

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Global Switch Limited

London North and London East Data Centres

London North Data Centre
240 East India Dock Road
London
E14 9YY

London East Data Centre
3 Nutmeg Lane
London
E14 2AX

Permit number

EPR/BP3530YR

London North and London East Data Centres

Permit number EPR/BP3530YR

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The permit is for the operation of a combination of Diesel Rotary Uninterruptable Power Supply (DRUPS) units and diesel generators, to provide backup power generation to two neighbouring data centres in the event of National Grid failure and planned maintenance. The facility is located in the Poplar area of London and the campus is centred on National Grid Reference TQ 3858 8099.

Electrical power is provided to the data centres from the National Grid. However, in the event of a failure in the electrical supply, the operator will utilise standby DRUP units to maintain operational resilience. Furthermore, the DRUPS can be employed as providers of a scheme known as Frequency Control by Demand Management (FCDM) This would mean occasionally running the DRUPS units to support the site in response to frequency dips in the electricity supply. This would reduce demand on the national grid and likely prevent outages to the surrounding area. As the plant will operate FCDM improvement condition IC2 has been set to ensure that the generators will comply with a 190mg/m³ emission limit for oxides of nitrogen from 30/11/20. Should the Operator decide that during the period between the permit issue date and the end date of IC2, 30/11/20 they wish to cease operating FCDM then that is their choice.

The data centres are known as London North and London East.

London North has a total of 6 diesel generators and 3 DRUPS units. The total thermal capacity of this installation is 32 MWth. Fuel for these engines is stored in underground tanks to the north of the Data Centre building (90,000 litres) as well as within tanks internal to the building on level 1 (72,000 litres).

London East has a total of 37 DRUPS units with a total thermal capacity of 159 MWth. These units are grouped into four power stations named B, C, D and H1. Fuel for these units is stored underground to the north of the Data Centre building (480,000 litres).

The two buildings are only separated by a private road and are considered to be part of a single site. Where 2 or more appliances with an aggregated thermal input of 50MW are operated on the same site by the same operator they must be treated as a single appliance. We therefore consider that this is a single installation undertaking an activity within section 1.1 A(1) of schedule 1 EPR - burning any fuel in an appliance with a rated thermal input of 50 or more MW. The installation provides a total aggregated thermal input of 191 MWth. Additionally there are four gas powered boilers in London North that only provide heating and hot water to the building. These are all less than 1MWth and are therefore not covered by this Permit. They are not required to provide back-up power to the data centre.

The site is located in close proximity to the River Thames which has been designated as a Marine Nature Reserve. There are no source protection zones or groundwater protection zones in the vicinity of the site. There will be no process effluent discharge from the installation. Uncontaminated water from roof and hard standing run off will drain via a below ground surface water drainage system.

The installation will operate an Environment Management System in line with the requirements of ISO 14001.

There is one Special Area of Conservation (SAC), one Special protection Area (SPA) within 10km of the installation and 17 local wildlife sites (LWS) located within 2km of the installation.

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 received EPR/BP3530YR/A001	Duly made 06/11/2017	Application to operate standby diesel generators in the event of National Grid failure and maintenance activities.
Response to Schedule 5 Notice dated, 07/12/2017	21/12/2017	Clarification on worst case operational events and modelling scenarios and model input assumptions, etc.
Additional information received	10/05/2018	Revised Air Dispersion Modelling Report.
Additional information received	18/01/2019	Clarification of FCDM Operations.
Permit determined EPR/BP3530YR (Billing ref: BP3530YR)	25/06/2019	Permit issued to Global Switch Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/BP3530YR

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

Global Switch Limited (“the operator”),

whose registered office is

4th Floor Milbank Tower

21-24 Milbank

London

SW1P 4QP

company registration number **06238341**

to operate an installation at

London North and London East Data Centres

London North Data Centre

240 East India Dock Road

London

E14 9YY

London East Data Centre

3 Nutmeg Lane

London

E14 2AX

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

Name	Date
Daniel Timney	25/6/2019

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 pink on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 The activities AR1, referenced in Schedule 1, Table S1.1 shall not operate for more than 500 hours per year in total.

