

# Notice of variation and consolidation with introductory note

## The Environmental Permitting (England & Wales) Regulations 2016

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Navigator Terminals North Tees Limited  
North Tees Oil & Fuel Bulk Storage Terminal  
Off Huntsman Drive  
Port Clarence  
Middlesbrough  
Teesside  
TS2 1TT

### **Variation application number**

EPR/FP3433DX/V002

### **Permit number**

EPR/FP3433DX

# North Tees Oil & Fuel Bulk Storage Terminal

## Permit number EPR/FP3433DX

### Introductory note

#### **This introductory note does not form a part of the notice**

The main features of the installation are as follows.

Navigator Terminals North Tees Limited operate an oil and fuel bulk storage terminal (“the Installation”) at Port Clarence, Teesside, centred at NGR NZ 52980 22840.

The installation undertakes the following permitted process as part of its operations:

#### **Section 1.2 Part A(1)(e)(i): The loading, unloading, handling or storage of, or the physical, chemical or thermal treatment of crude oil.**

Crude oil is imported either by pipeline or by ship. The crude oil is stored in tanks or in underground storage cavities.

#### **Section 1.2 Part B (b): The storage of petrol in stationary storage tanks at a terminal, or the loading or unloading at a terminal of petrol into or from road tankers, rail tankers or inland waterway vessels.**

Blended petroleum is transferred from another Operator’s source tanks to the Terminal using a transfer pump via the link line system. The import company to the terminal link line is 5.1km long.

A modified fixed roof storage tank incorporates a floating roof with roof vents in order to store the petroleum. The tank inlet and outlet comprise remotely operated shut-off valves. The tank bund area is fitted with a vapour detection system.

#### **Directly Associated Activity: Vapour recovery unit (VRU).**

A VRU is installed to capture VOCs during road and rail loading operations. The VRU is designed to process petroleum vapour mixed with air. Vapours displaced during loading operations are fed to the VRU via a knock-out pot fitted with a trip, which on activation shuts the loading operation down. There are four gas detectors associated with the rail loading.

The VRU vents emissions to air intermittently and is dependent on the number of rail cars being loaded. Due to the intermittent and insignificant nature of emissions to air from the VRU, no routine monitoring or reporting requirements have been specified for the emission point.

#### Changes introduced by this variation:

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. Only the variations specified in schedule 1 are subject to a right of appeal.

The schedules specify the changes made to the permit.

This consolidated permit is produced as a result of an application from the operator to add a new listed activity under application reference EPR/FP3433DX/V002:

#### **Section 5.6 Part A(1)(a): Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes**

The loading, unloading, handling and storage of an Oil/Water mixture (emulsion) coded as Hazardous Waste under European Waste Catalogue code 13 08 02\*, in up to four dedicated storage tanks with an aggregated storage capacity of 60,000 tonnes.

Loading and unloading is undertaken at Inland Vessels which berth at Jetty 4 of the Terminal. Once all relevant checks have been completed, the vessel is connected to a 12 inch hose and the route to and from the tank(s) and vessel are opened in a safe and controlled manner for loading and unloading, as appropriate.

The process is overseen by the Control Room Operator until fully complete, when the tank side valves and vessel's manifold are closed, and the vessel is able to disconnect and be made ready for sailing.

There are very minor changes to the extent of the Installation as a result of this variation, comprising the addition of the pipeline and jetty. The Operator has confirmed the site condition is the same as the original baseline, and the SCR/SPMP has been updated accordingly.

Other key features of the site:

The drainage system includes a below ground interceptor which receives effluent from the road and rail gantries, oil and water drains and from the slops tanks. Water from the interceptor overflows into a pumping chamber from where it is pumped to a separator and then pumped to Saltholme Beck via the pumps and outfall. Oil accumulated in the interceptor is periodically pumped out using a gully sucker and removed from the site for disposal.

The firefighting system includes a firefighting water tank, firefighting water pump, foam distribution systems and water deluge systems.

The instrument air system includes compressors, drying units and air receivers. The instrument compressed air supply is used to activate the firefighting water deluge systems, VRU, rail and road loading gantry and bund foam supplies and also the gasoline storage tank ROSOVs and shutoff valves on the rail and road loading gantries. The instrument air system is backed up by a bottled air system.

