Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Olympia Limited

Olympia, Olympia London Hammersmith Road
Kensington
London
W14 8UX

Permit number

EPR/WE3900AB

Permit number EPR/WE3900AB

Introductory note

This introductory note does not form a part of the permit

This permit will allow the operator to operate:

- One or more new medium combustion plant (MCP) between 1 and <50MWth but aggregated to <50MWth, which were put in operation on or after 20/12/2018 at a specified location; and
- One Tranche B Specified Generator aggregated to <50MWth at a specified location.

The details of the units and associated limits and monitoring requirements are specified in Tables S1.1 and S3.1.

The site comprises three boilers fuelled by natural gas, each boiler having a net rated thermal input of 5.365MWth. These are medium combustion plant in accordance with Schedule 25A of the Environmental Permitting Regulations (EPR). In addition, the site also comprises two CHP spark ignition engines fuelled by natural gas and fitted with Selective Catalytic Reduction (SCR) abatement, each with a net rated thermal input of 1.367MWth. The engines are new medium combustion plant in accordance with Schedule 25A of the Environmental Permitting Regulations and a tranche B generator which comprises a specified generator in accordance with Schedule 25B of the Environmental Permitting Regulations.

The CHPs and boilers operate for up to 8,760 hours per year, with exhaust emissions discharged to atmosphere via a stack with a height of 48m from ground level.

The facility also comprises three diesel generators which are used for emergency purposes only and normally operated for testing and maintenance purposes for less than 50 hours per year. Consequently, these are excluded generators under Schedule 25B of the EPR. As they each operate for under 500 hours per year, they do not need to meet emission limits of the Medium Combustion Plant Directive.

There are no European or SSSI sites within the relevant screening distance of the exhaust emission discharge stack, and there should be no impact on European sites, and no damage to SSSI's as a result of the MCP/SG.

The site is located within an Air Quality Management Area (AQMA), designated by the London Borough of Hammersmith and Fulham.

The emission limits for Oxides of Nitrogen (NO and NO_2 expressed as NO_2) in the permit are lower than those required by Schedule 25A and/or Schedule 25B of the MCPD. This is to conform with emission limits necessary to meet planning requirements for the facility.

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/WE3900AB/A001	Duly made 05/04/2022	Bespoke application for MCP(s) and/or Specified Generators.
Additional information received	14/06/2022	Confirmation that the MCP would be operational continuously.
Permit determined EPR/WE3900AB	09/08/2022	Permit issued to Olympia Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/WE3900AB

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

Olympia Limited ("the operator"),

whose registered office is

Olympia London Hammersmith Road
Kensington
London
W14 8UX

company registration number 00661157

to operate one or more Medium Combustion Plant and/or Specified Generators at

Olympia, Olympia London Hammersmith Road
Kensington
London
W14 8UX

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

Name	Date
Mark Barry	**09/08/2022**

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, so far as is reasonably practicable, 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

No MCP shall be operated beyond the site of the grid reference specified for it in schedule 1, table S1.1 of the permit.

2.3 Operating techniques

2.3.1 The activities shall be operated using the techniques and in the manner described in schedule 1, tables S1.2A and S1.2B.

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to air 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.

3.1.3 For the following activities referenced in schedule 1, table S1.1 (AR3) Limited Operating Hours MCPs shall:

(a) not exceed 500 hours operation in a 12 month period as a rolling average over a 3 year period, and thereafter assessed annually.

(b) Not operate for more than 750 hours in any single year

3.2 Monitoring

3.2.1 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, or at a greater frequency if notified to the operator in writing by the Environment Agency:

(a) point source emissions specified in table S3.1.

3.2.2 Monitoring shall not take place during periods of start up or shut down.

3.2.3 The first monitoring measurements shall be carried out within four months of the issue date of the permit or the date when the MCP is first put into operation, whichever is later.

3.2.4 Where secondary abatement is required to ensure compliance with the NOx ELV monitoring shall start 10 minutes from when the generator commences operation.

3.2.5 The operator shall maintain records of all monitoring including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, test and surveys and any assessment or evaluation made on the basis of such data.

3.2.6 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme specified in condition 3.2.1 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.