2.4 Improvement programme

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

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

3.1.3 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; and
 - (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.

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 S4.2 using the forms specified in table S4.3 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 S4.3; 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 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 (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 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.

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

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

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

4.4 Interpretation

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

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

Schedule 1 – Operations

Table S1.1 activities			
Activity Reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
AR 1	Section 1.1 A(1) (a): Burning any fuel in an appliance with a rated thermal input of 50 megawatts or more	Operation of emergency standby generators burning diesel for the purpose of providing electricity to the installation in the event of a failure of supply from the National Grid comprising; 6 x standby diesel generators and 3 x DRUPS located in London North Data Centre and 37 x DRUPS located in East London Data Centre, with a total combined thermal input of 191 MWth.	From receipt of raw materials and generation of electricity to despatch of products and waste. Electricity produced at the installation cannot be exported to the National Grid. Generation must stop as soon as the Nation Grid has restored a stable supply.
Directly Associated Activity			
AR2	Directly associated activity	Gas oil storage	From receipt of raw materials to dispatch for use including all associated pipework, handling and transfer to and from storage tanks.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/BP3530YR/A001	Part B3 and the referenced supporting information. Further information regarding amended modelling and associated modelling files (email dated 16/02/2018)	Duly Made 06/11/2017
Response to Schedule 5 Notice, dated 07/12/2018	Clarification on worst case operational events and modelling scenarios and model input assumptions, etc.	21/12/2017
Additional information received	Revised Air Dispersion Modelling Report.	10/05/2018

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The operator shall produce an Air Quality Management Plan outlining the response measures to be taken in the event of a grid failure, including FCDM operation. This should include but not be limited to the following considerations: <ul style="list-style-type: none"> • Regard for the pressures on the local Air Quality Management Area, including liaison with the Local Authority. • Regard for the predicted potential impact indicated by the air dispersion modelling at individual receptors; • Specific timescales for response measures; 	Within 6 months of permit issue

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<ul style="list-style-type: none"> • Regard for how local conditions during a grid failure might influence the response required, for example meteorological conditions or time of day; • Contingency for how the response will be carried out in the event scenario i.e. loss of power; and • Timescales for continued review of the management plan. <p>The Air Quality Management Plan shall be submitted to the Environment Agency for approval prior to implementation.</p>	
IC2	<p>Submit a written plan to the Environment Agency for technical assessment and approval. The plan must contain the measures to comply with an emission limit of 190mg/m³ for oxides of nitrogen for all engines which will operate Frequency Control by Demand Management after 30/11/20. The operator shall undertake a full appraisal, including cost/benefit analysis, of the practicable, technical and economic feasibility of reducing aerial emissions by such means as installing selective catalytic reduction (SCR), increasing the emission point stack heights to improve dispersion of pollutants or other such techniques. Where development is identified to be practicable, as well as technically and economically feasible; the report shall contain a schedule of works, with timescales for completion.</p> <p>The notification requirements of condition 2.4.2 will be deemed to have been complied with on submission of the plan.</p> <p>You must implement the plan as approved , and from the date stipulated by the Environment Agency</p>	<p>Submission of Plan 30/11/2019</p> <p>Implementation of Plan 30/11/2020</p>
IC3	<p>The operator shall undertake a site drainage survey of sub-surface drainage systems within the installation boundary and provide a report to establish the integrity of the systems and demonstrate that the risk of fugitive emissions from the installation is minimised.</p> <p>Where the requirement for improvements is identified, the report shall include a schedule of works for the proposed improvements with timescales for completion.</p> <p>Completion of the survey shall also establish the location(s) where discharge of site drainage from the site enters the combined sewer, as required by Table S3.2, and confirm if any abatement (such as interceptors) is afforded to the discharge.</p>	<p>Within 12 months of permit issue</p>

