



Environment  
Agency

# Permit with introductory note

**The Environmental Permitting (England & Wales) Regulations 2010**

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Wingas Storage UK Limited

Saltfleetby B Wellsite

Saddleback Road

Howdales

South Cockerington

Louth

LN11 7DJ

**Permit number**

EPR/DB3504XY

# Saltfleetby B Wellsite

## Permit number EPR/DB3504XY

### Introductory note

#### This introductory note does not form a part of the permit

The main features of the permit are as follows.

The permit is for the management of extractive mining waste and incineration of waste gas that arise during the commissioning of the well at Saltfleetby B Wellsite, Saddleback Road, Howdales, South Cockerington, Louth. The commissioning will involve flowing the well to remove any drilling fluids and debris which remained in the well when the drilling process was completed. It is necessary for the gas to be cleaned before it is flowed through the production facilities.

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

Status log of the permit		
Description	Date	Comments
Application EPR/DB3504XY/A001	Duly made 02/09/2015	Application for an environmental permit for the management of extractive mining waste and waste gas.
Additional information received	11/01/2016	Response to schedule 5 notice sent on 24/11/2015 requesting for further information on the proposed flare, proposed monitoring programme and amendments to the waste management plan.
Additional information received	03/03/2016	Further responses to Schedule 5 notice
		Revised Waste Management Plan (Version 3)
		Flare Appraisal and design (revision 2)
Additional information received	17/03/2016	Dispersion modelling assessment of the impact of gas flaring at Saltfleetby B well site on local air quality
Additional information received	23/03/2016	Air dispersion model data input files
Additional information received	21/04/2016	Further response to Schedule 5 notice
		Flaresim report with tip data
Additional information received	17/05/2016	Further response to Schedule 5 notice
		Technical Note : Well clean up procedure using a flare – TN001
Permit determined EPR/DB3504XY	03/10/2016	Permit issued to Wingas Storage UK Limited.

End of introductory note

# Permit

## The Environmental Permitting (England and Wales) Regulations 2010

### Permit number

**EPR/DB3504XY**

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

**Wingas Storage UK Limited** (“the operator”),

whose registered office is

#### **Building 3**

**Chiswick Business Park**

**566 Chiswick High Road**

**Chiswick**

**London**

**W4 5YA**

company registration number 00953066

to operate an installation at

#### **Saltfleetby B Well site**

**Saddleback Road**

**Howdales**

**South Cockerington**

**Louth**

**LN11 7DJ**

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

<b>Name</b>	<b>Date</b>
<b>Permitting Team Leader National Permitting Services</b>	<b>03/10/2016</b>

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 Avoidance, recovery and disposal of wastes produced by the activities

1.2.1 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.

1.2.2 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").

### 2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on 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 The operator shall review the waste management plan every five years from the date of initial approval.

## **2.4 Pre-operational conditions**

- 2.4.1 There shall be no incineration of hazardous extractive waste until the measures specified in PO1 of schedule 1 table S1.3 have been completed and the operator has received written approval from the Environment Agency.

# **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, S3.2 and S3.3.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

## **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 Schedule 3 table S3.1;
  - (b) ambient monitoring specified in Schedule 3 table S3.2
  - (c) process monitoring specified in Schedule 3 table S3.3
- 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.
- 3.5.3 The operator shall carry out:
- (a) regular calibration, at an appropriate frequency, of systems and equipment provided for carrying out any monitoring and measurements necessary to determine compliance with these rules; and
  - (b) regular checking, at an appropriate frequency, that such systems and equipment are serviceable and correctly used.
- 3.5.4 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.5 If required by the Environment Agency, the operator shall
- (a) take such samples and conduct such measurements, tests, surveys, analyses and calculations, including environmental measurements and assessments, at such times and using such methods and equipment as the Environment Agency may reasonably specify and
  - (b) keep samples, provide samples, or dispatch samples for tests at a laboratory, as the Environment Agency reasonably specifies, and ensure that the samples or residues thereof are collected from the laboratory within three months of receiving written confirmation that testing and repackaging in accordance with the relevant legislation are complete.
- 3.5.6 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2, and S3.3 unless otherwise agreed in writing by the Environment Agency.
- 3.5.7 The operator shall, prior to, or on commencement of flaring, and monthly thereafter; analyse the flare feed gas. The analysis shall include oxides of nitrogen, carbon monoxide, carbon dioxide, total volatile compounds (VOCs), benzene, toluene, ethylbenzene, M- and P- xylene, O- xylene, hydrogen sulphide, hydrocarbons C1 to C15. A report of this analysis shall be submitted to the Environment Agency within 28 days of completion of the analysis.

3.5.8 The operator shall by calculation determine the emissions of the substances identified in table S3.1, based on the most recent feed gas composition analysis, feed gas flow rate and design combustion efficiency of the flare.

## 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 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 S4.2; and using the forms specified schedule 4 table S4.2; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

### 4.3 Notifications

- 4.3.1 (a) In the event 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) in the event 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) in the event 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 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, 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 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 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:

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

In any other case:

- (e) the death of any of the named operators (where the operator consists of more than one named individual);
- (f) any change in the operator's name(s) or address(es); and
- (g) 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.

