

# Permit with introductory note

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

---

UK Power Reserve Limited  
Queens Road Power Plant  
Queens Road  
Immingham  
North East Lincolnshire  
DN40 1QY

### **Permit number**

EPR/VP3032EZ

# Queens Road Power Plant

## Permit number EPR/VP3032EZ

### Introductory note

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

The main features of the permit are as follows: The facility is located on Queens Road approximately 2.5 km east of Immingham at grid reference TA 20267 14695. The site is bounded to the north by Queens Road, beyond which is further rough grassland; to the south by mature and semi-mature trees; to the east by an area of recently planted woodland and to the west by open rough grassland.

The proposed facility will consist of twelve Jenbacher JMS 616 natural gas spark ignition engines (or equivalent) with an aggregated thermal input of 67.27 MW. Natural gas will be utilised as the fuel source for the engines. The purpose of the engines is to prevent instability on the electricity grid by rapidly providing additional short term supply to meet peak demand or where there is a shortfall of available supply from other sources. The proposed installation of 12 engines will ensure that the contractual Short Term Operating Reserve (STOR) requirement for delivery of at least 90% of stated power export can be assured even with one engine offline and undergoing maintenance.

The main pollutants from the facility will be gaseous combustion products (Oxides of nitrogen and carbon monoxide). Emissions from the engines will be controlled by manual and automatic engine tuning for optimal combustion conditions. This will be supported by continual performance monitoring and maintenance in accordance with engine specifications.

There will be no process discharges to controlled waters or sewer. Uncontaminated surface water run-off will be directed to an off-site drain after passing through an oil interceptor.

All plant areas are surfaced to the appropriate standards for the activities within those areas. All liquid tanks, whose emissions to water or land could cause pollution, will be contained in adequate bunding constructed in line with industry best practice standards and sized to contain 110% of the contents of the largest tank or 25% of the total tankage within a bund, whichever is the larger. Materials used for surfacing of process areas and bunds are resistant to the materials they may come into contact with.

The Humber Estuary (*Special Area of Conservation, Special Protection Area, Ramsar and Site of Special Scientific Interest*) is located about 1.5 km from the Installation. There are also four non-statutory sites located within 2 km of the Installation. Assessment by the Environment Agency shows that emissions from activities undertaken at the Installation are unlikely to have a significant impact on the habitat sites.

The operator has an Environmental Management System that is compliant with BS EN 14001 but is not certified.

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/VP3032EZ/A001	Duly made 09/04/14	Application for a combustion facility.
Additional information received	04/06/14	Response to Schedule 5 notice on several aspects of the application.
Permit determined (billing reference VP3032EZ)	16/06/14	Permit issued to UK Power Reserve Limited

End of introductory note

# Permit

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

### Permit number

EPR/VP3032EZ

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

**UK Power Reserve Limited** ("the operator"),

whose registered office is

**Radcliffe House**

**Blenheim Court**

**Warwick Road**

**Solihull**

**West Midlands**

**B91 2AA**

company registration number 07385282

to operate an installation at

**Queens Road Power Plant**

**Queens Road**

**Immingham**

**North East Lincolnshire**

**DN40 1QY**

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

Name	Date
Thomas Ruffell	16/06/2014

Authorised on behalf of the Environment Agency

# Conditions

## 1 Management

### 1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
  - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

### 1.2 Energy efficiency

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

### 1.3 Efficient use of raw materials

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

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

- 1.4.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
  - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
  - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

## **2 Operations**

### **2.1 Permitted activities**

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

### **2.2 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 (a) 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.
- (b) 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.
- 2.3.2 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.3 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
- (b) the composition of the waste;
- (c) the handling requirements of the waste;
- (d) the hazardous property associated with the waste, if applicable; and
- (e) the waste code of the waste.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

### **2.4 Improvement programme**

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

### **2.5 Pre-operational conditions**

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4 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 and S3.2.
- 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 and S3.2;
- (b) 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 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 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.