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Gas oil	Not exceeding 0.1% w/w sulphur content

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 to A6 [as shown on the site plan Emission Points & labelled as Source 1 – 6 in application document EPR/BP3530YR/A001	Combustion gases from Broadcrown generators (1–6) in Data Centre London North	---	No limits set	---	---	No permanent sampling access required
A7 to A9 [as shown on the site plan Emission Points & labelled as Source 7 – 9 in application document EPR/BP3530YR/A001	Combustion gases from Caterpillar DRUPS (1–3) in Data Centre London North	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set unless the plant operates in FCDM mode after 30/11/2020 in which case an emission limit of 190mg/Nm ³ applies to all operations	---	Annually	BS EN 14792
A10 to A19 [as shown on the site plan Emission Points & labelled as Source 10 – 19 in application document EPR/BP3530YR/A001	Combustion gases from Eurodiesel DRUPS (1-10) Power Station “B” in Data Centre London East	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set unless the plant operates in FCDM mode after 30/11/2020 in which case an emission limit of 190mg/Nm ³ applies to all operations	---	Annually	BS EN 14792

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A20 to A29 [as shown on the site plan Emission Points & labelled as Source 20 – 29 in application document EPR/BP3530YR/A001	Combustion gases from Eurodiesel DRUPS (1-10) Power Station “C” in Data Centre London East	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set unless the plant operates in FCDM mode after 30/11/2020 in which case an emission limit of 190mg/Nm ³ applies to all operations	---	Annually	BS EN 14792
A30 to A35 [as shown on the site plan Emission Points & labelled as Source 30 – 35 in application document EPR/BP3530YR/A001	Combustion gases from Eurodiesel DRUPS (1-6) Power Station “D” in Data Centre London East	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	No limit set unless the plant operates in FCDM mode after 30/11/2020 in which case an emission limit of 190mg/Nm ³ applies to all operations	---	Annually	BS EN 14792
A36 to A46 [as shown on the site plan Emission Points & labelled as Source 36 – 46 in application document EPR/BP3530YR/A001	Combustion gases from Hitzinger DRUPS (1-11) Power Station “H1” in Data Centre London East	---	No limits set	---	---	No permanent sampling access required

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site—emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
Emission to Sewer [as shown on the site plan 'Building External Drainage Layout' in application EPR/BP3530YR/A001]	Uncontaminated surface water from oil storage areas	No parameters set	No limits set	---	---	---

Table S3.3 Process monitoring requirements				
Emission point ref. or source or description	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Emergency diesel generators	Hours of operation	Continuous	Not applicable	None

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
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Table S4.2 Performance parameters		
Parameter	Frequency of assessment	Units
Gas oil usage	Annually	Tonnes
Generator operation for maintenance	Annually	Total hours for the site (hours), Total hours per generator (hours), Total number of runs per generator (quantity) Number of minutes per run (minutes)
Generator operation during emergency scenario	Within 24 hours if operation commences	Date and time of grid failure, Number of generators operating immediately after the failure, Number of generators operating two hours after failure, Anticipated duration of the mains supply failure (hours)
Generator operation during FCDM scenario	Within 24 hours if operation commences	Date and time of grid failure, Number of generators operating immediately after the failure, Number of generators operating two hours after failure, Anticipated duration of the mains supply failure (hours)

Table S4.3 Reporting forms		
Media/parameter	Reporting format	Date of form
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	15/07/2018
Generator operation during emergency scenario	Form 'emergency scenario' or other form as agreed in writing by the Environment Agency	15/07/2018

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	

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

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

“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.

“FCDM” means Frequency Control by Demand Management

“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.

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

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.

