



## **Permit with introductory note**

**NORTH EAST LINCOLNSHIRE COUNCIL**

**POLLUTION PREVENTION AND CONTROL ACT 1999  
Environmental Permitting Regulations 2010 (as amended)**

### **Installation address**

**Phillips 66 Ltd.  
Coke Silos  
Immingham Docks  
Immingham  
North East Lincolnshire  
DN40 2NT**

**Permit Ref. no: EP/200200090V3**

## **Introductory note**

*This introductory note does not form a part of the Permit*

The following Permit is issued under Regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010 (S.I.2010 No. 675) ("the EP Regulations") to operate an installation carrying out one or more of the activities listed in Part 2 to Schedule 1 of those Regulations, to the extent authorised by the Permit.

The permit includes conditions that have to be complied with. It should be noted that aspects of the operation of the installation which are not regulated by those conditions shall be subject to best available techniques, used to prevent or, where that is not practicable, reduce emissions from the installation in relation to any aspect of the operation of the installation which is not regulated by any condition within the permit.

Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

## **Confidentiality**

The Permit requires the Operator to provide information to North East Lincolnshire Council. The Council will place the information onto the public registers in accordance with the requirements of the EP Regulations. If the operator considers that any information provided is commercially confidential, it may apply to North East Lincolnshire Council to have such information withheld from the register as provided in the EP Regulations. To enable North East Lincolnshire Council to determine whether the information is commercially confidential, the Operator should clearly identify the information in question and should specify clear and precise reasons.

## **Variations to the permit**

Your Attention is drawn to the Variation Notification Procedure condition in the permit. This Permit may be varied in the future. If at any time the activity or any aspect of the activity regulated by the following conditions changes such that the conditions no longer reflect the activity and require alteration, the Regulator should be contacted.

## **Surrender of the permit**

Where an Operator intends to cease the operation of an installation (in whole or in part) the regulator should be informed in writing, such notification must be made as specified in regulation 24(3) of the EP regulations.

## **Transfer of the permit or part of the permit**

Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed holders, in accordance with Regulation 21 of the EP Regulations. A transfer will be allowed unless the Authority considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred Permit.

## **Responsibility under workplace health and safety legislation**

This Permit is given in relation to the requirements of the EP regulations. It must not be taken to replace any responsibilities you may have under Workplace Health and Safety legislation.

## **Appeal against permit conditions**

### Right to Appeal

You have the right of appeal against this permit within 6 months of the date of the decision. The Council can tell you how to appeal. You will normally be expected to pay your own expenses during an appeal.

You will be liable for prosecution if you fail to comply with the conditions of this permit. If found guilty, the maximum penalty for each offence if prosecuted in a Magistrates Court is £50,000 and/or 6 months imprisonment. In a Crown Court it is an unlimited fine and/or 5 years imprisonment.

Our enforcement of your permit will be in accordance with the Regulators "Compliance Code."

Anyone who is aggrieved by the conditions attached to a Permit can appeal to the Secretary of State for the Environment, Food and Rural Affairs. Appeals must be made in accordance with the requirements of Regulation 31 and Schedule 6 of the EP Regulations.

Appeals should be received by the Secretary of State for Environment, Food and Rural Affairs. The address is as follows:

The Planning Inspectorate  
Environmental Team, Major & Specialist Casework  
Room 4/04 – Kite Wing  
Temple Quay House  
2 The Square, Temple Quay  
BRISTOL  
BS1 6PN  
Tel: 0117 372 8726  
Fax: 0117 372 8139

### Please Note

An appeal brought under Regulation 31 (1) (b) and Schedule 6, in relation to the conditions in a permit will not suspend the effect of the conditions appealed against; the conditions must still be complied with.

In determining an appeal against one or more conditions, the Act allows the Secretary of State in addition to quash any of the conditions not subject to the appeal and to direct the local authority either to vary any of these other conditions.

## **Brief description and installation regulated by this permit**

**Process using coal, coke, coal product and petroleum coke** as prescribed by Section 3.5 of Schedule I of the Environmental Permitting (England and Wales) Regulations 2010 (as amended).

Petroleum coke is oil sprayed at the Humber refinery and delivered to the dock silo facility in sheeted tipper vehicles which discharge within the warehouse or one of the two enclosed loading bays.

