

# Notice of variation and consolidation with introductory note

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

---

Kimmeridge Oil & Gas Limited

Broadford Bridge 1  
Wood Barn Farm  
Adversane Lane  
Broadford Bridge  
Billingshurst  
RH14 9ED

**Variation application number**

EPR/AB3806CG/V003

**Permit number**

EPR/AB3806CG

# Broadford Bridge 1

## Permit number EPR/AB3806CG

### Introductory note

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

The following notice gives notice of the variation of an environmental permit.

The permit has been varied at the request of the operator to proceed with flow testing of the Broadford Bridge 1 well. This includes the use of acidisation to clean the well bore and aid in flow testing operations. The method of this acid wash has been assessed and is considered to be de-minimus, resulting in no groundwater activity being included within the permit. Flaring of any produced gas as part of the well test has also been added.

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 EPR/AB3806CG/A001	Duly made 16/04/14	Application for mining waste permit.
Additional information received	11/06/14	Addendum
Permit determined	19/06/14	Permit issued to Celtique Energie Weald Limited
Application EPR/AB3806CG/V002	Duly made 10/01/17	Application to change Registered office address and Company name
Permit Determined	11/01/17	Permit issued to Kimmeridge Oil & Gas Limited of Suite 3b, Princes House, Jermyn Street, London, England, SW1Y 6DN
Application EPR/AB3806CG/V003	Duly made 21/02/17	Application for variation
Additional information received	29/05/17	Schedule 5 response
Additional information received	29/06/17	Addendum to BB -PR - Q19 Waste Management Plan
Variation determined	06/07/17	Variation granted to Kimmeridge Oil & Gas Limited

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/AB3806CG

#### Issued to

Kimmeridge Oil & Gas Limited (“the operator”)

whose registered office is

The Broadgate Tower  
8th Floor  
20 Primrose Street  
London  
England  
EC2A 2EW

company registration number **07055133**

to operate a regulated facility at

Broadford Bridge 1  
Wood Barn Farm  
Adversane Lane  
Broadford Bridge  
Billingshurst  
RH14 9ED

to the extent set out in the schedules.

This notice shall take effect from 06/07/2017

Name	Date
Oil & Gas Permitting Team Leader	06/07/2017

Authorised on behalf of the Environment Agency

## **Schedule 1**

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

## **Schedule 2 – consolidated permit**

Consolidated permit issued as a separate document.

## **Schedule 3 – amended plans**

Amended plan 1 and plan 2 attached

# Permit

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

### Permit number

EPR/AB3806CG

### Issued to

Kimmeridge Oil & Gas Limited (“the operator”)

whose registered office is

The Broadgate Tower  
8th Floor  
20 Primrose Street  
London  
England  
EC2A 2EW

company registration number **07055133**

to operate a regulated facility at

Broadford Bridge 1  
Wood Barn Farm  
Adversane Lane  
Broadford Bridge  
Billingshurst  
RH14 9ED

EPR/AB3806CG

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

Name	Date
Oil & Gas Permitting Team Leader	06/07/2017

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 1 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 The Well Testing activity A2 shall not be brought into operation until the measures specified in PO1 of schedule 1 table S1.3 have been completed.

# **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.
- 3.1.3 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;
- (b) surface water or groundwater specified in table S3.2;
- (c) process monitoring specified in 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 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 The operator shall by calculation determine the emissions of the substances identified in table S3.3 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 one 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.

4.2.3 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 S4.2; 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 The Environment Agency shall be notified without delay following the detection of:

- (a) 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) the breach of a limit specified in the permit; or
- (c) any significant adverse environmental effects.

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 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:

- (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.

4.3.5 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.

In any other case:

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

4.3.6 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:

- (a) the Environment Agency shall be notified at least 14 days before implementing the amended waste management plan in place of the original; and
- (b) the notification shall contain a description of the proposed amendment.