4.1.2 The operator shall maintain convenient access, in either electronic or hard copy, to the records, plans and management system required to be maintained by this permit.

4.1.3 The operator shall maintain a record of the type and quantity of fuel used and the total annual hours of operation for each MCP and/or generator.

4.1.4 The operator shall maintain a record of any events of non-compliance and the measures taken to ensure compliance is restored in the shortest possible time

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 as required by the forms specified in those tables.

4.3 Notifications

4.3.1 In the event:

(a) of a breach of any of the permit conditions 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;

(b) of a breach of any of the permit conditions which causes a significant degradation of local air quality, the operator must immediately suspend the operation of the activities or the relevant part of them until compliance with the 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.

4.4 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				
National Grid Reference and or activity reference/ emission point	**Activity listed in the EP Regulations**	**Description of MCP and/or specified generator**	**Fuel**	**Operating hours limit per year**
AR1 CHP 1 NGR TQ24277 79076 CHP 2 NGR TQ24277 79076	Schedule 25A – MCP as detailed in Schedule 7 and Schedule 25B Specified generator	2 x 1.367MWth CHP, with SCR abatement	Natural gas	Not restricted
AR2 Gas Boiler 1 NGR TQ24277 79076 Gas Boiler 2 NGR TQ24277 79076 Gas Boiler 3 NGR TQ24277 79076	Schedule 25A – MCP as detailed in Schedule 7	3 x 5.365MWth boilers	Natural gas	Not restricted
AR3 Backup Gen 1 - Rolls Royce 16V2000 DS 1000 NGR TQ24354 78951 Backup Gen 1 - Rolls Royce 18V2000 DS 1250 NGR TQ24274 78896 Backup Gen 1 - AVK HDW-750 T5 NGR TQ24292 79148	Schedule 25A – MCP as detailed in Schedule 7	Back up Gen 1: 2.160MWth generator. Back up Gen 1: 2.742MWth generator. Back up Gen 1: 1.761MWth generator.	Diesel	A back-up generator operated for the purpose of testing for no more than 50 hours per year and no more than 500 hours operation in an emergency

Table S1.2A Operating techniques for Medium Combustion Plant as detailed in Schedule 7
(a) Each MCP must be operated in accordance with the manufacturer's instructions and records must be made and retained to demonstrate this. (b) The operator must keep periods of start-up and shut-down of each MCP as short as possible. (c) There must be no persistent emission of 'dark smoke' as defined in section 3(1) of the Clean Air Act 1993. (d) A Limited Operating Hours MCP which is an excluded generator may only be operated for the sole purpose of maintaining power supply to a site during an on-site emergency and it may not participate in any balancing services. (e) A Limited Operating Hours MCP which is an excluded generator may only be operated for the sole purpose of testing no more than 50 hours a year.

Table S1.2B Operating techniques for Specified Generators
(a) Each generator must be operated in accordance with the manufacturer's instructions and records must be made and retained to demonstrate this. (b) The operator must keep periods of start-up and shut down of the generators as short as possible

Table S1.2B Operating techniques for Specified Generators	
(c)	There must be no persistent emission of ‘dark smoke’ as defined in section 3(1) of the Clean Air Act 1993.
(d)	Abatement Plant must be operated in accordance with the manufacturer’s instructions and records must be made and retained to demonstrate this.
(e)	The stack must be vertical and unimpeded by cowls or caps.