## 4 Information

### 4.1 Records

4.1.1 All records required to be made by this permit shall:

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

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

### 4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.



- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
  - (b) the annual production/treatment data set out in schedule 4 table S4.2; and
  - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
  - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
  - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

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

4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

- (a) a decision by the Secretary of State not to re-certify the agreement;
- (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

## **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	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
A1	S1.1 A1 (a)	Burning any fuel in an appliance with a rated thermal input of 50 megawatts or more.	<p>From receipt of fuel (natural gas) from the National Grid to combustion with release of combustion products.</p> <p>Operation of combustion plant for no more than 500 hours per year or otherwise agreed in writing by the Environment Agency, solely for the purpose of providing electricity to the National Grid during peak demand periods as required under the Short Term Operating Reserve (STOR) consisting of:</p> <p>12 x 5.606 MW with a combined thermal input of 67.27 MW.</p>
	Directly Associated Activity		
Directly associated activity		Storage of fuel and raw materials	From receipt of fuel and raw materials to despatch for use within the facility, including all associated pipework, handling and transfer to and from storage tanks.
Directly associated activity		Surface water drainage	Handling and storage of site drainage until discharge to the site surface water system.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/VP3032EZ/A001	Queens Road Supporting Information Document in response to Part B2 and B3 of the Application Form.	09/04/14
Additional information	Response to Schedule 5 notice dated 21/05/14 – revised site plan, noise assessment, energy efficiency, location of oil interceptor, secondary containment.	04/06/14

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	<p>The operator shall provide a justification of the circumstances under which the facility may be BAT to operate spark ignition engines in the balancing market or other operating regimes for up to 1,500 hours. Parameters to consider should include:</p> <ul style="list-style-type: none"> <li>• Emissions to air and impact on human health</li> <li>• Energy efficiency</li> <li>• Cost-benefit assessment comparing alternative technologies</li> </ul> <p>The operator shall have regard to the requirements of the balancing market (e.g. start-up time requirements) and define a maximum run time.</p> <p>The Environment Agency shall use this information along with information from other industry and National Grid to determine generic BAT conditions under such operations.</p>	30/09/14
IC2	<p>Following the commissioning of the plant, the operator shall submit a report to the Environment Agency, detailing the outcome of the commissioning programme. The report shall include:</p> <ul style="list-style-type: none"> <li>• The confirmation of the energy efficiency information provided in the application and;</li> <li>• Identification of any changes to the operating techniques provided in the application</li> </ul>	Within 3 months of commissioning
IC3	<p>The operator shall submit a written report to the Environment Agency for approval, describing the results of the noise survey carried out at the site following the plant commissioning as proposed in the application. The report shall include confirmation of locations, time, frequency and method of monitoring employed during the noise survey.</p> <p>Following the submission of the above report, the operator shall submit proposals and timescales for the implementation of appropriate noise mitigation measures (if required) to ensure that site noise levels are not significantly above background levels. The proposals for noise mitigation shall be in accordance with the Technical Guidance Note IPPC H3 Part 2. The proposals shall be implemented by the operator from the date of approval in writing by the Environment Agency subject to any amendments or additions as notified by the Environment Agency.</p>	<p>2 months following commissioning</p> <p>3 months following commissioning</p>

Table S1.4 Pre-operational measures	
Reference	Pre-operational measures
POC1	<p>At least four weeks (or any other date as agreed with the Environment Agency) prior to the start of operation, the operator shall ensure that a review of the design, method of construction and integrity of the proposed secondary containment for the oil storage tanks is carried out by a qualified structural engineer.</p> <p>The review shall compare the proposed secondary containment against the standards set out in Sector Guidance Note EPR 1.01 – <i>Combustion Activities</i>, How to Comply and the Control of Pollution (Oil Storage) (England) Regulations 2001. No site operations shall commence at the facility unless the Environment Agency has given prior written permission under this condition.</p>
POC2	<p>At least four weeks (or any other date as agreed with the Environment Agency) prior to the start of operation, the operator shall submit a report demonstrating that all oil storage tanks, pipework and secondary containment have been leak-tested. No site operations shall commence at the facility unless the Environment Agency has given prior written permission under this condition.</p>

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

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Lubrication oil	Operational use only.
Natural gas	Operational use only.

## Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
Point A1a, A1b, A1c, A1d on Drawing No. 22 dated 04/06/14 [Note 1]	No parameter set	Spark ignition engine exhausts 1 to 4	No limit set	--	--	As described in Application
Point A2a, A2b, A2c, A2d on Drawing No. 22 dated 04/06/14 [Note 1]	No parameter set	Spark ignition engine exhausts 5 to 8	No limit set	--	--	As described in Application
Point A3a, A3b, A3c, A3d on Drawing No. 22 dated 04/06/14 [Note 1]	No parameter set	Spark ignition engine exhausts 9 to 12	No limit set	--	--	As described in Application
Vents from storage tanks 1 and 2	No parameters set	Oil storage tanks 1 and 2	No limit set	--	--	--
Note 1: Each combustion plant consists of 4 engines with individual flues and has one common stack.						

Table S3.2 Point source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
W1 on site plan in schedule 7 emission to off-site drain	Oil or grease	Uncontaminated site surface water	No visible oil or grease	--	--	--

**Table S3.3 Process 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>
Jenbacher spark ignition gas engines or equivalent	Gas flow rate	As described in Application	In accordance with engine specification	--
	Gas delivery system pressure			
	Cylinder temperature/pressure			
	Oil temperature/pressure			

## 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
Emissions to water Parameters as required by condition 3.5.1	W1	Every 6 months	1 July
Process monitoring Parameters as required by condition 3.5.1	Jenbacher spark ignition engines or equivalent	Every 6 months	1 July

Table S4.2 Annual production/treatment	
Parameter	Units
Electricity export	MWh

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes
Gas engine operating hours	Every 6 months	Total hours, total number of runs, duration of longest run and number of runs >2 hours duration

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	16/06/14
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	16/06/14
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	16/06/14
Gas engine operating hours	Form air – engine operating hours or other form as agreed in writing by the Environment Agency	16/06/14



## 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 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.

“*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.

“*calendar monthly mean*” means the value across a calendar month of all validated hourly means.

“*Combustion Technical Guidance Note*” means IPPC Sector Guidance Note Combustion Activities, version 2.03 dated 27th July 2005 published by Environment Agency.

“*disposal*” means any of the operations provided for in Annex IIA to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

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

“*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.

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

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

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

“*large combustion plant*” or “*LCP*” is a combustion plant or group of combustion plants (over 15 MWth each) discharging waste gases through a common windshield or stack, where the total thermal input is 50 MWth or more, based on gross calorific value.

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

“*Natural gas*” means naturally occurring methane with no more than 20% by volume of inert or other constituents.

“*operational hours*” are whole hours commencing from the first unit ending start-up and ending when the last unit commences shut-down.

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

“*recovery*” means any of the operations provided for in Annex IIB to Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on Waste.

