Scottish Environment Protection Agency
Buidheann Dìon Àrainneachd na h-Alba

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/1013495
Site address:	Fife NGL Plant PO Box 16 Cowdenbeath KY4 8EL
Operator:	Shell U.K. Limited 140141 Shell Centre York Road London SE1 7NA
Variation Number:	VAR04
Issue Date:	05 February 2026
Effective Date of Variation:	05 February 2026
Details of Variation:	The permit is varied as specified in the Schedule attached.

Scottish Environment Protection Agency
Buidheann Dìon Àrainneachd na h-Alba

Permit Number: PPC/A/1013495

Schedule

The permit has been varied as follows:

1. In the Interpretation of Terms, the following has been inserted:

"Flare Screening Tool" means the spreadsheet, submitted as Appendix C of Variation Application VAR04 on 31 October 2025, that calculates high pressure (HP) flaring rates and uses a dynamic decision tree based on factors such as duration and intensity of Flaring to determine whether ground flare utilisation is required and whether one or both ground flares should be brought into operation.

2. In Schedule 1, Condition 1.1.5 (c) is deleted and replaced by a new Condition 1.1.5 (c), as follows:

c) A continually oil contaminated drainage system (COC) that collects surface water from process areas and comprises treatment by a Tilted Plate Interceptor (TPI) prior to discharge into the accidentally oil contaminated drainage system.

3. In Schedule 1, Conditions 1.2.1 and 1.2.2 are deleted and replaced by new Conditions 1.2.1 and 1.2.2, as follows:

1.2.1 The permitted installation to which this Permit applies ("the Permitted Installation") is:-

1.2.1.1 The part of the Installation which comprises the Stationary Technical Unit described in Paragraphs 1.1.4.1 to 1.1.4.2, where the activities described in Paragraphs 1.1.3.2 and 1.1.3.4 are carried out, together with the Directory Associated Activities described in Paragraph 1.1.5. The location of the Permitted Installation on the Site is delineated in blue on the Site Plan.

1.2.2 For the purposes of this Permit, the Activities described in Paragraph 1.1.3.2 and 1.1.3.4 and the Directly Associated Activities described in Paragraph 1.1.5. shall be known together as the Permitted Activities.

Scottish Environment Protection Agency
Buidheann Dìon Àrainneachd na h-Alba

4. In Schedule 2, Table 2.1 is deleted and replaced with a new Table 2.1, as follows:

Table 2.1 - Reporting and Notification Requirements

Summary of Information to be Reported or Notified	Condition	Date/Within period/ Frequency to be Reported	Date Report Due
Primary point of contact with SEPA	2.1.1 & 2.1.2	Within 4 weeks of the date of this Permit and then in the event of a different person being appointed without delay	4 weeks from date of Permit
Location of records if not at the permitted Installation	2.2.2	Before records are transferred to the new location	Not applicable
Permitted Installation has not operated	2.3.2	Within one month of the end of the reporting period	Not applicable
Incident notification	2.4.4, 2.4.5 & 4.3.2	Without delay by telephone and the next working day written confirmation	Not applicable
Incident investigation report	2.4.6	Within 14 days of the date of the Incident unless otherwise agreed in writing with SEPA	Not applicable
Cessation of climate change agreement	2.5.6	Written notification to SEPA within one month of such cessation	Not applicable
Resource Utilisation Report	2.5.2	At least once every 4 years after first report	28 February 2022
Waste management review report	2.6.1	At least every 4 years	28 February 2010
Assessment of measures to prevent emissions to soil and groundwater	2.7.4	At least every 4 years	28 February 2020
Groundwater monitoring assessment	2.7.5	At least every 2 years	28 February 2020
Soil monitoring assessment	2.7.6	At least every 10 years	28 February 2020