A dedicated communications link between the Installation and the petroleum import company is installed which facilitates effective management of the operations taking place at the site.

The Installation is located in a predominantly industrial setting, on the banks of the River Tees, which is designated as part of the wider Teesmouth and Cleveland Coast Special Protection Area and Site of Special Scientific Interest.

The site is also registered with the Health and Safety Executive as an Upper Tier COMAH site under the Control of Major Accident Hazards Regulations.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

| <b>Status log of the permit</b>              |                       |   |
|--|-----------------------|---|
| <b>Description</b>                           | <b>Date</b>           | <b>Comments</b>                         |
| Application<br>EPR/NP3733LM                  | Duly made<br>01/09/06 | Application for an environmental permit |
| Response to request for further information  | 05/04/07              | Response dated 03/05/07                 |
| Permit determined<br>EPR/NP3733LM            | 31/10/07              | Permit issued                           |
| Variation notice<br>EPR/NP3733LM/V002 issued | 17/12/07              | Variation issued                        |
| Variation application<br>EPR/NP3733LM/V003   | 31/03/09              | Application for a variation             |
| Variation issued<br>EPR/NP3733LM/V003        | 17/12/09              | Variation issued                        |
| Variation application<br>EPR/NP3733LM/V004   | 02/06/11              | Application for a variation             |

| <b>Status log of the permit</b>  |                       |   |
|--|-----------------------|---|
| <b>Description</b>   | <b>Date</b>           | <b>Comments</b>   |
| Variation determined<br>EPR/NP3733LM/V004                                  | 15/08/11              | Variation issued  |
| Application for a full transfer of<br>permit EPR/YP3031CC/T001             | 20/07/12              | Application to transfer permit no EPR/NP3733LM in<br>full to Greenergy Terminals Limited  |
| Transfer determined<br>EPR/YP3031CC  | 25/07/12              | Full transfer of permit complete  |
| Variation application<br>EPR/YP3031CC/V002                                 | 01/10/13              | Application to vary permit  |
| Variation determined<br>EPR/YP3031CC/V002                                  | 01/10/13              | Variation issued  |
| Application for a full transfer of<br>permit EPR/FP3433DX/T001             | 13/06/16              | Application to transfer permit no EPR/YP3031CC in<br>full to Navigator Terminals North Tees Limited   |
| Transfer determined<br>EPR/FP3433DX  | 10/06/16              | Full transfer complete  |
| Application for a variation<br>EA/EPR/FP3433DX/V002                        | Duly made<br>25/03/21 | Application for a variation to add a new listed activity<br>to allow the temporary storage of hazardous waste<br>(crude oil/sea water emulsion) |
| Variation determined<br>EPR/FP3433DX/V002<br>[Billing reference: XP3601LU] | 27/08/21              | Varied and consolidated permit issued.  |

End of introductory note

# Notice of variation and consolidation

## The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

### Permit number

EPR/FP3433DX

### Issued to

**Navigator Terminals North Tees Limited** (“the operator”)

whose registered office is

**Oliver Road**

**West Thurrock**

**Grays**

**Essex**

**RM20 3ED**

company registration number 09889506

to operate a regulated facility at

**North Tees Oil & Fuel Bulk Storage Terminal**

**Off Huntsman Drive**

**Port Clarence**

**Middlesbrough**

**Teesside**

**TS2 1TT**

to the extent set out in the schedules.

The notice shall take effect from 27/08/2021

| Name       | Date       |
|------------|------------|
| Anne Lloyd | 27/08/2021 |

Authorised on behalf of the Environment Agency

## **Schedule 1**

Only conditions the following have been varied by the consolidated permit EPR/FP3433DX/V002:

The following conditions were varied as a result of the application made by the operator:

- Condition 2.1.2 has been added to ensure the waste specified for AR3 is segregated.
- Condition 2.3.4 has been added to ensure only permitted waste is accepted.
- Condition 2.3.7 has been added to ensure there is no mixing of wastes.
- Condition 4.2.5 has been added to require quarterly operator reporting of hazardous waste returns (via GOR).
- Table S1.1, as referenced in Conditions 2.1.1, 2.1.2 and 2.3.7, has been amended to add new listed activity (AR3).
- Table S1.2, as referenced in Conditions 2.3.1 and 2.3.2, has been amended to include relevant operating techniques.
- Table S1.3, as referenced in Condition 2.4.1, has been updated to reflect the status of Improvement Condition IC1.
- Table S2.2, as referenced in Condition 2.3.4, has been added to specify permitted waste types and capacity.
- Schedule 6, as referenced in Condition 4.1.1, has been updated to reflect modern conditions.
- Schedule 7, as referenced in Condition 2.2.1, has been updated with an amended site plan.

