

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Egdon Resources U.K. Limited

Biscathorpe Wellsite
Land off High Street
Biscathorpe
Lincolnshire
LN11 9RA

Permit number

EPR/DB3104UH

Biscathorpe Wellsite

Permit number EPR/DB3104UH

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The proposal includes the drilling of one exploratory borehole into the Carboniferous Westphalian A aged Basal Sand formation. In the event that the initial exploratory operations are successful, this will be followed by a production testing phase.

During the production testing phase, waste gas of less than 10 tonnes per day will be flared. The drilling operations at Biscathorpe will use water-based drilling fluids which are classified as non-hazardous to groundwater. The drilling fluids are circulated back via a closed loop system where the cuttings are separated into dedicated waste streams.

The permit therefore covers the management of extractive mining waste and the operation of an associated flare. The permit also covers well abandonment, site closure and restoration.

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/DB3104UH/A001 | Duly made 24/09/15 | Application for drilling one oil and gas exploratory borehole and production testing phase. |
| Additional information received in response to Schedule 5 notice dated 12/11/15 | 30/10/15 | Additional information about the proposed flare received. |
| Additional information received in response to Schedule 5 notice dated 12/11/15 | 30/03/16 | <ul style="list-style-type: none"> • Drilling products Exploratory Operations • Details of the proposed wellbore treatments • Confirmation of bunding specification and knock out pot drainage system • Specifications of the bath heater • Diagram of the well cellar construction • Specifications of the Geosynthetic Clay Liner |
| | 11/10/16 | <ul style="list-style-type: none"> • Additional design specifications of the proposed flare • Monitoring proposals for the proposed flare • Confirmation of the buildings present on site for air emissions impact assessment • Additional information regarding well pad design |
| | 31/10/16 | <ul style="list-style-type: none"> • Additional clarification regarding well pad design |

| Status log of the permit | | |
|---|-------------|--|
| Description | Date | Comments |
| Additional information received in response to Schedule 5 notice dated 28/10/16 | 14/11/16 | <ul style="list-style-type: none"> • Further information regarding the use of slag • Revised plan 3299(2) of the well cellar design and site construction detail • Details of the inspection and maintenance procedures for the protection of groundwater • Details of the rat / mouse hole construction |
| Additional information received in response to Schedule 5 notice dated 15/11/16 | 19/12/16 | <ul style="list-style-type: none"> • Additional design specifications, capacity and operational procedures for the proposed flare |
| Additional information received in response to Schedule 5 notice dated 15/11/16 | 16/05/17 | <ul style="list-style-type: none"> • Revised Waste Management Plan • Additional design and capacity specifications for the flare (Appendix 2 of the Waste Management Plan). |
| Additional information received in response to Schedule 5 notice dated 28/10/16 | 22/05/17 | <ul style="list-style-type: none"> • Revised plan 3299(2), revision B, dated January 2017 showing well cellar design and site construction detail |
| Additional information received | 07/06/17 | <ul style="list-style-type: none"> • Revised Waste Management Plan |
| Permit determined EPR/DB3104UH | 07/07/17 | Permit issued to Egdon Resources U.K. Limited. |

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/DB3104UH

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

Egdon Resources U.K. Limited (“the operator”),

whose registered office is

The Wheat House

98 High Street

Odiham

Hook

Hampshire

RG29 1LP

company registration number 03424561

to operate a mining waste operation at

Biscathorpe Wellsite

Land off High Street

Biscathorpe

Lincolnshire

LN11 9RA

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

| Name | Date |
|--|-------------------|
| Permitting Team Leader National Permitting Services | 07/07/2017 |

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.

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 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 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 activities shall not be brought into operation until the measures specified in 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 table S3.1.

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 table S3.1; and
 - (b) process monitoring specified in table 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.
- 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 conditions; 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 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 and S3.2 unless otherwise agreed in writing by the Environment Agency.
- 3.5.6 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.
- 3.5.7 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 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
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.3 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 removed from it during the previous quarter.