## 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 "without delay", in which case it may be provided by telephone.

# Schedule 1 – Operations

Table S1.1 activities		
Activity reference	Description of activities for waste operations	Limits of activities
A1 Borehole drilling	<p>The management of extractive waste from prospecting for mineral resources, not involving a waste facility.</p>	<p>Permitted waste types shall conform to the description in the approved waste management plan.</p> <p>The activities shall be limited to the following extractive waste types – non-hazardous water based drilling muds, hazardous drill cuttings, non-hazardous drill cuttings, non-hazardous excess cement.</p> <p>The activities shall be limited to those described in the approved Waste Management Plan BB-PR-Q19 Rev.2 dated 09 May 2017.</p> <p>Drilling additives shall be approved in writing by the Environment Agency prior to use.</p> <p>The activities shall be limited to waste arising from the prospecting for oil and/or gas, not including well stimulation.</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 the site.</p>
A2 Production testing	<p>The management of hazardous and non-hazardous extractive solid and liquid waste and gas, from prospecting for mineral resources not including a waste facility resulting from well testing</p> <p>The management of extractive waste generated by well abandonment.</p>	<p>The activities shall be limited to those described in the approved Waste Management Plan referenced BB-PR-Q10 revision 4 dated 29 May 2017.</p> <p>Permitted waste types shall conform to the description in the approved waste management plan.</p> <p>No more than 10 tonnes of gas shall be flared per day.</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 the site.</p>

<b>Table S1.1 activities</b>		
<b>Activity reference</b>	<b>Description of activities for waste operations</b>	<b>Limits of activities</b>
		There will be no reinjection of produced water.

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Original application	Hydrogeological Risk Assessment Site Layout Plan, 3261/BB/14 Rev C.	23/04/14
	Environmental Method Statement Amended, BB-PR-Q20 Rev 2, 09/05/2017. Site Condition Report Amended, BB-PR-Q21, Rev 2, 09/05/2017. Waste Management Plan Amended, BB-PR-Q19, Rev 2, 09/05/2017.	09/05/17
Variation application 003	Application forms; part C2 sections 3a and 3b. Emergency Response Plan, BB-PR-Q14, Rev. 1, 11/01/17 Management of Naturally Occurring Radioactive Material, BB-PR-Q12, Rev. 1, 16/12/16 Crisis Management Plan, BB-PR-Q09, Rev. 1, 04/01/17 Bridging Document, BB-PR-Q03, Rev. 1, 04/01/17	16/01/17
Response to Schedule 5 Notice dated 19/05/17	Waste Management Plan, BB-PR-Q10, Rev. 4, 29/05/17 Environmental Method Statement, BB-PR-Q08, Rev. 2, 26/05/17 Site Condition Report, BB-PR-Q04, Rev. 2, 25/05/17 Material Safety Data Sheet for Potassium Chloride, Protekt 318 and Protekt-15 Plus.	29/05/17

<b>Table S1.3 Pre-operational measures</b>	
<b>Reference</b>	<b>Pre-operational measures</b>
PO1	The operator shall provide for approval a method for calculating the emissions from the flare as required by condition 3.5.4, and obtain the Environment Agency's written approval to the method.

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

Non-extractive wastes are not accepted as part of the permitted activities and there are no restrictions on raw materials or fuels under this schedule.

## Schedule 3 – Emissions and monitoring

<b>Emission point ref. &amp; location</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
A2 Gas flare as shown in site plan 1 at location TQ 0904 2170	Oxides of Nitrogen (as NO <sub>2</sub> )	- (mg m <sup>-3</sup> )	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	Carbon monoxide	- (mg m <sup>-3</sup> )	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	Total volatile organic compounds (VOCs)	- (mg m <sup>-3</sup> )	Monthly	As approved in writing with the Environment Agency in accordance with PO1
	Methane concentration in flare feed gas	- (% v/v)	Continuous	As approved in writing with the Environment Agency
	Flare gas feed rate	- (m <sup>3</sup> )	Continuous	As approved in writing with the Environment Agency
	Flare combustion temperature	- °C	Continuous	BS1044-4:1992