The following conditions were varied as a result of an Environment Agency initiated variation:

- The primary listed activity in the previous permit (Section 1.2 Part A(1) (h)(i)) has been updated to reflect EPR 2016 amendments, to now read Section 1.2 Part (A)1(e)(i).
- Spot sample notification requirement, as specified in the previous permit under Condition 4.3.3, has been removed, as not applicable to this type of facility.
- Conditions 4.3.1, 4.3.2 and 4.4.2 have been amended to reflect modern wording of our notification requirements and their interpretation.

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

# Permit

## The Environmental Permitting (England and Wales) Regulations 2016

### Permit number

**EPR/FP3433DX**

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/FP3433DX/V002 authorising,

**Navigator Terminals North Tees Limited** (“the operator”),

whose registered office is

**Oliver Road  
West Thurrock  
Grays  
Essex  
RM20 3ED**

company registration number 09889506

to operate an installation at

**North Tees Oil & Fuel Bulk Storage Terminal  
Off Huntsman Drive  
Port Clarence  
Middlesbrough  
Teesside  
TS2 1TT**

to the extent authorised by and subject to the conditions of this permit.

| Name       | Date       |
|------------|------------|
| Anne Lloyd | 27/08/2021 |

Authorised on behalf of the Environment Agency

# Conditions

## 1 Management

### 1.1 General management

1.1.1 The operator shall manage and operate the activities:

- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
- (b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

### 1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

### 1.3 Efficient use of raw materials

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review.

### 1.4 Avoidance, recovery and disposal of wastes produced by the activities

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.



## **2 Operations**

### **2.1 Permitted activities**

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).
- 2.1.2 For the following activities referenced in schedule 1, table S1.1: AR3; waste authorised by this permit shall be clearly distinguished from any other waste on the site.

### **2.2 The site**

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in black on the site plan at schedule 7 to this permit.

### **2.3 Operating techniques**

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
  - (a) it is of a type and quantity listed in schedule 2 table S2.2; and
  - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
  - (a) the nature of the process producing the waste;
  - (b) the composition of the waste;
  - (c) the handling requirements of the waste;
  - (d) the hazardous property associated with the waste, if applicable; and
  - (e) the waste code of the waste.
- 2.3.6 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.
- 2.3.7 Hazardous waste shall not be mixed, either with a different category of hazardous waste or with other waste, substances or materials, unless it is authorised by schedule 1 table S1.1 and appropriate measures are taken.

## **2.4 Improvement programme**

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

## **3 Emissions and monitoring**

### **3.1 Emissions to water, air or land**

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Total annual emissions of a substance listed in schedule 3 table S3.2 shall not exceed the relevant limit in table S3.3.
- 3.1.4 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

### **3.2 Emissions of substances not controlled by emission limits**

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
  - (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
  - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

### **3.3 Odour**

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
  - (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
  - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **3.4 Noise and vibration**

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
  - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

## **3.5 Monitoring**

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1 and S3.2.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

## **4 Information**

### **4.1 Records**

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
  - (b) be made as soon as reasonably practicable;
  - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
  - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
    - (i) off-site environmental effects; and
    - (ii) matters which affect the condition of the land and groundwater.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

### **4.2 Reporting**

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.
- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
  - (b) the annual production/treatment data set out in schedule 4 table S4.2; and
  - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
  - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

## 4.3 Notifications

- 4.3.1 In the event:
- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately —
    - (i) inform the Environment Agency,
    - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
    - (iii) take the measures necessary to prevent further possible incidents or accidents;
  - (b) of a breach of any permit condition the operator must immediately—
    - (i) inform the Environment Agency, and
    - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
  - (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and

- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.4 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation..

4.3.5 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.

