

Reference Number: PPC/A/1013494/VN05

**SCOTTISH ENVIRONMENT PROTECTION AGENCY**

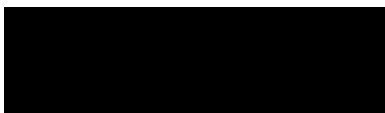
**POLLUTION PREVENTION AND CONTROL ACT 1999**

**POLLUTION PREVENTION AND CONTROL (SCOTLAND) REGULATIONS 2012  
("THE REGULATIONS")**

**NOTICE OF VARIATION TO PERMIT**

**Permit No:** PPC/A/1013494 (As Varied)  
**To:** ExxonMobil Chemical Limited  
**Address:** ExxonMobil House  
Ermyrn Way  
Leatherhead  
KT22 8UX

The Scottish Environment Protection Agency ("SEPA"), in exercise of its powers under Regulation 46 of the Regulations, hereby gives you notice that it has decided, to vary permit PPC/A/1013494 (As Varied) granted under the Regulations. The variations are specified in the Schedule to this notice and take effect on 23 OCTOBER 2018.



Date: 23 October 2018

Authorised to sign on behalf of the  
Scottish Environment Protection Agency

Right of Appeal

Under Regulation 58 of the Regulations you are entitled to appeal to the Scottish Ministers against the conditions attached to this Notice, except where SEPA has served this Notice to implement a direction to SEPA of the Scottish Ministers. The bringing of an appeal will not have the effect of suspending the operation of the conditions attached to this Notice. The procedures and timescales for the making of an appeal are set out in Schedule 8 of the Regulations.



**SCOTTISH ENVIRONMENT PROTECTION AGENCY**

**POLLUTION PREVENTION AND CONTROL ACT 1999**

**POLLUTION PREVENTION AND CONTROL (SCOTLAND) REGULATIONS 2012  
("THE REGULATIONS")**

**SCHEDULE TO NOTICE OF VARIATION UNDER REGULATION 46(8)**

**Operator:** ExxonMobil Chemical Limited  
**Permit Number:** PPC/A/1013494 (As Varied)  
**Date of Permit:** 19 October 2007  
**Variation No:** VN05

Permit number **PPC/A/1013494 (As Varied)** has been varied as follows:

**1. In the 'Interpretation of Terms' the following term is added:**

"'Hazardous substance' means substances or mixtures as defined in Article 3 of Regulation (EC) No 1272/2008 of the European Parliament on classification, labelling and packaging of substances and mixtures."

**2. In Schedule 1, Paragraph 1.1.3 has been deleted and replaced with a new Paragraph 1.1.3 as follows:**

**1.1.3 The Activities carried out at the Stationary Technical Unit are: -**

**1.1.3.1** The burning of gaseous and liquid fuels in eleven combustion appliances with an aggregated net thermal input of approximately 830 MW being an activity listed in Part A Section 1.1 of Chapter 1, Part 1 of Schedule 1 of the Regulations; described as burning any fuel in a combustion appliance with a rated thermal input of 50 megawatts or more.

**1.1.3.2** The burning of gaseous fuels in six combustion appliances with an aggregated net thermal input of 150 MW being an activity listed in Part A Section 1.1 of Chapter 1, Part 1 of Schedule 1 of the Regulations; described as burning any fuel in a combustion appliance with a rated thermal input of 50 megawatts or more.

**1.1.3.3** The production of ethylene through the cracking of ethane and propane, being an activity falling within paragraph (a) of Part A of Section 4.1 of Schedule 1 of the Regulations described as Organic Chemicals.

**1.1.3.4** The processing of natural gas liquids into ethane (plus lighter components), propane, butane and pentane (plus heavier components), being an activity falling within paragraph (f) of Part A of Section 1.2 of Schedule 1 of the Regulations described as the purifying or refining of the products of an activity mentioned in paragraph (a) or its conversion into a different product.