Scottish Environment Protection Agency
Buidheann Dìon Àrainneachd na h-Alba

Permit Number: PPC/A/1013495

Summary of Information to be Reported or Notified	Condition	Date/Within period/ Frequency to be Reported	Date Report Due
Soil and Ground water monitoring plan	2.7.7	At least three months in advance of carrying out the monitoring	No later than 3 months prior to first soil and/or groundwater monitoring
Review of the soil and groundwater monitoring plan	2.7.9	No later than 6 months after each monitoring event	No later than 6 months after the first and/or groundwater monitoring
Cessation of Permitted Activities notification	2.9.2	No later than 2 months prior to the proposed date of cessation	Not applicable
Noise assessment report	3.1.1 & 3.1.2	At least every 4 years	31 January 2009
The VOC Fugitive Release Inventory	3.4.1	Annually	28 February 2020
The LDAR Programme	3.4.3	Annually	28 February 2019
Air emission report	4.1.4	Annually within 2 months of the end of every calendar year	28 February 2008
Mass and combined emission to air report	4.1.5	Annually within 2 months of the end of every calendar year	28 February 2008
Water emission report	4.2.5	Annually within 2 months of the end of every calendar year	28 February 2008
Reviewed Sampling Plan report	4.2.6	Annually by the 1 December each year	1 December 2008
Water disposal sampling and disposal	4.2.9	Annually within 2 months of the end of every calendar year	28 February 2008
Flaring events	4.3.1	Annually within 2 months of the end of every calendar year	28 February 2008

Scottish Environment Protection Agency
Buidheann Dìon Àrainneachd na h-Alba

Permit Number: PPC/A/1013495

Summary of Information to be Reported or Notified	Condition	Date/Within period/ Frequency to be Reported	Date Report Due
Planned flaring notification	4.3.5	At least 7 days before the planned flaring	Not applicable
Flare out of service notification	4.3.6	At least 24 hours before the flare is taken out of service	Not applicable
Updates on flaring minimisation and ground flare maintenance work	4.3.11	Annually within 2 months of the end of every calendar year	28 February 2027
Report on replacing obsolete ground flare control and ignition systems	4.3.12	Single Report	31 December 2026
Major Flaring Event noise assessment report	5.1.5	From 01 April 2022 within 6 weeks of cessation of a Major Flaring Event	As required
EMP Review	5.1.6	At least every two years or following a change in operation.	31 July 2024

5. In Schedule 2, Table 2.1 is moved to Section 2.3.

6. In Schedule 2, Table 2.2 is moved to Section 2.5.

7. In Schedule 2, Condition 2.5.1.4 is deleted and replaced by a new Condition 2.5.1.4, as follows:

2.5.1.4 The quantities of material losses and wastes generated within the Permitted Installation;

8. In Schedule 2, Condition 2.7.5 is deleted and replaced by a new Condition 2.7.5, as follows:

2.7.5 The operator shall monitor the groundwater at the site for the relevant hazardous substances specified in table 2.3 at the frequency specified in table 2.3, the purpose of which shall be to identify groundwater contamination associated with the activities specified in Table 2.3 by those relevant hazardous substances. Each assessment shall be recorded and reported to SEPA. The first assessment shall be completed by 28 February 2020. The assessment shall include interpretation of the results with reference to previous monitoring undertaken (including the site and where applicable baseline reports) and operations at the permitted installation and details of corrective actions that are required to protect groundwater and remedy any contamination that has occurred as a result of permitted activities.

9. In Schedule 4, Condition 4.3.8 is deleted and replaced by a new Condition 4.3.8, as follows:

4.3.8 High Pressure (HP) Flaring from the installation shall take place preferentially on the ground flares, when determined by the Flare Screening Tool.

10. In Schedule 4, Conditions 4.3.11 and 4.3.12 are deleted and new Conditions 4.3.11, 4.3.12 and 4.3.13 are inserted, as follows:

4.3.11 By the end of each February the Operator shall prepare and submit to SEPA a report including;

(a) A review of possible improvements to minimise the number and/or impact of Flaring events, with any proposals for improvement and timescales for implementation.
(b) Details of progress to date associated with any improvement plans specified in previous reports.
(c) Details of any work undertaken during the previous 12 months to minimise the number and/or impact of Flaring events.
(d) Details of any work undertaken during the previous 12 months to inspect and maintain the ground flares.
(e) Details of planned inspection and maintenance activities planned for the ground flares in the coming year.
(f) Details of the maintenance strategy for each ground flare over the coming five years.
(g) Details of training on ground flare activation and decision making over the past 12 months.

4.3.12 By 31 December 2026 the Operator shall complete and provide to SEPA a feasibility study for upgrading obsolete ground flare ignition and control systems. The report shall include proposals and timelines for implementing any identified improvements.

4.3.13 The Operator shall carry out the improvements identified in the feasibility study submitted under Condition 4.3.12 by 31 December 2027.