## **4.4 Interpretation**

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

# Schedule 1 – Operations

| Table S1.1 activities               |  |  |   |
|-------------------------------------|--|--|---|
| Activity reference                  | Activity listed in Schedule 1 of the EP Regulations  | Description of specified activity  | Limits of specified activity and waste types  |
| AR1                                 | <b>Section 1.2 Part (A)1(e)(i):</b><br><i>The loading, unloading, handling or storage of, or the physical or thermal treatment of crude oil.</i>   | Handling and processing of crude oil   | Unloading and storage of crude oil via the jetty and the storage of crude oil imported via the fixed pipeline   |
| AR2                                 | <b>Section 1.2 Part B(b):</b><br><i>The storage of petrol in stationary storage tanks at a terminal, or the loading or unloading at a terminal of petrol into or from road tankers, rail tankers or inland waterway vessels.</i> | The storage of petrol in stationary storage tanks at a terminal, or the loading or unloading at a terminal of petrol into or from road tankers, rail tankers or inland waterway vessels      | Import of petroleum via the fixed pipeline and rail and road tanker. Unloading, storage and distribution of petroleum via rail and road transport.  |
| AR3                                 | <b>Section 5.6 Part A(1)(a):</b><br><i>Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.</i>   | The temporary storage of up to 60,000 tonnes of hazardous waste in designated stationary tanks, including the loading and unloading of hazardous waste into or from inland waterway vessels. | Unloading of hazardous waste (crude oil/sea water emulsion as specified in Table S2.2 of this permit), from an inland waterway vessel berthed at the jetty, via a fixed pipeline, for temporary storage on site in dedicated tanks; prior to export for treatment off site. |
| <b>Directly associated activity</b> |  |  |   |
| AR4                                 | Vapour recovery unit   | Use of vapour recovery unit for abatement of volatile organic compounds  | From input of vapour feed stream to recovery of vapour as a liquid product and output of emissions via vent   |

| Table S1.2 Operating techniques   |  |  |
|---|--|--|
| Description   | Parts  | Date Received                                |
| Application NP3733LM  | The response to section 2 in the Application   | 01/09/06                                     |
| Application NP3733LM<br>Response to Schedule 4<br>Notice dated 18/12/2006 | Response to questions 1 to 5 detailing information for BAT for SO <sub>x</sub> , NO <sub>x</sub> and particulate emissions, Sour gas flaring and Stack emission sourced term data. | 11/01/07<br>21/03/07<br>01/05/07<br>22/05/07 |
| Application NP3733LM<br>Monitoring Data                                   | Annual emissions monitoring data for 2005 – 2007   | 23/04/07                                     |
| Application NP3733LM<br>BAT Boxes   | Information not provided in the permit was inputted by Petroplus   | 23/04/07                                     |
| Application NP3733LM<br>Control of liquid discharges                      | Procedure NT(P) 1704 provided.   | 07/08/07                                     |
| Application NP3733LM<br>Monitoring methods                                | For Air & Water  | 07/09/07<br>11/09/07                         |

| <b>Table S1.2 Operating techniques</b>  |   |                      |
|---|---|----------------------|
| <b>Description</b>  | <b>Parts</b>  | <b>Date Received</b> |
| Application<br>EPR/YP3031CC/V002  | Part C2 and C3 of the Application and supporting documentation.   | 21/08/13             |
| Application<br>EPR/YP3031CC/V002<br>Request for further information dated<br>11/09/13 | Email regarding testing of pipework.  | 12/09/13             |
| Application<br>EPR/YP3031CC/V002<br>Request for further information dated<br>11/09/13 | Email regarding emissions from recovery unit, floating roof tank specifications and training provision. | 13/09/13             |
| Application<br>EPR/YP3031CC/V002<br>Request for further information dated<br>23/09/13 | Email regarding back up for instrument air system and oil removal from interceptor.                     | 24/09/13             |
| Application<br>EPR/FP3433DX/V002  | Parts C2 and C3 of the Application and all supporting documentation                                     | 25/03/21             |