<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>
Sample location 1 at grid reference TQ 0888 2185.	Type 1 (field testing) Temperature Dissolved Oxygen, Electrical Conductivity, pH, Redox Potential, Turbidity	See Table 4.1 Sampling Frequency, p.18 Site Condition Report, Rev2.	Environment Quality Standards	
Sample location 2 at grid reference TQ 0903 2153.				
Sample location 3 at grid reference TQ 0928 2173.	Type 2 (laboratory analyses) Ammoniacal			
Sample location 4 at grid reference TQ 0964 2157				

<b>Table S3.2 Surface water or groundwater monitoring requirements</b>				
<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>
	Nitrogen, Arsenic, Barium, Boron, Cadmium, Calcium, Chloride, Total Chromium, Copper, Lead, Magnesium, Mercury, Nickel, Potassium, Selenium, Sodium, Zinc, pH, PAH, EPH, GRO (BTEX) COD, TDS, Electrical Conductivity and Alkalinity.			

<b>Table S3.3 Process monitoring requirements</b>				
<b>Emission point reference or source or description of point of measurement</b>	<b>Parameter</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>	<b>Other specifications</b>
A2 Gas flare as shown in site plan 1 at location TQ 0904 2170	Flare gas feed rate	Continuous	As approved in writing with the Environment Agency	N/a
	Flare combustion temperature	Continuous	As approved in writing with Environment Agency and in accordance with BS1044-4:1992	N/a
	Video feed with 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.

<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>
The following emissions to air parameters as required by condition 3.5.1 - Oxides of nitrogen (as NO <sub>2</sub> ) - Carbon monoxide - Total volatile organic compounds (VOCs)	A1 Gas flare	Within 1 month of commencing flaring and then every month thereafter until cessation of flaring activities	Date of permit issue
Methane concentration in flare feed gas			
Flare temperature			
Flare gas feed			

<b>Table S4.2 Reporting forms</b>		
<b>Media/parameter</b>	<b>Reporting format</b>	<b>Date of form</b>
Air	Form air 1 or other form as agreed in writing by the Environment Agency	Date of agreement
Water and Land	Form water 1 or other form as agreed in writing by the Environment Agency	Date of agreement



# 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	

<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>	
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 detection of any significant adverse environmental effect</b>	
<b>To be notified within 24 hours of detection</b>	
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.

“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.

“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 or background concentration limit.

“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

“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.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

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

“mining waste facility” means a waste facility as defined in Article 3(15) 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, where a mining waste operation is carried out.

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

“year” means calendar year ending 31 December.