Each loading bay is equipped with a reception hopper protected with a metal grid and connects with a feeder conveyor system which delivers the product to the surge hopper. A conveyor system then delivers the product to the silos. Material elevated by the conveyors is either deposited into the surge hopper for direct ship loading or to the upper elevator for silo loading. For silo loading the material is directed to a further elevator and then the top of the silos.

Material is then discharged to a cross conveyor before being loaded to the selected silo. Material delivered to the warehouse is stored in stockpiles dependant on the grade of the product. When required, the product is taken from the required stockpile and placed onto the conveyor system by mechanical shovel. Product transferred from the warehouse and the silos is conveyed to the ship loader via external, fully enclosed conveyor belts.

Dust extraction units are located at all transfer points, which upstream of the weighbridge, return extracted dust to the hoppers and downstream of the weighbridge, return extracted dust to the conveyor belt. The ship loader is equipped with a "Cleveland Cascade" loading chute which is set at optimum angles to eliminate product freefall and minimise dust emissions.

<b>Superseded Licences/Consents/Authorisations relating to this installation</b>		
<b>Holder</b>	<b>Reference Number</b>	<b>Date of Issue</b>
<b>ConocoPhillips Ltd Humber Refinery South Killingholme North Lincolnshire DN40 3DW</b>	<b>EPA133/IL/HJ/V1</b>	<b>June 1995</b>
<b>ConocoPhillips Ltd. Humber Refinery South Killingholme North Lincolnshire DN40 3DW</b>	<b>EP/200200090</b>	<b>07 February 2005</b>

**End of introductory note**

**Permit issued under the Environmental Permitting Regulations (England and Wales) 2010 (as amended)**

**Permit**

**Permit Ref. No:** EP/200200090V2

North East Lincolnshire Council (the Regulator) in exercise of its powers under Regulation 13(1) of the Environmental Permitting Regulations 2010 (S.I. 2010 No. 675) hereby permits.

**Phillips 66 Limited** ("the operator"),

Whose registered office is:-


**Phillips 66 Limited**  
7<sup>th</sup> Floor,  
200-202 Aldersgate Street  
London  
EC1A 4HD

To operate an installation at:-

**Phillips 66 Limited.**  
**Coke Silos**  
**Immingham Docks**  
**Immingham**  
**North East Lincolnshire**  
**DN40 2NT**


to the extent permitted by and subject to the conditions of this Permit and within the boundary identified in condition C

Signed



Nathan Vear  
Head of Service - Environment  
Authorised to sign on behalf of  
North East Lincolnshire Council

Dated





## CONDITIONS

### Extent and limit of the installation

#### A Variation Notification Procedure

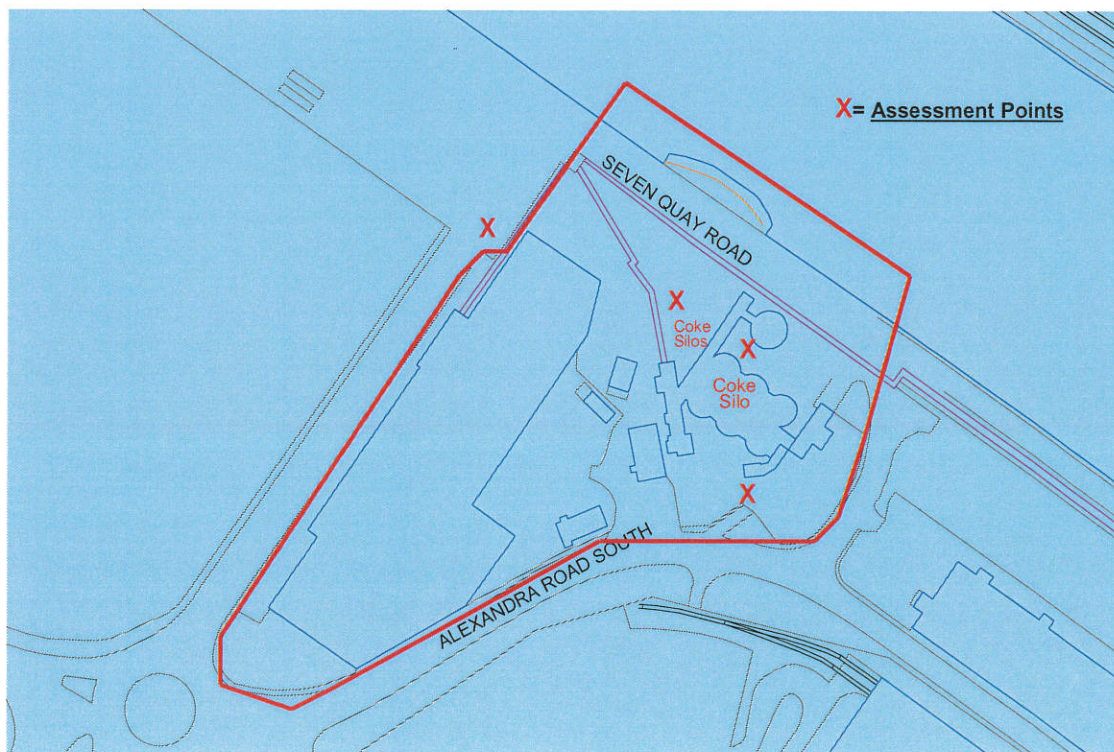
If the operator proposes to make a change in operation of the installation, he must, at least 14 days before making the change, notify the regulator in writing. The notification must contain a description of the proposed change in operation. It is not necessary to make such a notification if an application to vary this permit has been made and the application contains a description of the proposed change. In this condition 'change of operation' means a change in the nature or functioning, or an extension, of the installation, which may have consequences for the environment.