| <b>Table S1.3 Improvement programme requirements</b> |   |             |
|--|---|-------------|
| <b>Reference</b>                                     | <b>Requirement</b>  | <b>Date</b> |
| IC1  | <p>The Operator shall submit a written proposal to the Environment Agency to carry out testing to determine the performance of the vapour recovery unit to check it meets design criteria, including an assessment of VOC emission levels during operation. The proposal shall have regard to the requirements for vapour recovery units as outlined in 'Process Guidance Note 1/13 (04): Secretary of State's Guidance for Storage, Unloading and Loading Petrol at Terminals'. The proposal shall include a timetable for approval by the Environment Agency to carry out such tests and produce a report on the results.</p> <p>On receipt of written agreement by the Environment Agency to the proposal and the timetable, the Operator shall carry out the tests and submit a report on the results to the Environment Agency by the proposed date.</p> | Completed   |

## Schedule 2 – Waste types, raw materials and fuels

| Table S2.1 Raw materials and fuels |               |
|------------------------------------|---------------|
| Raw materials and fuel description | Specification |
| --                                 | --            |

| Table S2.2 Permitted waste types and quantities for temporary storage of hazardous wastes (activity reference AR3 in table S1.1 of this permit), as specified. |  |
|--|--|
| Maximum quantity   | Temporary storage of hazardous waste in tanks N2012FA, N2021FB, P154F and N2102FA, with a maximum aggregated storage capacity of 60,000 tonnes |
| Waste code   | Description  |
| <b>13</b>  | <b>Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)</b>   |
| 13 08  | oil wastes not otherwise specified   |
| 13 08 02*  | other emulsions  |



## Schedule 3 – Emissions and monitoring

| Emission point ref. & location | Source                            | Parameter   | Limit (including unit) | Reference period | Monitoring frequency | Monitoring standard or method |
|--------------------------------|-----------------------------------|---|------------------------|------------------|----------------------|-------------------------------|
| A3                             | Volatile Organic Compounds (VOCs) | Storage tanks (as per Appendix 2.1.3 of original application) | No limit set           | -                | Annual               | Calculated                    |
| A7                             | Volatile Organic Compounds (VOCs) | Vapour recovery unit (VRU)                                    | No limit set           | -                | -                    | -                             |

| Emission point ref. & location | Source        | Parameter        | Limit (incl. unit) | Reference Period | Monitoring frequency | Monitoring standard or method                    |
|--------------------------------|---------------|------------------|--------------------|------------------|----------------------|--|
| W2 - RRT to Saltholme beck     | API Separator | Visible oil      | -                  | Spot sample      | Weekly               | Visual   |
|                                |               | pH               | 5-9                | Spot sample      | Weekly               | As agreed in writing with the Environment Agency |
|                                |               | Suspended Solids | 60mg/l             | Spot sample      | Weekly               | As agreed in writing with the Environment Agency |
|                                |               | COD              | No limit set       | Spot sample      | Weekly               | As agreed in writing with the Environment Agency |
|                                |               | Total oil        | 50mg/l             | Spot sample      | Weekly               | As agreed in writing with the Environment Agency |

| Substance | Medium | Limit (including unit)             |
|-----------|--------|------------------------------------|
| Oil       | Water  | 3g / tonne of hydrocarbon movement |

## Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

| <b>Table S4.1 Reporting of monitoring data</b>   |   |                         |                      |
|--|---|-------------------------|----------------------|
| <b>Parameter</b>   | <b>Emission or monitoring point/reference</b> | <b>Reporting period</b> | <b>Period begins</b> |
| Emissions to air – Volatile Organic Compounds Parameters as required by condition 3.5.1. | A3  | Every 12 months         | 31/10/2007           |
| Emissions to water – Visible Oil Parameters as required by condition 3.5.1               | W2  | Every 6 months          | 31/10/2007           |
| Emissions to water – Suspended solids Parameters as required by condition 3.5.1          | W2  | Every 6 months          | 31/10/2007           |
| Emissions to water – Total Oil Parameters as required by condition 3.5.1                 | W2  | Every 6 months          | 31/10/2007           |
| Emissions to water – COD Parameters as required by condition 3.5.1                       | W2  | Every 6 months          | 31/10/2007           |
| Emissions to water – pH Parameters as required by condition 3.5.1                        | W2  | Every 6 months          | 31/10/2007           |
| Emissions - LDAR study   | --  | Every 12 months         | 31/10/2007           |