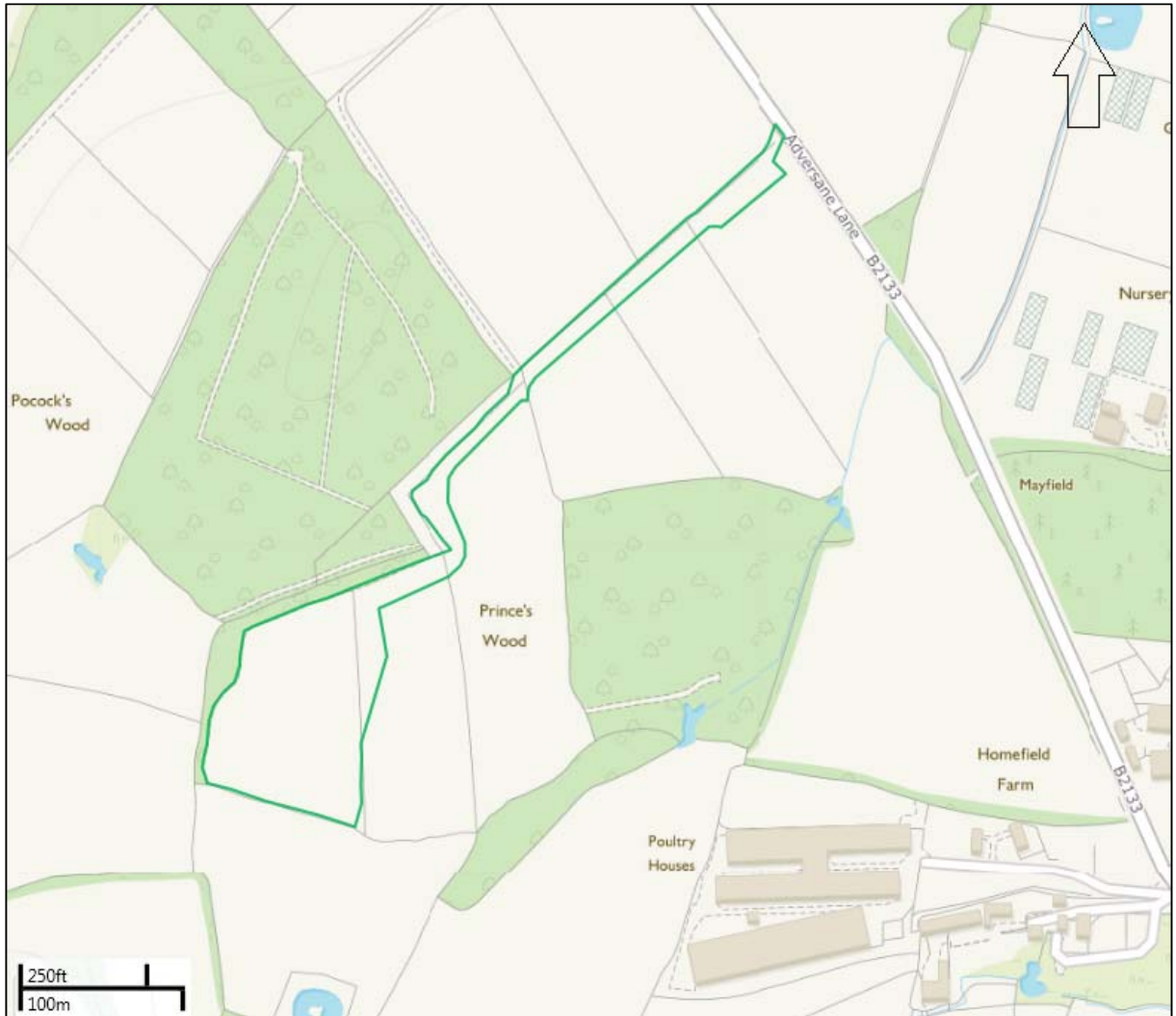
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- 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
- 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.