#### B Best Available Technique

The best available techniques shall be used to prevent or, where that is not practicable, reduce emissions from the installation in relation to any aspect of the installation which is not regulated by any other condition in this permit.

#### C The Permitted Installation

The operator is authorised to carry out the activities and/or associated as specified and within the boundary shown in red on the plan below:-



**Process using coal, coke, coal product and petroleum coke** as prescribed by Section 3.5 of Schedule I of the Environmental Permitting (England and Wales) Regulations 2010 (as amended).

Petroleum coke is oil sprayed at the Humber refinery and delivered to the dock silo facility in sheeted tipper vehicles which discharge within the warehouse or one of the two enclosed loading bays. Each loading bay is equipped with a reception hopper protected with a metal grid and connects with a feeder conveyor system which delivers the product to the surge hopper. A conveyor system then delivers the product to the silos.

Material elevated by the conveyors is either deposited into the surge hopper for direct ship loading or to the upper elevator for silo loading. For silo loading the material is directed to a further elevator and then the top of the silos. Material is then discharged to a cross conveyor before being loaded to the selected silo. Material delivered to the warehouse is stored in stockpiles dependant on the grade of the product. When required the product is taken from the required stockpile and placed onto the conveyor system by mechanical shovel. Product transferred from the warehouse and the silos is conveyed to the ship loader via external, fully enclosed conveyor belts. Dust extraction units are located at all transfer points, which return extracted fumes to the conveyor belt. The ship loader is equipped with a "Cleveland Cascade" loading chute which is set at optimum angles to eliminate product freefall and minimise dust emissions.

## **1. Emission Limits**

- 1.1 There shall be no visible emissions of particulate matter arising from the process beyond the process boundary shown by the red line on the attached site plan.
- 1.2 The operator shall prevent the release of particulate emissions from the site that are harmful, offensive or detrimental to the amenity of the neighbourhood.

## **2. Site Operations**

- 2.1 All vehicles not concerned with product handling or maintenance shall be restricted to the designated traffic route on the site.
- 2.2 The on-site speed limit for all vehicles shall be 10mph.
- 2.3 All road going vehicles carrying petroleum coke or other coal products or empty vehicles having been used for carrying the above products and having the potential to cause dust emissions off the site shall be either fully sheeted or of an enclosed body type. A requirement to sheet vehicles shall be included in all contracts for road haulage.
- 2.4 The operator must ensure that all loaded vehicles leaving the site show no obvious damage to the vehicle that would result in the spillage of product and that tailgates must be fully closed.
- 2.5 Designated traffic routes shall be monitored during normal site operations and the necessary remedial action taken in the event of any significant fugitive dust emissions.
- 2.6 All machinery shall be examined for any build-up of dusty materials. If any such build-up is found it shall be removed immediately.
- 2.7 When an escape of dust is observed or when any malfunction or breakdown likely to lead to an escape of dust is found:-
  - a the responsible activity shall cease immediately
  - b an immediate investigation shall be carried out
  - c prompt corrective action shall be taken
  - d the results of the investigation and corrective action taken shall be entered in the site log required by condition 2.8.
- 2.8 A site log shall be kept available for examination by the Regulator at any time. Entries shall include:-
  - a wind speed and direction to be retained electronically
  - b details of any significant emissions of dust from the site to be kept for 12 months