| <b>Table S4.2: Annual production/treatment</b> |              |
|--|--------------|
| <b>Parameter</b>                               | <b>Units</b> |
| --   | --           |

| <b>Table S4.3 Performance parameters</b>                     |                                |  |
|--|--------------------------------|--|
| <b>Parameter</b>   | <b>Frequency of assessment</b> | <b>Units</b>                                   |
| Total hydrocarbons movement                                  | Annually                       | tonnes   |
| Water usage  | Annually                       | m <sup>3</sup> / tonne of hydrocarbon movement |
| Energy usage (electrical)                                    | Annually                       | MWh / tonne hydrocarbon movement               |
| Total oil release to water per tonne of hydrocarbon movement | Annually                       | g oil / tonne hydrocarbon movement             |

| <b>Table S4.4 Reporting forms</b> |  |                                     |
|-----------------------------------|--|-------------------------------------|
| <b>Parameter</b>                  | <b>Reporting form</b>  | <b>Form version number and date</b> |
| Air – VOCs                        | Form Air 18 Report of VOC losses (following the Institute of Petroleum Protocol) | --                                  |
| Water usage                       | Form water usage 1 or other form as agreed in writing by the Environment Agency  | 01/10/2013                          |
| Energy usage                      | Form energy 1 or other form as agreed in writing by the Environment Agency       | 01/10/2013                          |
| Other performance indicators      | Form performance 1 or other form as agreed in writing by the Environment Agency  | 01/10/2013                          |

## Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

### Part A

|                                |  |
|--------------------------------|--|
| Permit Number                  |  |
| Name of operator               |  |
| Location of Facility           |  |
| Time and date of the detection |  |

|   |  |
|---|--|
| <b>(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution</b> |  |
| <b>To be notified within 24 hours of detection</b>  |  |
| Date and time of the event  |  |
| Reference or description of the location of the event   |  |
| Description of where any release into the environment took place  |  |
| Substances(s) potentially released  |  |
| Best estimate of the quantity or rate of release of substances  |  |
| Measures taken, or intended to be taken, to stop any emission   |  |
| Description of the failure or accident.   |  |

|   |  |
|---|--|
| <b>(b) Notification requirements for the breach of a limit</b>                      |  |
| <b>To be notified within 24 hours of detection unless otherwise specified below</b> |  |
| Emission point reference/ source  |  |
| Parameter(s)  |  |
| Limit   |  |
| Measured value and uncertainty  |  |
| Date and time of monitoring   |  |
| Measures taken, or intended to be taken, to stop the emission                       |  |

| <b>Time periods for notification following detection of a breach of a limit</b> |                            |
|---|----------------------------|
| <b>Parameter</b>  | <b>Notification period</b> |
|   |                            |
|   |                            |
|   |                            |

| <b>(c) Notification requirements for the breach of permit conditions not related to limits</b> |  |
|--|--|
| To be notified within 24 hours of detection  |  |
| Condition breached   |  |
| Date, time and duration of breach  |  |
| Details of the permit breach i.e. what happened including impacts observed.                    |  |
| Measures taken, or intended to be taken, to restore permit compliance.                         |  |

| <b>(d) Notification requirements for the detection of any significant adverse environmental effect</b> |  |
|--|--|
| To be notified within 24 hours of detection  |  |
| Description of where the effect on the environment was detected  |  |
| Substances(s) detected   |  |
| Concentrations of substances detected  |  |
| Date of monitoring/sampling  |  |

## Part B – to be submitted as soon as practicable

|  |  |
|--|--|
| Any more accurate information on the matters for notification under Part A.  |  |
| Measures taken, or intended to be taken, to prevent a recurrence of the incident   |  |
| Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission |  |
| The dates of any unauthorised emissions from the facility in the preceding 24 months.  |  |

|           |  |
|-----------|--|
| Name*     |  |
| Post      |  |
| Signature |  |
| Date      |  |

\* authorised to sign on behalf of the operator

## Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“disposal” means any of the operations provided for in Annex I to the Waste Framework Directive.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“recovery” means any of the operations provided for in Annex II to the Waste Framework Directive.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

“year” means calendar year ending 31 December.

## Schedule 7 – Site plan



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END OF PERMIT