**3. In Schedule 2, Condition 2.3 is deleted and a new Condition 2.3 added as follows:**

**2.3 Reporting**

- 2.3.1** Where any Condition of this Permit requires information to be reported, a report shall be forwarded in writing (including electronic mail) to SEPA at the address specified in the explanatory notes attached to this Permit, by the date(s) or within the period or at the frequency specified in Table 2.1 and, where appropriate, the first report shall be due on the date specified in that Table. All such reports shall include the Permit number and the name of the Operator.
- 2.3.2** Where the Permitted Installation has not operated for the duration of any reporting period specified in Table 2.1, the Operator shall provide written notification to SEPA (including electronic mail). This shall confirm that no reports have been made in terms of Condition 2.3.1 because the Permitted Installation has not operated during the said period. Notifications shall be submitted within one month of the end of the reporting period concerned.
- 2.3.3** All notifications required by any Condition of this Permit shall be made to SEPA in the manner specified in that Condition to the address specified in the explanatory notes attached to this Permit by the date(s) or within the period or at the frequency specified in Table 2.1 and, where appropriate, the first notification shall be due on the date specified in that Table. All such notifications shall include the Permit number and name of the Operator.
- 2.3.4** Where any condition of this permit requires a report to be submitted, that report shall contain sufficient and accurate information to allow an assessment of the compliance with the condition requiring the report and the report shall be made in accordance with any guidance published by SEPA.

**3. In Schedule 2, Table 2.1 has been 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 First Report Due
Name of an appropriate person and deputy	2.1.1	With 4 weeks of date of Permit	Not applicable
Change of appropriate person or deputy	2.1.2	Without delay	Not applicable
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

<b>Summary of Information to be Reported or Notified</b>	<b>Condition</b>	<b>Date/Within period/ Frequency to be Reported</b>	<b>Date First Report Due</b>
Incident notification	2.4.4, 2.4.5, 4.3.2, 4.3.4 & 4.3.5	Without delay by telephone, confirmation in writing by the next working day	As required.
Incident investigation report	2.4.6	Within 14 days of the date of the Incident unless otherwise agreed in writing with SEPA	As required
Resource utilisation report	2.5.2	At least once every 4 years	28 February 2009
Groundwater monitoring assessment	2.7.5	At least every 3 years	28 February 2020
Soil monitoring assessment	2.7.6	At least every 10 years	28 February 2020
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 the 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 soil 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 August 2008
Odour assessment report	3.2.2 & 3.2.3	At least every 4 years	31 March 2009
VOC fugitive release inventory	3.5.1	Annually within 2 months of the end of every calendar year	28 February 2020
Annual leak repair programme	3.5.3	Annually within 2 months of the end of every calendar year	28 February 2020
Air emission report	4.1.4	Annually within 1 month of the end of every calendar year	31 January 2008
Mass and composition emission to air report	4.1.5	Annually within 1 month of the end of every calendar year	31 January 2008

Summary of Information to be Reported or Notified	Condition	Date/Within period/ Frequency to be Reported	Date First Report Due
Water emission report	4.2.5	Annually within 1 month of the end of every calendar year	31 January 2008
Reviewed Sampling Plan report	4.2.6	Annually by the 1st December each year	1 December 2008
Flaring and venting events	4.3.1	Annually within 1 month of the end of every calendar year	31 January 2008
Planned flaring and venting notification	4.3.3	At least 7 days before the planned flaring	Not applicable
Flare or vent out of service notification	4.3.6	At least 24 hours before the flaring is taken out of service	Not applicable
BAT assessment to prevent and minimise noise, vibration and smoke associated with flaring	4.3.13	30 April 2019	Not applicable
Interim report on progress towards the evaluation of Best Available Techniques for flaring required by Condition 4.3.13	4.3.14	30 November 2018	Not applicable
Periodic Monitoring Reports	5.2.5	Six monthly within six weeks of completion of the monitoring	Report for first half of 2016 due within six weeks of completion of the monitoring
Mass emissions to air	5.2.5	Annually within 2 months from the end of the calendar year	28 February 2016 for year ending 31 December 2015
Operating hours	5.2.5	Annually within 1 month of the end of the calendar year	31 January 2017 for first annual report
Energy Input per fuel	5.2.5	Annually within 1 month of the end of the calendar year	31 January 2017 for first annual report
LCPs where Article 30(5) may apply	5.3.5.1 a)	As required	Without delay
LCPs where Article 30(5) may apply	5.3.5.1 b)	As required	Without delay
Notification of change to SUSD periods for LCPs	5.3.5.1 c)	As required	14 days prior to changes being made

