

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: Ermyrn 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 August 2019.

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Authorised to sign on behalf of the
Scottish Environment Protection Agency

Date: 23 August 2019

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.

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SCHEDULE TO NOTICE OF VARIATION UNDER REGULATION 46(8)

Operator: ExxonMobil Chemical Limited
Permit Number: PPC/A/1013494 (As Varied)
Date of Permit: 29 October 2007
Variation No: VN07

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

1. Conditions 4.3.12 and 4.3.13 are deleted and new Conditions 4.3.12, 4.3.13, 4.3.14, 4.3.15 and 4.3.16 added as follows:
 - 4.3.12 By the 31 January each year the Operator shall prepare, and submit to SEPA, a flaring prevention and minimisation review including:
 - (i) progress against delivery of the actions identified in Section 5: Implementation Plan of the Fife Ethylene Plant Flaring BAT Evaluation;
 - (ii) the outcome of each action delivered including any reductions in flaring frequency, rates and/or duration achieved; and
 - (ii) how any improvements have been incorporated into the Noise and Vibration Management Plan and/or Plant Operating Procedures.
 - 4.3.13 From 23 August 2019 the Operator shall continuously monitor and record:
 - (i) the gas flow from the Fife Ethylene Plant (FEP) to the ground flares A7005 and B7005;
 - (ii) gas flow to the FEP elevated Flare (emission point A16); and
 - (iii) the composition of flare gas and the steam flow rate to the FEP elevated Flare (emission point A16).
 - 4.3.14 From 31 December 2020 the FEP elevated Flare (emission point A16) shall be operated using a John Zink steamizer XP 60/54” flare tip which has:
 - (i) acoustic insulation installed on the steam valves ; and
 - (ii) the ratio of steam to flare gas in the elevated flare shall be automatically recorded via the Distributed Control System (DCS) in the control room and shall have alarms set in the DCS to alert the Operator of any deviation or faults in the ratio of steam to flare gas.
 - 4.3.15 By 31 October 2019, the Operator must submit, in writing, to SEPA a project plan for bringing into operation a totally enclosed ground flare system for the FEP, to meet the requirements of Condition 4.3.16. The plan shall cover all stages of design, procurement, installation and commissioning to the point of routine operation and identify key milestones and the critical path for completion.

- 4.3.16 The totally enclosed ground flare system design basis shall have, as a minimum:
- (i) A minimum operational capacity of 100 tph for the gas compositions at the permitted installation;
 - (ii) Continuous monitoring and recording of gas flows to the ground flare system;
 - (iii) Continuous monitoring and recording of the composition of flare gas to the ground flare system;
 - (iv) A maximum ground flare noise of 85 db(A) at 1 metre from the wind/noise barrier of the ground flare;
 - (v) A smokeless capacity of 100%;
 - (vi) Availability of 99%; and
 - (vii) A minimum combustion efficiency of 99%.

2. The following rows are inserted into Table 2.1:

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
Flaring prevention and minimisation review	4.3.12	Every 12 months	31 January 2020
Ground Flare Project Plan	4.3.15	31 October 2019	Not applicable