

Notice: Variation of Permit

This permit has been varied by the Scottish Environment Protection Agency (SEPA) in exercise of its powers under Regulation 46 of the Pollution Prevention and Control (Scotland) Regulations 2012 ("the Regulations"). The terms used in this notice, unless otherwise defined, have the same meaning as in the Regulations.

Permit Number:	PPC/A/1013494
Operator:	ExxonMobil Chemical Limited Company Registration Number – 00867162 Registered Address – Ermyn House, Ermyn Way, Leatherhead, Surrey, England, KT22 8UX
Variation Number:	VAR02
Effective Date of Variation:	13 January 2023
Details of Variation:	The permit is varied as specified in the Schedule(s) attached.

Schedule

The permit has been varied as follows:

1. In the Interpretation of Terms, the following are deleted:

"Flaring" means any emission of hydrocarbon from emission point numbers A16, A17, A18 and A19, where the flare is lit, as described in Table 4.1;

"Venting" means any emission of hydrocarbon from emission point numbers A16, A17, A18 and A19, where the flare is unlit and from emission point numbers A12, A13, A14 and A15, as described in Table 4.1;

"Major" used with reference to flaring means any emission of hydrocarbon equal to or greater than 15 tonnes/hour for a period of 60 minutes or more; and

"Major" used with reference to venting means any emission of hydrocarbon from emission point numbers A16, A17, A18 and A19, where the flare is unlit.

2. In the Interpretation of Terms, the following have been added:

"Flaring" means any emission of hydrocarbon from emission point numbers A16, A17 and A19, where the flare is lit, as described in Table 4.1;

"Venting" means any emission of hydrocarbon from emission point numbers A16, A17 and A19, where the flare is unlit and from emission point numbers A12, A13, A14 and A15, as described in Table 4.1;

"Major" used with reference to flaring means any emission of hydrocarbon equal to or greater than 15 tonnes/hour for a period of 60 minutes or more; and

"Major" used with reference to venting means any emission of hydrocarbon from emission point numbers A16, A17 and A19, where the flare is unlit.

3. In Schedule 1, Conditions 1.1.4.1(e) and (g) are deleted and a new Condition 1.1.4.1(e) has been added as follows:

- e. an enclosed ground flare with a capacity of 130 Tonnes per hour;

4. In Schedule 1, Condition 1.1.6 is deleted and a new Condition 1.1.6 has been added as follows:

- 1.1.6 The adjacent Avanti Gas tanker loading facility for the loading and odourising of propane and butane, located to the north of the installation, does not form part of the installation.

5. In Table 2.1 – Reporting and Notification Requirements, rows 19, 20, 27, 28, 29 and 38 have been deleted and new rows have been added, as follows:

Summary of Information to be Reported or Notified	Condition	Date/Within period/ Frequency to be Reported	Date First Report Due
Assessment of all measures used to prevent emissions to soil and groundwater	2.7.4	At least once every four years	31 October 2022
Periodic Monitoring	4.1.4	Quarterly, within six weeks of completion of the monitoring	31 May 2023
Updated Environmental Monitoring Programme	6.1.6	At least every two years or following a change in operation	31 December 2023

6. In Schedule 4, Conditions 4.1.7, 4.1.8 and 4.1.9 are deleted.
7. In Schedule 4, Conditions 4.3.10 and 4.3.11 are deleted and new conditions 4.3.10 and 4.3.11 have been added as follows:
- 4.3.10 Flaring from the installation shall take place preferentially on the Enclosed Ground Flare.
- 4.3.11 Where the Enclosed Ground Flare is not employed the reason for this should be included within the report required by Condition 4.3.1.
8. In Schedule 4, Conditions 4.3.13 i. is deleted and new Condition 4.3.13 i. has been added as follows:
- i. The gas flow and composition to the enclosed ground flare (emission point A17);
9. In Schedule 4, Condition 4.3.15 is deleted.
10. In Schedule 4, Condition 4.3.17 is deleted and new Condition 4.3.17 is inserted as follows:

4.3.17 From 30 June 2023 a new enclosed ground flare shall be operational and maintained to meet the requirements in Condition 4.3.16.