11. In Schedule 4, Table 4.1 is deleted and replaced by new Table 4.1, as follows:

Table 4.1 - Emissions to Air ELV's

Source of Emission	**Emission point number**	A01	A02	A03	A04	A05	A06	A07
	Emission source	Module 1 Furnace & Regeneration Heater (1-F5501 & 1-F1301)	Module 2 Furnace & Regeneration Heater (2-F5501 & 2-F1301)	Module 3 Furnace & Regeneration Heater (3-F5501 & 3-F1301)	HP / LP Elevated Flare (A7001)	LP elevated Flare (A7003)	Ground Flare A (A7005-A)	Ground Flare B (A7005-B)
	Stack height/ diameter/ dimensions (m)	48 / 2.44	48 / 2.44	48 / 2.44	80 / 3.06	80 / 1.37	12.2 / 16 x 8	12.2 / 16 x 8
	Location on Site Plan	A01	A02	A03	A04	A05	A06	A07
	NGR	NT 19430 90503	NT 19547 90504	NT 19629 90485	NT 19129 90463	NT 19129 90463	NT 18976 90352	NT 18976 90352
Monitoring Details	**Type of Monitoring**	SS	SS	SS	SS	SS	SS	SS
	Sampling Location	Furnace Exhaust	Furnace Exhaust	Furnace Exhaust	Flare Exhaust	Flare Exhaust	Flare Exhaust	Flare Exhaust
Limits for Parameters from	**Oxides of Nitrogen mg/m^3**	150	150	150	-	-	-	-

Scottish Environment Protection Agency
Buidheann Dìon Àrainneachd na h-Alba

Emission Source	**Oxides of Sulphur mg/m^3**	10	10	10	-	-	-	-
	Carbon Monoxide mg/m^3	100	100	100	-	-	-	-
	Maximum oxygen in discharged combustion gas % oxygen v/v	7.5	7.5	7.5	-	-	-	-
	Smoke	Ringelmann Shade 1	Ringelmann Shade 1	Ringelmann Shade 1	Ringelmann Shade 2 > 15 mins	Ringelmann Shade 2 > 15 mins	Ringelmann Shade 2 > 15 mins	Ringelmann Shade 2 > 15 mins

Table 4.1 - Emissions to Air ELV's (Continued)

Source of Emission	**Emission point number**	A12
	Emission source	Hot Oil Storage Tank (T-5501)
	Stack height/ diameter (m)	N/A
	Location on Site Plan	A12
	NGR	N/A
Monitoring Details	**Type of Monitoring**	-
	Sampling Location	-
Limits for Parameters from Emission Source	**Oxides of Nitrogen mg/m^3**	-
	Oxides of Sulphur mg/m^3	-
	Carbon Monoxide mg/m^3	-
	Maximum oxygen in discharged combustion gas % oxygen v/v	-
	Smoke	-

12. In Schedule 4, the footnote on Table 4.2 is deleted.

13. In Schedule 4, Table 4.4 is deleted and replaced by new Table 4.4, as follows:

Scottish Environment Protection Agency
Buidheann Dìon Àrainneachd na h-Alba

Permit Number: PPC/A/1013495

Table 4.4 - Mass Emissions to Air

Parameter	Combined Emissions (Number)	Method (Summary)	Mass Emissions Result to be recorded as
Oxides of Nitrogen (expressed as nitrogen dioxide)	A01 to A07 inclusive	As Agreed in writing with SEPA	Tonnes per month
Oxides of Sulphur	A01 to A07 inclusive		Tonnes per month
Carbon Dioxide	A01 to A07 inclusive		Tonnes per month

Scottish Environment Protection Agency
Buidheann Dìon Àrainneachd na h-Alba

14. In Schedule 4, Table 4.6 is deleted and replaced by a new Table 4.6, as follows:

Parameter	Emission (Number(s))	Test Method	Reporting Format	Sampling / Measurement Facility	Instantaneous Frequency
pH	W01	Manual sample with in-house analysis Hanna 210 pH to standard ISO 10523:1994	pH Units	W01	Weekly
Total Suspended Solids	W01	Manual sample Analysis to standard ISO 11923:1997	mg/l	W01	Weekly
Total Petroleum Hydro-carbons (Oil in Water)	W01	Manual sample Analysis to standard ISBN 0117517283	mg/l	W01	Weekly
Temperature	W01	Manual sample Digital Thermometer	°C	W01	Weekly
Dissolved Oxygen	W01	Manual sample with in-house analysis	mg/l	W01	Weekly
Flowrate	W01	Manual sample employing an in-situ calibrated weir plate and reference chart	Litres per Second	W01	Weekly
Mercury	W01	Manual sample with external/ internal analysis to ISO5666	µg/l	W01	Annually
Cadmium	W01	Manual sample with external analysis to ISO 17294	µg/l	W01	Annually