4.3.5 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.

- 4.3.6 Where the operator proposes to make an amendment to the approved waste management plan, which is not otherwise the subject of an application for approval under the Regulations or this permit:
- (h) the Environment Agency shall be notified at least 14 days before implementing the amended waste management plan in place of the original; and
  - (i) the notification shall contain a description of the proposed amendment.
- 4.3.7 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 - Reporting

Table S1.1 Activities		
Activity reference	Description of activities	Limits of activities and waste types
A1. Mining waste operation	A mining waste operation for the management of hazardous and non-hazardous extractive liquid waste and gas, resulting from the commissioning of a borehole.	<p>Permitted waste types shall conform to the description in the approved waste management plan.</p> <p>The storage of extractive waste is limited to temporary storage in secure containment as part of the collection and transportation of waste from site.</p> <p>The activities shall be limited to the following extractive waste types – natural waste gas, produced fluid/gas condensate, nitrogen and clean up fluid.</p> <p>The activities shall be limited to those described in the approved Waste Management Plan referenced WSUKL/SFB-7X/EA/WC/WMP-001 Revision 3 and dated 03/03/2016.</p>
A2 – Gas flare	Section 5.1 (a) The incineration of hazardous waste in a waste incineration plant or waste co-incineration plant with a capacity exceeding 10 tonnes per day as listed in schedule 1 section 5.1 (a) of the EP regulations	<p>Limited to flaring of waste gas that arises during the commissioning of a borehole using a shrouded ground flare.</p> <p>The procedure for operating the flare shall conform to that described in the Technical Note “Well clean up procedure using a flare – reference TN-001 and dated 17/05/2016.</p> <p>There shall be no venting except where it is necessary for safety reasons.</p>

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Site condition report WSUKL/SFB-7X/EA/SCR-001-Rev1	02/09/2016
Waste Management Plan	Waste Management Plan WSUKL/SFB-7X/EA/WC/WMP-001 Revision 3 including the following supplementary documents	03/03/2016
	Environmental Risk Assessment WSUKL/SFB-7X/EA/CP/ERA-001 Revision 2	03/03/2016
	Dispersion modelling assessment of the impact of gas flaring at Saltfleetby B well site on local air quality report 150826 Revision 2	29/02/2016
Flare appraisal and design	Revised Flare appraisal and design WSUKL/SFB-7X/EA/WC/FAD-001 rev2	03/03/2016
Well clean up procedure	Technical Note “Well clean up procedure using a flare – reference TN-001	17/05/2016
Response to Schedule 5 notice issued on 24/11/2015	Response to Schedule 5 notice issued on 24/11/2015	21/03/2016

**Table S1.3 Pre-operational measures**

PO 1	At least 4 weeks prior to commencement of the gas flaring activity, the Operator shall provide for approval a method for calculating the emissions from the flare as required by condition 3.5.8. and obtain the Environment Agency's written approval of the method.
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## **Schedule 2 - Waste types, raw materials and fuels**

The disposal or recovery of non-extractive wastes are not permitted activities and there are no restrictions on raw materials or fuels under this schedule.

## Schedule 3 – Emissions and monitoring

There are no emission limits or associated monitoring requirements

**Table S3.1 Point source emissions to air – emission limits and monitoring requirements**

Emission point and source	Parameter	Emission Limit (including unit)	Monitoring frequency	Monitoring standard or method
Gas flare as shown on site plan in Appendix 3 of the Revised Flare appraisal and design WSUKL/SFB-7X/EA/WC/FAD-001 rev2	Oxides of nitrogen	-	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	Carbon monoxide	-	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	Carbon dioxide	-	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	Total volatile organic compounds (VOCs)	-	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	Benzene	-	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	Toluene	-	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	Ethylbenzene	-	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	M- xylene	-	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	P- xylene	-	Monthly	As approved in writing with the Environment Agency in accordance with PO1

	O- xylene	-	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	Hydrogen sulphide	-	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	Hydrocarbons C1-C15	-	Monthly	As approved in writing with the Environment Agency in accordance with PO1

Note : certification to the MCERTS performance standards indicates compliance with BS EN 15267-3

**Table S3.2 Ambient air monitoring requirements**

<b>Location or description of point of measurement</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
Air quality monitoring locations on 4 locations as shown on commissioning monitoring site plan in Appendix 3 of Flare appraisal and design report WSUKL/SFB-7X/EA/WC/FAD-001 Rev 2	Oxides of Nitrogen	Weekly	Diffusion tubes as per BS EN 13528 (Parts 1-3 2002/3)	
Air quality monitoring locations on 4 locations as shown on commissioning monitoring site plan in Appendix 3 of Flare appraisal and design report WSUKL/SFB-7X/EA/WC/FAD-001 Rev 2	Sulphur Dioxide	Weekly	Diffusion tubes as per BS EN 13528 (Parts 1-3 2002/3)	
Air quality monitoring locations on 4 locations as shown on commissioning monitoring site plan in Appendix 3 of Flare appraisal and design report WSUKL/SFB-7X/EA/WC/FAD-001 Rev 2	Carbon monoxide	Weekly	Spot sampling	
Air quality monitoring locations on 4 locations as shown on commissioning monitoring site plan in Appendix 3 of Flare appraisal and design report WSUKL/SFB-7X/EA/WC/FAD-001 Rev 2	Methane	Weekly	Spot sampling	
Air quality monitoring locations on 4 locations as shown on commissioning monitoring site plan in Appendix 3 of Flare appraisal and design report WSUKL/SFB-7X/EA/WC/FAD-001 Rev 2	Non- methane volatile organic compounds	Weekly	ISO 16017; or EN 1466; or EN 13528	