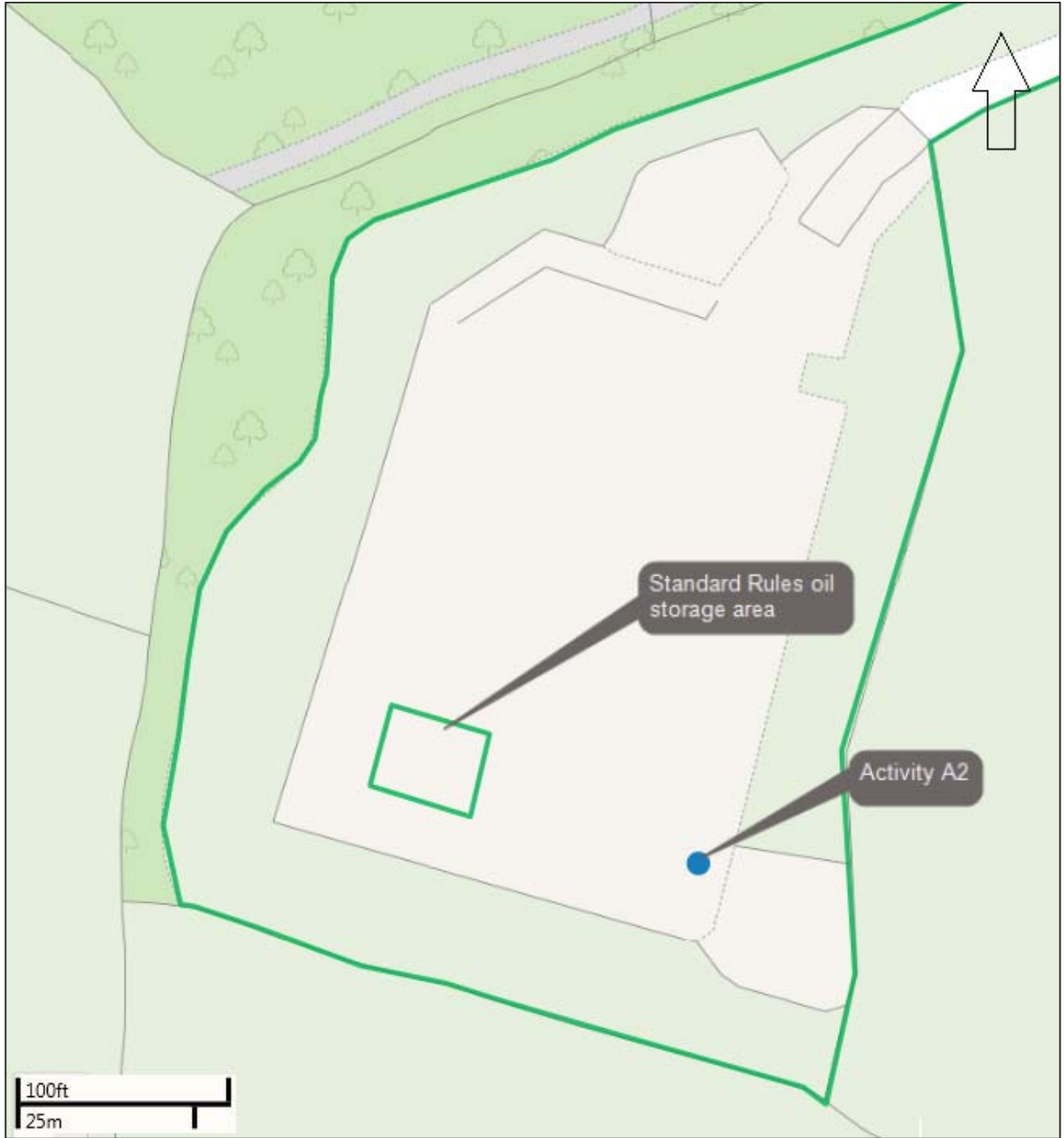
# Schedule 7 – Site plans

## Site plan 1



©Crown Copyright. All rights reserved. Environment Agency, 100024198, 2017.

# Site plan 2



©Crown Copyright. All rights reserved. Environment Agency, 100024198, 2017.

END OF PERMIT

**Permit Number: AB3806CG**

**Operator: Kimmeridge Oil & Gas Limited**

**Facility: Broadford Bridge 1**

**Form Number: Air1 / DD/MM/YY**

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

<b>Emission Point</b>	<b>Substance / Parameter</b>	<b>Emission Limit Value</b>	<b>Reference Period</b>	<b>Result <sup>[1]</sup></b>	<b>Test Method <sup>[2]</sup></b>	<b>Sample Date and Times <sup>[3]</sup></b>	<b>Uncertainty <sup>[4]</sup></b>

1. 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.
2. 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.
3. 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.
4. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed ..... Date.....

(Authorised to sign as representative of Operator)

**Permit Number: AB3806CG**

**Operator: Kimmeridge Oil & Gas Limited**

**Facility: Broadford Bridge 1**

**Form Number: Water1 / DD/MM/YY**

**Reporting of emissions to water (other than to sewer) and land 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>

1. 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.
2. 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.
3. 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.
4. The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Signed .....

Date.....

(Authorised to sign as representative of Operator)