**4. Condition 2.5 has been deleted and replaced with a new Condition 2.5 as follows:**

**2.5 Resource Utilisation**

**2.5.1** At least every four years, the Operator shall carry out a systematic assessment to determine:

**2.5.1.1** how and where raw materials (including water and fuel) and energy are used within the Permitted Installation;

**2.5.1.2** the quantities of raw materials (including water and fuel) and energy used within the Permitted Installation;

**2.5.1.3** how and where material losses and wastes are generated within the Permitted Installation;

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

**2.5.1.5** how and where raw materials (including water) and energy can be utilised more efficiently within the Permitted Installation to reduce resource use and minimise material losses and waste; and

**2.5.1.6** which of the resource efficiency measures identified in 2.5.1.5 will be implemented at the Permitted Installation during the 4 year assessment cycle.

**2.5.2** The assessment required by condition 2.5.1 shall be recorded using the SEPA "systematic assessment of resource use and efficiency template" (IED-T-04), or an equivalent format as agreed by SEPA, and reported to SEPA as specified in Table 2.1.

**2.5.3** The operator shall implement the resource efficiency measures identified in the systematic assessment within the timescales specified in the systematic assessment.

**2.5.4** The information required in 2.5.1.2 and 2.5.1.4 shall be recorded annually.

**2.5.5** For the purposes of condition 2.5.1 "raw materials, "energy" and "fuel" shall, as a minimum, include the materials listed in Table 2.2.

**5. In Schedule 2, Condition 2.6.3 the words "in paragraph 1.1.6.4" are deleted and replaced by the words "stored on the Permitted Installation".**

**6. In Schedule 2, Conditions 2.6.1 and 2.6.2 have been deleted and Condition 2.6.3 renumbered 2.6.1.**

**7. In Schedule 2, Table 2.2 is deleted and Table 2.3 renumbered Table 2.2.**

**8. In Schedule 2, Condition 2.7 has been deleted and replaced with a new Condition 2.7 as follows:**



## 2.7 Protection of Soil and Groundwater

- 2.7.1 Unless specified elsewhere in this permit there shall be no emission of any pollutants to groundwater or soil from the permitted installation.
- 2.7.2 The operator shall maintain a record of any incident that has, or might have, impacted on the condition of any soil or groundwater under the permitted installation, either as a result of that incident or as a result of an accumulation of incidents, together with a record of any further investigation or remediation work carried out.
- 2.7.3 Notwithstanding the requirements of condition 2.2.2, the record required by condition 2.7.2 shall be preserved until this permit is surrendered.
- 2.7.4 At least every 4 years, the operator shall carry out a systematic assessment of all measures used to prevent emissions from the permitted installation to soil and groundwater. A written report of each assessment shall be recorded and reported to SEPA. The report shall include details of and timescales for any additional measures that are required to prevent emissions to soil and groundwater.
- 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.

Table 2.3 – groundwater monitoring requirements

Relevant hazardous substance	Activity to be monitored	Frequency
As specified in the plan required by Condition 2.7.7	As specified in the plan required by Condition 2.7.7	Every 3 years

- 2.7.6 The operator shall monitor the soil at the site for the relevant hazardous substances specified in table 2.4 at the frequency specified in Table 2.4, the purpose of which shall be to identify soil contamination associated with the activities specified in Table 2.4 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 soil and remedy any contamination that has occurred as a result of permitted activities.