11. In Table 4.1, columns 14 (A17), 15 (A18), 17 to 25 (A20 to A28) are deleted.

12. In Table 4.1 a new column is inserted as follows:

A17	Enclosed Ground Flare	31/18.3	A17	NT 188 901	SS	Flare Exhaust	Ringelmann Shade 1 > 15 mins
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13. In Table 4.2 rows 1 to 3 and 9 to 12 are deleted and following rows are inserted:

Parameter	Emission point number	Spot Sampling (SS)		
		Standard	Frequency	Operational Mode
Oxides of Nitrogen	A01 to A07 and A11	BS EN 14792	Quarterly	Operational
Oxides of Sulphur	A11	BS EN 14791	Quarterly	Operational
Smoke	A01 to A07 inclusive, A16, A17 & A19	BS 2742:1969	Start Up/ Shut Down	Start Up/ Shut Down
			Daily	Operational

14. In Table 4.3 row 3 is deleted.

15. Table 4.4 is deleted and a new Table 4.4 is inserted as follows:

Parameter	Combined Emissions (Number)	Method (Summary)	Mass Emissions Result to be recorded as
Oxides of Nitrogen (expressed as nitrogen dioxide)	A01 to A07 inclusive, A11, A16, A17 & A19	As agreed in writing with SEPA	Tonnes per month
Oxides of Sulphur	A11		Tonnes per month
Carbon Dioxide	A01 to A07 inclusive, A11, A14, A16, A17 & A19		Tonnes per month
H ₂ S	A14		Tonnes per month
Total Organic Carbon	A11, A13, A16, A17 & A19		Tonnes per month

16. In Table 5.1 row 7 (Type of Monitoring) is deleted and a new row is inserted as follows:

Monitoring Details	Type of Monitoring ¹	SS	SS	SS
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Note 1: ELVs apply to LCP Combustion emissions only. If Feed Treatment Unit offgas is routing through A08, A09 or A10 during monitoring, appropriate sampling methodology must be agreed in advance with SEPA.

17. In Schedule 6 Conditions 6.1.3, 6.1.4 and 6.1.5 are deleted and the following Conditions are inserted:

6.1.3 By 01 April 2022 the Operator shall submit to SEPA an updated Environmental Monitoring Programme, as required by Condition 6.1.1, which shall include:

- (a) a programme for the communication of existing air quality monitoring data; and
- (b) a methodology for carrying out sound level noise monitoring and noise impact assessments during Major Elevated Flaring Events, which shall include proposals for:
 - (i) the measurement of sound at identified monitoring locations, and the assessment of noise impact, if any, at identified locations of

monitoring representative of residential receptors using the methodology described by BS 4142;

- (ii) the measurement of low frequency sound at identified monitoring locations, and the assessment of low frequency noise impact, if any, at identified locations of monitoring using (to the extent practicable) a modified approach to the methodology described by NANR45; and
- (iii) clearly identifying the locations of monitoring (by map and location photo).

6.1.4 From 01 April 2022 whenever a Major Elevated Flaring Event occurs, the operator shall implement the methodology specified in the Environmental Monitoring Programme required by Condition 6.1.3(b).

6.1.5 Unless otherwise agreed in writing with SEPA, following a Major Elevated Flaring Event:

- (a) the following shall be included as part of the incident report required by Condition 2.4.6; the total flaring rate of hydrocarbon in tonnes per hour, the elevated flaring rate of hydrocarbon in tonnes per hour, associated steam rate in tonnes per hour, and the ground flare loading rate of hydrocarbon in tonnes per hour during the entire event period; and
- (b) within six weeks of cessation of the Major Elevated Flaring Event, a report covering the methodology implemented, as required by Condition 6.1.4, and any assessments undertaken, shall be submitted to SEPA. The report shall include as a minimum:
 - (i) information required to be reported by the relevant standard; and
 - (ii) a justification for the location(s) at which monitoring, and the assessment was undertaken.

6.1.6 At least every two years, or following a change in operation, the operator shall carry out a review of the Environmental Monitoring Programme as required by Conditions 6.1.1, 6.1.2 and 6.1.3, and update as necessary. The reviewed plan must be reported to SEPA.