- c the control measures taken to prevent significant emissions of dust from the site.

2.9 Coke fines shall be collected from the relevant silo by road tankers. Discharge of coke fines from silos shall be via a bulk loading chute. The operator shall ensure that the bulk loading chute is properly seated on the tanker before loading commences.

### **3. Plant Equipment and Operations**

3.1 All petroleum coke received on site shall be oil sprayed.

3.2 The receipt of petroleum coke shall be via the enclosed loading bays or the warehouse facility.

3.3 When the unloading of tipper lorries is being carried out in the enclosed loading bays, the roller shutter doors shall be fully closed and extract ventilation shall be in operation.

An interlocking device shall be in operation to ensure that the extract ventilation over-runs after the lorries have completed tipping.

3.4 The operation of, and final discharge of petroleum coke from the ship loading chute shall be in accordance with the companies' standard written operating procedure for the minimisation of dust emissions at the chute end as described in the application document. A copy of which shall be kept available on site at all times.

3.5 All spillages of petroleum coke within the dock silo-facility shall be cleaned up as soon as they are discovered. The vacuum equipment (as described in the application document) shall be used for spillages for final discharge into bags.

3.6 All deck plates and side panels to the ship loading conveyor shall be in place and hinged covers closed while the ship loading conveyor is in operation. Their removal shall be prohibited during ship loading operations.

3.7 Scrap coke shall be loaded into suitable bags prior to removing from the site. The bags shall be closed by tying, or other suitable means, to prevent fugitive dust emissions whilst awaiting collection.

3.8 Coke fines collected at the transfer points on the ship loading conveyor shall be directed back onto the conveyor for final discharge to the ship.

#### **4. Monitoring**

- 4.1 Visual monitoring for fugitive dust emissions shall be carried out at start up of operations and thereafter at 4 hourly intervals during normal site operations in the locations as indicated on the site plan. Where any visible emissions of particulate matter are observed, the activity responsible shall cease immediately. It shall not be re-commenced until action has been taken to ensure that Condition 1 of this Notice can be met. Any such events shall be recorded in the site diary detailed in Condition 2.8.
- 4.2 Particulate monitoring shall be undertaken using either British Standard deposit gauges, sticky slides or another method approved in writing by the regulator. The monitoring exercise shall be undertaken within two months of the date of this Notice and at any other time as required by the regulator in writing. All proposed monitoring schemes shall be submitted in writing to the Regulator within one month of the date of this Notice for approval. The monitoring scheme shall include details of the location of monitoring equipment and shall record wind speed and direction. Subsequent to the first monitoring scheme any changes in method will require approval in writing by the Regulator.
- 4.3 All silos shall be manually dipped prior to filling and the free capacity of the silo calculated to prevent overflowing. The results recorded in the site log.
- 4.4 The coke fines hopper shall be manually dipped daily when filling is being carried out and emptied as and when required to prevent overflowing. The results recorded in the site log.

#### **5. General**

- 5.1 Staff at all levels need the necessary training and instruction in their duties relating to control of the process and emissions to air. The operator should maintain a statement of training requirements for each operational post and a record of the training received by each person should be made available for inspection by the Regulator.
- 5.2 Effective preventative maintenance should be employed on all plant and equipment concerned with the control of emissions to air. In particular:
- ✚ A written maintenance programme should be provided to the regulator with respect to pollution control equipment annually.
  - ✚ A record of such maintenance should be made available for inspection by the Regulator.

- 5.3 Where contractors are performing any part of the process they shall not operate on site unless they have been trained in accordance with the requirements for employees detailed above. Alternatively, they must work under the supervision of a trained employee.

**End of Permit**