For each substance, category, or description of substance, state the largest size (capacity in cubic metres) of any **moveable** container(s) to be used for that substance, category, or description of substances:

*Table C (ii)*

<i>Substance including Part no. in Sch. 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3</i>	<i>Storage area on site*</i>	<i>Maximum capacity (cubic metres) of individual moveable containers</i>

\* identify by reference to substance location plan

(d) Where a substance, category or description of substance is to be used in a **manufacturing, treatment or other industrial process(es)**, give a general description of the process(es), describe the major items of plant which will contain the substance(s); and state the maximum quantity (in tonnes) which is liable to be present in the major items of the plant, and the maximum temperature (°C) and pressure (bar absolute) at which the substance, category or description of substance is liable to be present:

*Table D*

<i>Substance including Part no. in Schedule 1 to the Regs, and entry no. if Part 2, category if Part 1, identity if Part 3</i>	<i>Description of process(es)</i>	<i>Major items of plant*</i>	<i>Max. quantity (tonnes)</i>	<i>Max. temp. (°C)</i>	<i>Max. pressure (bar absolute)</i>
Petroleum Products - Part 2, 34 (c)	Electrical Generation	A117	47.90	Ambient	Atmospheric
Petroleum Products - Part 2, 34 (c)	Electrical Generation	A118	47.90	Ambient	Atmospheric

Petroleum Products - Part 2, 34 (c)	Electrical Generation	A119	47.90	Ambient	Atmospheric
Petroleum Products - Part 2, 34 (c)	Electrical Generation	A120	47.90	Ambient	Atmospheric
Petroleum Products - Part 2, 34 (c)	Electrical Generation	A121	47.90	Ambient	Atmospheric
Petroleum Products - Part 2, 34 (c)	Electrical Generation	A122	47.90	Ambient	Atmospheric
Petroleum Products - Part 2, 34 (c)	Electrical Generation	A123	47.90	Ambient	Atmospheric
Petroleum Products - Part 2, 34 (c)	Electrical Generation	A124	47.90	Ambient	Atmospheric
Petroleum Products - Part 2, 34 (c)	Electrical Generation	A125	47.90	Ambient	Atmospheric
Petroleum Products - Part 2, 34 (c)	Electrical Generation	A126	47.90	Ambient	Atmospheric

\* identify by reference to substance location plan

## 5 Additional Information

- (a) If you have an existing PHS consent(s) as referred to in Table A, **attach a copy of each consent** to this application.
- (b) **List the maps or plans** or any explanatory scale drawings of plant/buildings submitted with this application (**as a minimum submit a site map and a substance location plan** – see **Notes** below).

**Sellafield Site Map** – scale 1:10,000

**Substance Location Plan** - scale 1:2,500 identifying areas of land intended to be used for the storage of the substances and where the substances are to be used in nuclear reprocessing, remediation and associated processes. Location of the major storage vessels, identification of access points to and from the land and set routes to off-load points for deliveries.

**2 x Zoom Images of Tank Locations** – plans identifying proposed location areas of new tanks for substations 99 and 100 (A117 to A126).

- (c) Provide a brief overview description of the **main activities** carried out or proposed to be carried out on the land to which the application relates.

Sellafield Limited operates a number of processes on the Sellafield nuclear licensed site some of which involve the storage and use of hazardous substances.

The application is intended to:

- i) To inform of the proposed installation of 10 diesel storage tanks at two locations at the site Substation 99 (A117, A118, A119, A120, A121, A122) and Substation 100 (A123, A124, A125, A126).

New tanks are part of an upgrade project of the electrical infrastructure of the Sellafield site to replace the existing emergency back-up generation for the site.

The entire project consists of three phases with the total installation of 12 tanks in three locations on site. This application is for approval of the first two phases of the project.

At the end of the entire project when new generation is considered, the existing generators at B484 (A27, A28, A29, A30, A31, A32, A33 and A34) will be de-commissioned.

- (d) Provide details of how each relevant substance is proposed to be transported to and from the land to which the application relates, for example the size and frequency of vehicle deliveries, the size or maximum flow rate of pipeline imports/exports.

<i>Substance including Part number in Schedule 1 to the Regulations, and entry number if Part 2, category if Part 1, identity if Part 3</i>	<i>How, and other details such as frequency and quantity, transported to and from the land to which the application relates</i>	
	<i>Transported to site</i>	<i>Transported from site</i>
Petroleum Products - Part 2, 34 (c) (A117, A118, A119, A120, A121, A122)	60,000 litres / month via tanker	N/A
Petroleum Products - Part 2, 34 (c) (A123, A124, A125, A126)	40,000 litres / month via tanker	N/A

- (e) Provide details of the vicinity of the land to which the application relates, where such details are relevant to the risks or consequences of a major accident (relevant details include numbers of people in neighbouring developments that could be affected by a major accident and details about environmentally sensitive receptors).

The land immediately surrounding the site is predominantly farmland and there are a number of farm buildings and smallholdings. The River Calder flows north east to south west through the site to the sea. At a point south of the village of Braystones, at an elevation of 20m above ordnance datum, the River Ehen begins to flow south-east, parallel to the coast,

for a distance of approximately 3 km towards High Sellafield. The River Ehen flows adjacent and parallel to the southern boundary of the site until it reaches the confluence with the River Calder.

The PIZ (Public Information Zone) is 1.1 km from the centre of the Inactive Tank Farm (A94). Within this zone there is a population of approximately 15 people off-site.

There are no statutory designated sites of nature conservation interest within 2 km of the Sellafield site. South of the site there is a managed habitat for Natterjack Toads, a European Protected Species.

- (f) Provide a brief overview of the measures taken or proposed to be taken to limit the consequences of a major accident.

Sellafield Ltd ensures compliance with chemical industry “relevant good practice” and the COMAH regulations. The Site has a COMAH safety report covering all the plant areas which have chemical major accident hazards. The implementation of the safeguards contained in this report seek to ensure that the risk of a major accident hazard is reduced to levels that are as low as reasonably practicable. The company also complies with all relevant legislation such as the Control of Substances Hazardous to Health (COSHH) Regulations and the Dangerous Substances and Explosive Atmospheres (DSEAR) Regulations as well as a series of environmental authorisations and permits.

All materials are transported in compliance with the Carriage of Dangerous Goods and Transportable of Pressure Equipment Regulations (CDG) and the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) requirements. Likewise, should any of these materials be transported off the site as surplus material or waste the same standards apply.

- (g) Give any further information which you consider to be relevant to the determination of this application. (For example, details about any exempted established substances on site or a copy of any notification about ‘other establishments’/exempted established substances if already submitted).

I/We hereby apply for hazardous substances consent in accordance with the proposals described in the application

Signed ... Dr J E Monteith .....

on behalf of ... Sellafield Ltd .....  
(insert name of person in control of the land if different to applicant)

Date ...16 September 2021.....

To be accompanied by the notices and certificates required by regulations 6 and 7 of the Regulations.

#### Notes

**“Site map”** is a map, reproduced from, or based on, an Ordnance Survey map with a scale of not less than 1:10,000, which identifies the land to which the application relates and shows National Grid lines and reference numbers.

**“Substance location plan”** is a plan of the land to which the application relates, drawn to a scale of not less than 1:2,500, which identifies-

- (a) any area of land intended to be used for the storage of the substance;
- (b) where the substance is to be used in a manufacturing, treatment or other industrial process, the location of the major items of plant involved in that process in which the substance will be present; and
- (c) access points to and from the land.