Table 2.4 – soil monitoring requirements

Relevant hazardous substance	Activity to be monitored	Frequency
As specified in the plan required by Condition 2.7.7	As specified in the plan required by Condition 2.7.7	Every 10 years

- 2.7.7 The operator shall submit a detailed soil and groundwater monitoring plan, for the monitoring required by conditions 2.7.5 and 2.7.6 to SEPA at least three months in advance of carrying out the monitoring, which shall include the locations at which monitoring shall be carried out and the methodology which shall be used.
- 2.7.8 The operator shall carry out the monitoring required by conditions 2.7.5 and 2.7.6 in accordance with the soil and groundwater monitoring plan required by condition 2.7.7.
- 2.7.9 The operator shall review the plan required by Condition 2.7.7 no later than 6 months after each monitoring event. The purpose of the review shall be to determine whether any changes to monitoring locations, frequency or parameters are required and where changes are proposed, submit a revised plan to SEPA.
- 2.7.10 Notwithstanding the requirements of Condition 2.2 all plans, monitoring and assessments reports undertaken in accordance with Conditions 2.7.4, 2.7.5, 2.7.6, 2.7.7 and 2.7.8 shall be preserved until the permit is surrendered.
- 2.7.11 The operator shall maintain the groundwater monitoring wells detailed in the plan required in Condition 2.7.7 in a condition fit for purpose, unless otherwise agreed in writing with SEPA. Where a well's function is compromised it shall be repaired or replaced to allow sample collection in accordance with Conditions 2.7.5 and 2.7.6.

**9. In Schedule 3, Condition 3.3.2 and Table 3.1 are deleted.**

**10. In Schedule 3, a new condition 3.5 is inserted as follows:**

**3.5 Fugitive VOC Emissions**

- 3.5.1 The Operator shall prepare, implement and maintain a VOC fugitive release inventory for all plant (and tanks) included within the Permitted Installation. The said inventory shall list the main sources of fugitive releases on each plant along with the techniques in place to prevent or minimise VOC emissions from each source. Fugitive VOC emissions shall be quantified (based on composition and mass in kilograms) for each source including the total for each production plant based on monitoring estimates on an annual basis. The fugitive release inventory shall be reported to SEPA on an annual basis, within 2 months of the end of the calendar year. The first assessment shall be completed by 28 February 2020.

3.5.2 The Operator shall implement and maintain an on-going annual Leak Detection and Repair Programme (LDAR) designed to reduce fugitive VOC emissions to air from the production plants and tanks identified in Condition 3.5.1. The repair programme shall use monitoring including optical gas imaging techniques and the annual VOC fugitive release inventory as the basis for targeting improvements.

3.5.3 The Operator shall record and report to SEPA the annual leak repair programme for the forthcoming calendar year along with a review of the previous year's repair programme identifying any improvements made, within 2 months of the end of the calendar year. The first assessment shall be completed by 28 February 2020.

**11. In Schedule 4, Condition 4.2.8 has been deleted and replaced with a new Condition 4.2.8 as follows:**

4.2.8 Without prejudice to Condition 4.2.7 in the event that any emission is made from emission point number W02, as described in Table 4.5, the following information shall be recorded:

4.2.8.1 the dates and times any emission so made started and stopped;

4.2.8.2 the reason for the emission;

4.2.8.3 details of any action taken to minimise both the volume and impact of any emission;

**12. In Schedule 4, Condition 4.3.12 is deleted and subsequent conditions renumbered accordingly.**

**13. In Schedule 4, Conditions 4.4, 4.5, 4.6 and 4.7 are deleted.**

**14. In Schedule 4, Table 4.8 is deleted**

**15. Schedule 5 is retitled:**

5. CONDITIONS APPLYING TO LARGE COMBUSTION PLANT (Activities Subject to Chapter III of Directive 2010/75/EU)

**16. In the Explanatory Notes to the Permit the SEPA Edinburgh Office address is replaced with the following address:**

SEPA Edinburgh Office, Silvan House, 231 Corstorphine Road, Edinburgh, EH12 7AT.