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 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:

- (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.

- 4.3.7 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 – Operations

| Table S1.1 Activities | | |
|--|--|---|
| Activity reference | Description of activities for waste operations | Limits of activities |
| AR1 Borehole drilling operation | <p>A mining waste operation for the management of non-hazardous extractive solid and liquid waste and gas, from prospecting for mineral resources, not involving a waste facility resulting from borehole drilling operation.</p> <p>The management of extractive waste generated by well abandonment.</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 - water based drilling muds, drill cuttings, excess solidified cement, formation water, clays and sand and natural gas.</p> <p>The activities shall be limited to those described in the approved Waste Management Plan HSE-EP-BISC-007 revision 1 – Waste Management Plan, Biscathorpe Drilling & Testing Operations, received 16/05/17.</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.</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> |
| AR2 Production testing | <p>A mining waste operation for the management of non-hazardous extractive liquid waste and gas, from prospecting for mineral resources not including a waste facility resulting from production testing operation</p> | <p>The activities shall be limited to those described in the approved Waste Management Plan referenced HSE-EP-BISC-007 revision 1 – Waste Management Plan, Biscathorpe Drilling & Testing Operations, received 16/05/17.</p> <p>Waste shall be stored for no more than three months in secure storage containers on site.</p> <p>Flaring of waste gas using an enclosed ground flare. No more than 10 tonnes of gas shall be fired per day.</p> <p>There shall be no re-injection of produced waters.</p> |

| Table S1.2 Operating techniques | | |
|--|--|--------------------------|
| Description | Parts | Date Received |
| Non Technical Summary | Non Technical Summary HSE-EP-BISC-001 | 03/09/15 |
| Waste Management Plan Exploratory Operations | Waste Management Plan HSE-EP-BISC-007 rev 1 including the following appendices: <ul style="list-style-type: none"> • Appendix 1 - Waste Management Plan Matrix • Appendix 3 - Incident Management Procedure • Appendix 4 - Reinstatement Operations | 07/06/17 |
| Site Condition Report | Site Condition Report HSE-EP-BISC-004 | 03/09/15 |
| Environmental Risk Assessment | Environmental Risk Assessment HSE-EP-BISC-006 | 03/09/15 |
| Conceptual Well Path | Conceptual Well Path HSE-EP-BISC-010 | 03/09/15 |
| Casing Schematic | Casing Schematic HSE-EP-BISC-009 | 03/09/15 |
| Well cellar design and site construction detail | Revised plan 3299(2), revision B, dated January 2017 | 22/05/17 |
| Flare Specification and Operation | Appendix 2 of the Waste Management Plan - Flare details | 07/06/17 |
| Environment Management and Monitoring Plan (EMMP) as approved under PO 1 | All | Date of approval of PO 1 |

| Table S1.3 Pre-operational measures | |
|--|---|
| PO 1 | <p>At least 4 weeks prior to commencement of the gas flaring activity the operator shall submit to the Environment Agency for approval a written Environmental Management and Monitoring Plan (EMMP) which will include, but is not limited to:</p> <ul style="list-style-type: none"> • details of the ambient air monitoring programme proposed for during and after the period of gas flaring; <p>and shall obtain the Environment Agency's written approval to the EMMP.</p> |
| PO 2 | <p>The Operator shall provide for approval a method for calculating the emissions from the flare as required by condition 3.5.7. and obtain the Environment Agency's written approval to the method.</p> |
| PO3 | <p>The Operator shall provide a specification of the slag proposed for use in the construction of the site to demonstrate that its properties are acceptable for use on the site and do not pose any potential risk of contamination.</p> <p>The Operator shall obtain the Environment Agency's written approval of the slag source and characteristics prior to use.</p> |