“*SI*” means site inspector

“*WFD*” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste

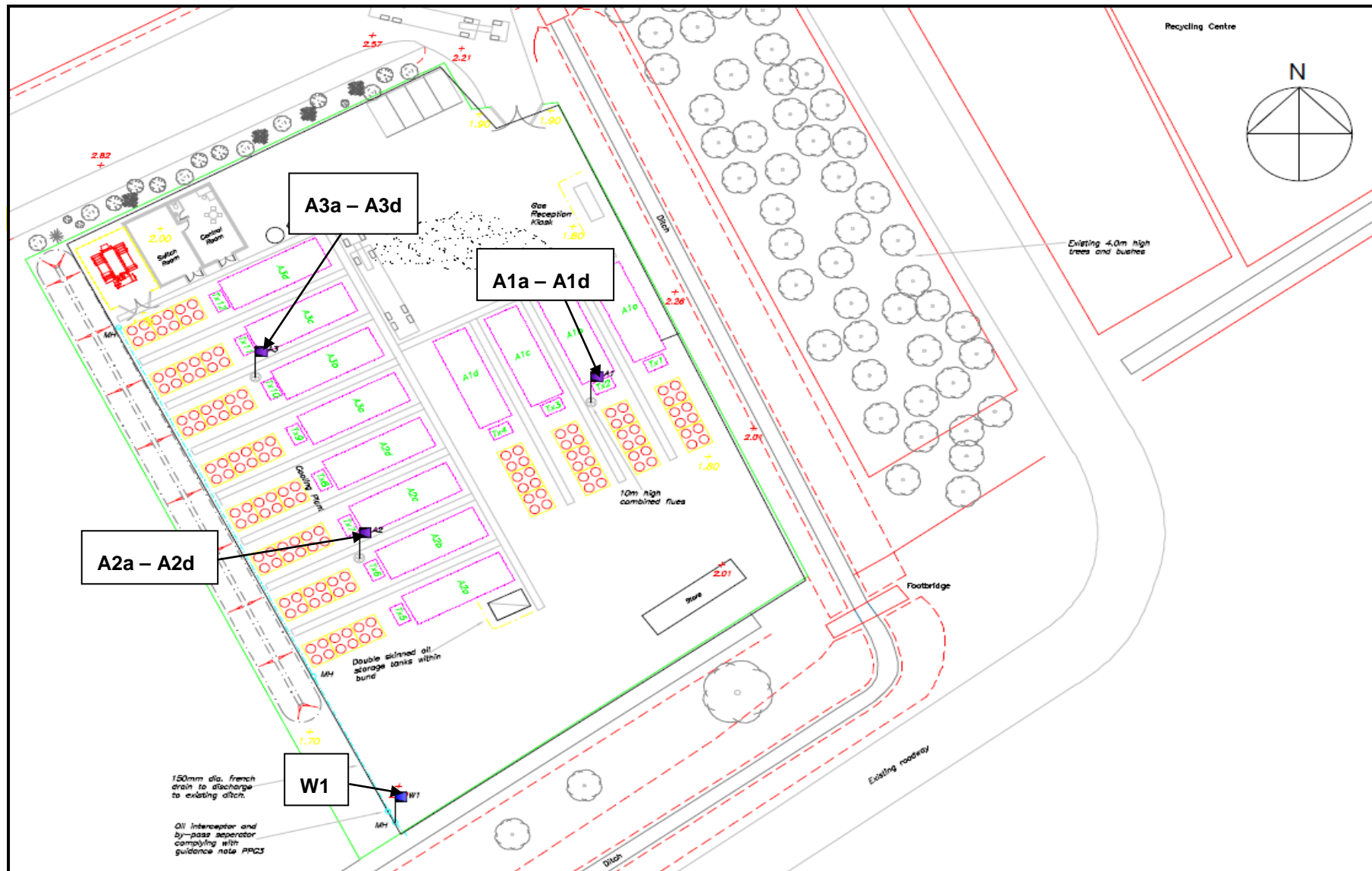
“*year*” means calendar year ending 31 December.

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 plan



**“©Crown Copyright. All rights reserved. Environment Agency, 100026380, 2014.”**

END OF PERMIT

Permit Number: EPR/VP3032EZ

Operator: UK Power Reserve Limited

Facility: Queens Road Power Plant

Form Number: Water usage1 / 16/06/14

Reporting of Water Usage for the year \_\_\_\_\_

Water Source	Usage (m <sup>3</sup> /year)	Specific Usage (m <sup>3</sup> /unit output)
Mains water		
Site borehole		
River abstraction		
TOTAL WATER USAGE		

Operator's comments:

Signed .....  
(authorised to sign as representative of operator)

Date.....