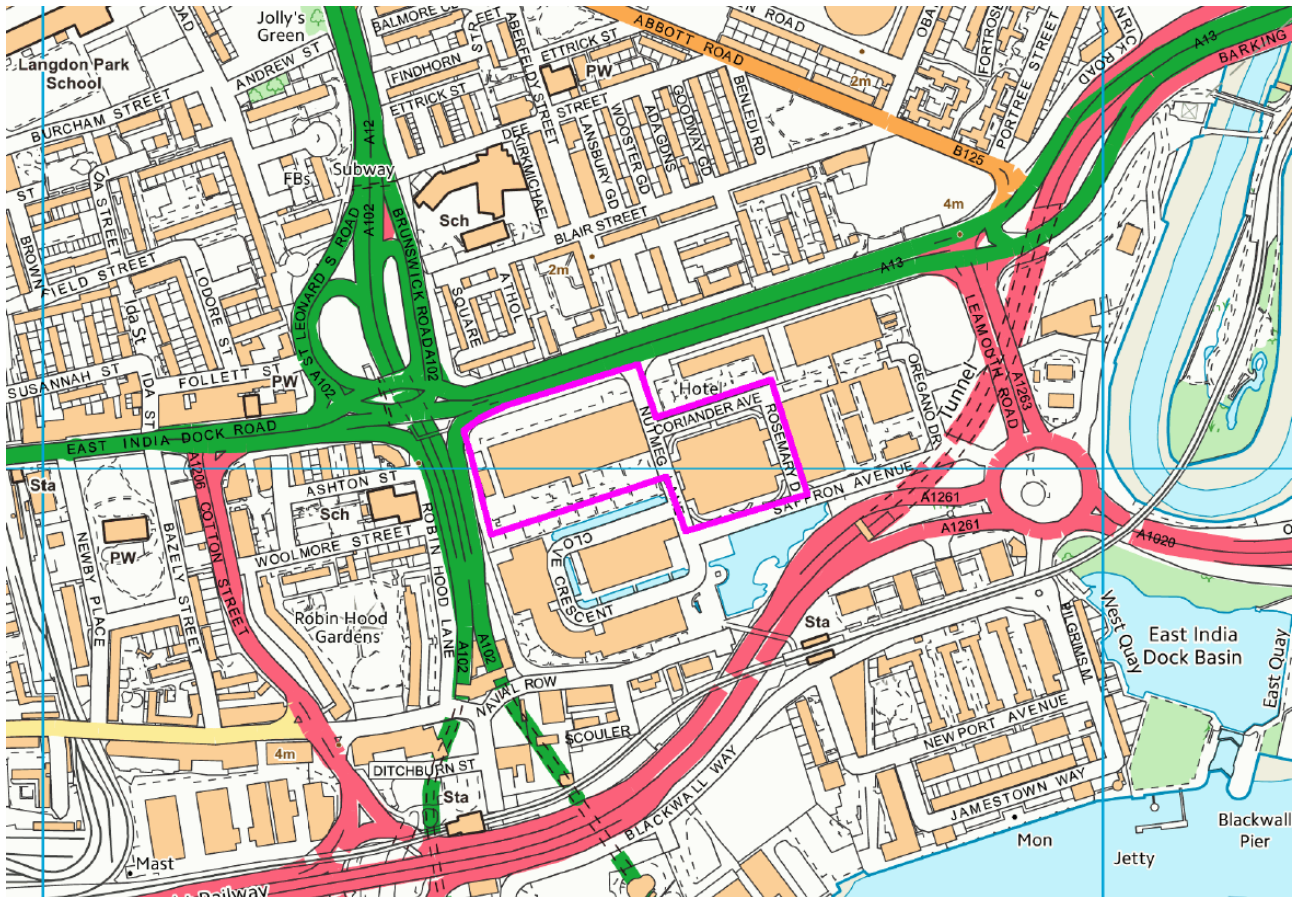
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- 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 other than compression ignition engines, 6% dry for solid fuels; and/or
- in relation to emissions from compression ignition engine combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3kPa and with an oxygen content of 15% dry for liquid and gaseous 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.