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 fuel under this schedule

Schedule 3 – Emissions and monitoring

| Emission point ref. & location | Parameter | Limit (including unit) | Monitoring frequency | Monitoring standard or method |
|---|---|-------------------------------|-----------------------------|---|
| A1 gas flare | Total volatile organic compounds (VOCs) | None set | Monthly by calculation | As approved in writing with the Environment Agency in accordance with PO2 |
| | Oxides of nitrogen | None set | Monthly by calculation | As approved in writing with the Environment Agency in accordance with PO2 |
| | Carbon monoxide | None set | Monthly by calculation | As approved in writing with the Environment Agency in accordance with PO2 |
| A2 Bath heater | No parameters set | None set | - | - |

| Emission point reference or source or description of point of measurement | Parameter | Monitoring frequency | Monitoring standard or method | Other specifications |
|--|---|---|---|-----------------------------|
| Hydrogen sulphide concentration in the flare gas feed | 5.7 mg/Nm ³ | Prior to or on commencement of flaring and monthly thereafter | As approved in writing with the Environment Agency | |
| Flare gas feed rate | 10 tonnes per day | Continuous | As approved in writing with the Environment Agency | |
| Flare combustion temperature | Minimum 800 °C | Continuous | As approved in writing with the Environment Agency | |
| Gas flare | Full analysis on feed gas including methane, low molecular weight organic suite, BTEX and hydrogen sulphide | Monthly | As approved in writing with the Environment Agency in accordance with PO2 | |

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 |
| <p>The following emissions to air parameters as required by condition 3.5.1</p> <p>Oxides of Nitrogen Carbon Monoxide Total volatile organic compounds including methane</p> | Gas flare | Within 1 month of commencing flaring and then every month thereafter until cessation of flaring activities | Date of permit issue |
| <p>The following process monitoring as required by condition 3.5.1</p> <p>Hydrogen sulphide concentration</p> <p>Flare gas feed rate</p> <p>Flare combustion temperature</p> <p>Full analysis on feed gas including methane, low molecular weight organic suite, BTEX and hydrogen sulphide</p> | Gas flare | As required by the Environment Agency | Date of permit issue |

| Table S4.2 Reporting forms | | |
|-----------------------------------|---|---------------------|
| Media/parameter | Reporting format | Date of form |
| Air | Form Air 1 or other form as agreed in writing by the Environment Agency | 07/07/17 |
| Other performance indicators | Form Performance 1 as agreed in writing by the Environment Agency | 07/07/17 |

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 | |

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

| | |
|---|--|
| (b) Notification requirements for the breach of a limit | |
| To be notified within 24 hours of detection unless otherwise specified below | |
| 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. | |

| | |
|------------------|--|
| 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.

“*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.

“*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.

“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.

“*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.

“*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.

“*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.

“*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.