Permit Number: EPR/VP3032EZ

Operator: UK Power Reserve Limited

Facility: Queens Road Power Plant

Form Number: Energy usage1 / 16/06/14

**Reporting of Energy Usage for the year \_\_\_\_\_**

Energy Source	Energy Usage		Specific Usage (MWh/unit output)
	Quantity	Primary Energy (MWh)	
Electricity *	MWh		
Natural Gas	MWh		
Gas Oil	m <sup>3</sup> or tonnes		
TOTAL	-		

\* Conversion factor for delivered electricity to primary energy = 2.4

Operator's comments:

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

Date.....



Permit Number: EPR/VP3032EZ

Operator: UK Power Reserve Limited

Facility: Queens Road Power Plant

Form Number: Performance1 / 16/06/14

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

Parameter	Units
Raw material usage	tonnes or m <sup>3</sup>

Operator's comments:

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

Date.....

# Form air – engine operating hours\_#1

Operator: UK Power Reserve Limited  
Permit number: EPR/VP3032EZ/A001

Site Location: Immingham, North East Lincolnshire

## Queens Road Power Plant Running Report 6-monthly Period DD/MMM/YYYY to DD/MMM/YYYY

Number of Runs						If Percentage figure is above 10% This sheet will need sending to the EA	Total hours for year	
Percentage of runs above 2 hours								
Total Station Running Hours (6-monthly)							A1a	
A1a Total Running Hours (6-monthly)							A1b	
A1b Total Running Hours (6-monthly)						A1c		
A1c Total Running Hours (6-monthly)						A1d		
A1d Total Running Hours (6-monthly)								
Reasons For Run								
Date	Start Time	A1a Duration	A1b Duration	A1c Duration	A1d Duration	STOR Contract	Additional Information	
Bi-annual totals								

Signed on behalf of the operator.....

Date.....

Form air – engine operating hours 16/06/14

# Form air – engine operating hours\_#2

Operator: UK Power Reserve Limited  
Permit number: EPR/VP3032EZ/A001

Site Location: Immingham, North East Lincolnshire

## Queens Road Power Plant Running Report 6-monthly Period DD/MMM/YYYY to DD/MMM/YYYY

Number of Runs						If Percentage figure is above 10% This sheet will need sending to the EA	Total hours for year	
Percentage of runs above 2 hours								
Total Station Running Hours (6-monthly)							A2a	
A2a Total Running Hours (6-monthly)							A2b	
A2b Total Running Hours (6-monthly)							A2c	
A2c Total Running Hours (6-monthly)							A2d	
A2d Total Running Hours (6-monthly)								
Reasons For Run								
Date	Start Time	A2a Duration	A2b Duration	A2c Duration	A2d Duration	STOR Contract	Additional Information	
Bi-annual totals								

Signed on behalf of the operator.....

Date.....

Form air – engine operating hours 16/06/14

Operator: UK Power Reserve Limited  
Permit number: EPR/VP3032EZ/A001

Permit number: EPR/VP3032EZ/A001

## Queens Road Power Plant Running Report

### 6-monthly Period DD/MM/YY to DD/MM/YY

Number of Runs							If Percentage figure is above 10% This sheet will need sending to the EA		Total hours for year		
Percentage of runs above 2 hours											
Total Station Running Hours (6-monthly)									A3a		
A3a Total Running Hours (6-monthly)									A3b		
A3b Total Running Hours (6-monthly)									A3c		
A3c Total Running Hours (6-monthly)									A3d		
A3d Total Running Hours (6-monthly)											
						Reasons For Run					
Date	Start Time	A3a Duration	A3b Duration	A3c Duration	A3d Duration	STOR Contract	Additional Information				
Bi-annual totals											

Date.....

Form air – engine operating hours 16/06/14