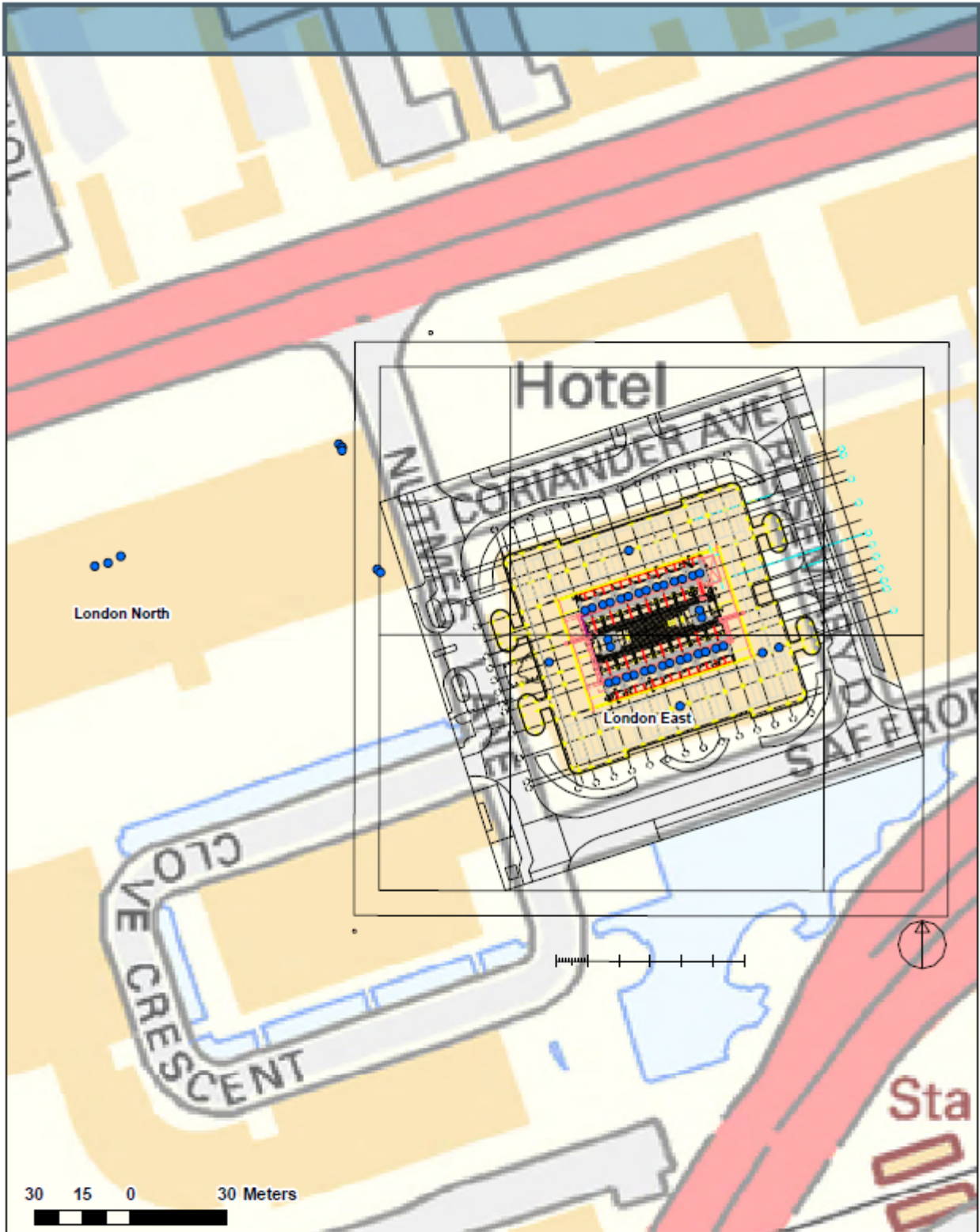
“year” means calendar year ending 31 December.

Schedule 7 – Site plan

Data Centre Location:



Emission Points:



Legend	
2km Buffer	Emission Points

END OF PERMIT

Permit number
EPR/BP3530YR