Note : certification to the MCERTS performance standards indicates compliance with BS EN 15267-3



**Table S3.3 - Process monitoring requirements**

<b>Emission point reference or source or description of monitoring points</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
Gas flare	Flare gas feed rate 7667 Nm <sup>3</sup> /hour reference conditions 273K and 101.3 kPa	Continuous	As approved in writing with the Environment Agency.	N/A
Gas flare	Flare combustion temperature	Continuous	BS 1041-4:1992	N/A
Gas flare	Video feed with a screen time display of flare	Continuous while in operation	As approved in writing with the Environment Agency	N/A

## Schedule 4 - Reporting

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

**Table S4.1 Reporting of monitoring data**

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
The following emissions to air parameters as required by condition 3.5.1  Oxides of Nitrogen Carbon Monoxide Total volatile organic compounds including methane	Gas flare	Within 1 month of commencing flaring and then every month thereafter until cessation of flaring activities	Date of permit issue
Flare temperature	Gas flare	As required by the Environment Agency	Date of permit issue
Video feed of flare during operations	Gas flare	As required by the Environment Agency	Date of permit issue
Ambient air monitoring Parameters as required by condition 3.5.1	Air quality monitoring locations on 4 locations as shown on commissioning monitoring site plan in Appendix 3 of Flare appraisal and design report WSUKL/SFB-7X/EA/WC/FAD-001 Rev 2	Every 6 months	Date of permit issue

**Table S4.2 Reporting forms**

Media/parameter	Reporting format	Date of form
Air	Form Air1 or other form as agreed in writing by the Environment Agency	Date of permit issue

# 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	<b>EPR/DB3504XY</b>
Name of operator	<b>Wingas Storage UK Limited</b>
Location of Facility	<b>Saltfleetby B Wellsite Saddleback Road Howdales South Cockerington Louth LN11 7DJ</b>
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	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
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.	

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* 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.

“*Annex I*” means Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“*Annex II*” means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“*annually*” means once every year.

“*approved waste management plan*” means a plan of the type described in Article 5(1) of Directive 2006/21/EC of the European Parliament and of the Council of 15 March 2006 on the management of waste from extractive industries and amending Directive 2004/35/EC, approved as part of the grant or variation of an environmental permit and as revised from time to time.

“*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.

“*emissions to land*” includes emissions to groundwater.

“*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 or background concentration limit.

“*An enclosed ground flare*” means a flare made up of a series of burners that are located within an insulated and side enclosed structure so that there is no visible flare flame. Combustion is controlled and air is delivered either by natural draught or via air blowers.

“*EP Regulations*” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“*exploration*” means activities carried out to provide information about geological structures and the presence or absence of gas reserves together with assessments to determine whether the reservoir development is economically feasible.

“*extractive waste*” means waste resulting from the prospecting, extraction, treatment and storage of mineral resources and the working of quarries, excluding waste which does not directly result from these operations.

“*Flaring*” means a technique used where quantities of flammable gas are burnt in a controlled manner, without use or recovery of the heat generated. The gas flow is ignited under controlled conditions.

“*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.

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

*Million standard cubic feet per day (MMscfd)* Million standard cubic feet per day is a standard unit of measurement in the oil and gas industry, equivalent to 1180 Nm<sup>3</sup>/hr

“*prospecting*” means prospecting as defined by article 3(21) of the Mining Waste Directive as ‘the search for mineral deposits of economic value, including sampling, bulk sampling, drilling and trenching, but excluding any works required for the development of such deposits, and any activities directly associated with an extractive operation.

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

“*significant pollution*” means a category 1 or category 2 incident indicated by the Common Incident Classification Scheme (CICS).

“*year*” means calendar year ending 31 December.

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:

- (a) in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- (b) 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.

## Schedule 7 - Site plan



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END OF PERMIT

Permit Number: EPR/DB3504XY

Operator: Wingas Storage UK Limited

Facility : Saltfleetby B Wellsite

Form Number: Air103/10/2016

Reporting of emissions to air for the period from DD/MM/YYYY to DD/MM/YYYY

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result <sup>[1]</sup>	Test Method <sup>[2]</sup>	Sample Date and Times <sup>[3]</sup>	Uncertainty <sup>[4]</sup>
	Oxides of nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )						
	Carbon monoxide						
	VOC as Total Organic Carbon (TOC)						
	Flare temperature						

The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.

For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....  
(Authorised to sign as representative of Operator)

Date.....