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

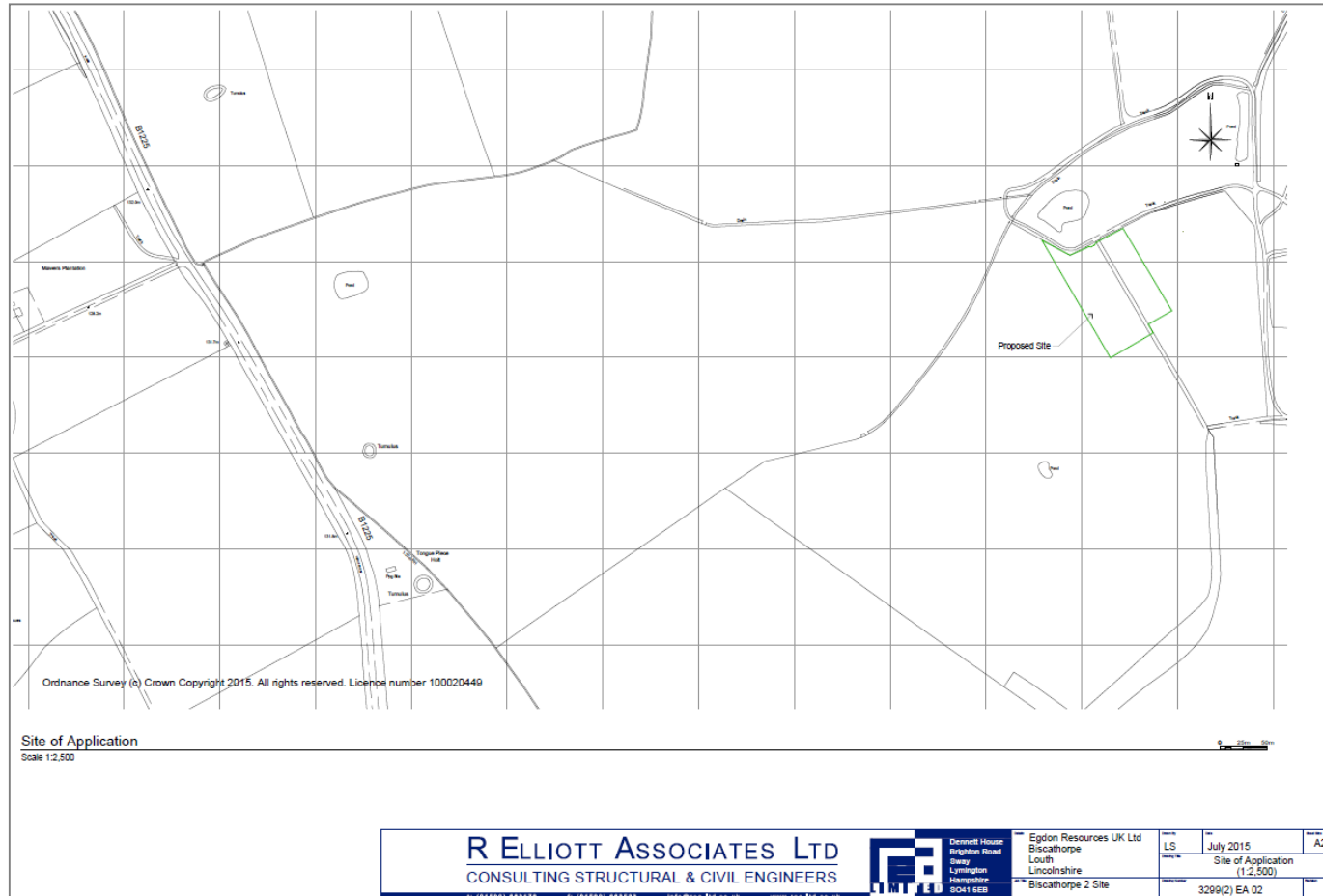
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

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/DB3104UH

Permit Number: EPR/DB3104UH Operator: Egdon Resources U.K. Limited
 Facility : Biscathorpe Wellsite Form Number: Air1 07/07/2017

Reporting of emissions to air for the period from dd/mm/year to dd/mm/year

| Emission Point | Substance / Parameter | Emission Limit Value | Reference Period | Result ^[1] | Test Method ^[2] | Sample Date and Times ^[3] | Uncertainty ^[4] |
|----------------|-----------------------------------|----------------------|------------------|-----------------------|----------------------------|--------------------------------------|----------------------------|
| A1 | VOC as Total Organic Carbon (TOC) | | | | | | |
| A1 | Oxides of nitrogen | | | | | | |
| A1 | Carbon monoxide | | | | | | |

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.....

Permit Number: EPR/DB3104UH **Operator:** Egdon Resources U.K. Limited
Facility : Biscathorpe Wellsite **Form Number:** Performance1 07/07/2017

Reporting of other performance indicators for the period DD/MM/YYYY to DD/MM/YYYY

| Parameter | Result | Unit |
|---|--------|------|
| Full analysis on feed gas including methane, low molecular weight organic suite, BTEX and hydrogen sulphide | | |
| Hydrogen sulphide concentration in the flare gas feed | | |
| Flare gas feed flow rate | | |
| Flare temperature | | |
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| | | |

Operator's comments

Signed.....

Date.....

(Authorised to sign as representative of Operator)