Schedule 2 – Waste types, raw materials and fuels

This schedule is not used

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source/ technology**	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method Note 1**
Gas Boiler 1 Gas Boiler 2 Gas Boiler 3 NGR TQ 24277 79076	New medium combustion plant other than engines and gas turbines fuelled on natural gas	Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	44 mg/m^3	Periodic	Annually	MCERTS BS EN 14792
		Carbon monoxide	No limit set	Periodic	Annually	MCERTS BS EN 15058
CHP1 CHP2 NGR TQ 24277 79076	New medium combustion plant which are engines fuelled on natural gas	Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	35 mg/m^3	Periodic	Annually	MCERTS BS EN 14792
		Carbon monoxide	No limit set	Periodic	Annually	MCERTS BS EN 15058
Backup Gen 1 - Rolls Royce 16V2000 DS 1000 NGR TQ 24354 78951 Backup Gen 1 - Rolls Royce 18V2000 DS 1250 NGR TQ 24274 78896 Backup Gen 1 - AVK HDW-750 T5 NGR TQ 24292 79148	New medium combustion plant which are engines fuelled on gas oil	Oxides of Nitrogen (NO and NO_2 expressed as NO_2)	No limit set	Periodic	After the maximum average annual operating hours have elapsed And no less frequent than every 5 years	MCERTS BS EN 14792
		Carbon monoxide	No limit set	Periodic	After the maximum average annual operating hours have elapsed And no less frequent	MCERTS BS EN 15058

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source/ technology**	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method Note 1**
					than every 5 years	

Note 1:

Monitoring requirements are defined at a temperature of 273.15 K, a pressure of 101.3 kPa and after correction for the water vapour content of the waste gases at a standardised O_2 content of 15% for engines and gas turbines and 3% all other MCPs

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 air Parameters as required by condition 3.2.1.	Gas Boiler 1 Gas Boiler 2 Gas Boiler 3 CHP1 CHP2	4 months from date of issue of permit then Annually	1 January
Emissions to air Parameters as required by condition 3.2.1.	Backup Gen 1 - Rolls Royce 16V2000 DS 1000 . Backup Gen 1 - Rolls Royce 18V2000 DS 1250 Backup Gen 1 - AVK HDW-750 T5	After 3 times the maximum average annual operating hours have elapsed And no less frequent than every 5 years	1 January

Table S4.2 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Air	Emissions to Air Reporting Form or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

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 breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

(d) 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.

“combined heat and power” (CHP) or Cogeneration means the simultaneous generation in one process of thermal energy and electrical or mechanical energy.

“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.

“first put into operation” means that the plant must have been fired with its design fuel up to its full load. This can be, but does not have to be, during commissioning.

“limited operating hours MCP” means an MCP that meets the requirements of paragraph 8 of Part 2 of Schedule 25A of the EP Regulations.

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

“medium combustion plant” or ”MCP” means a combustion plant with a rated thermal input equal to or greater than 1 MW but less than 50 MW.

“Medium Combustion Plant Directive” or “MCPD” means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“operating hours” means the time, expressed in hours, during which a combustion plant is operating and discharging emissions into the air, excluding start-up and shut-down periods.

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

“specified generator” has the meaning given in paragraph 2(1) of Schedule 25B of The EP Regulations.

“tranche A generator” has the meaning given in paragraph 3(3) of schedule 25B of The EP Regulations.

“tranche B generator” is any generator that is not a Tranche A generator.

“year” means calendar year ending 31 December.

Schedule 7 – Annex 1 of MCPD

1. Rated thermal input (MW) of the medium combustion plant.	2 x 1.36**7**MWth CHP 3 x 5.365MWth boilers 1 x 2.160MWth MCP 1 x 2.742MWth MCP 1 x 1.761MWth MCP
2. Type of the medium combustion plant (diesel engine, gas turbine, dual fuel engine, other engine or other medium combustion plant).	2 x spark ignition engines 3 x gas boilers 3 x diesel generators
3. Type and share of fuels used according to the fuel categories laid down in Annex II.	2 x Natural gas 3 x Natural gas 3 x Diesel
4. Date of the start of the operation of the medium combustion plant or, where the exact date of the start of the operation is unknown, proof of the fact that the operation started before 20 December 2018.	03/09/2021 for the 2 x CHPs and 3 x gas boilers Not yet commenced for the diesel generators
5. Sector of activity of the medium combustion plant or the facility in which it is applied (NACE code.	D35.1.1 – production of electricity D35.3.0 – Steam and air conditioning supply
6. Expected number of annual operating hours of the medium combustion plant and average load in use.	2 x CHP: Operate up to 8,760 hours annually with an annual load factor of 69%. 3 x 5.365MWth gas fuelled boilers: Operate up to 8,760 hours annually with an annual load factor of 8%. 3 x diesel fuelled generators: less than 50 hours per year for testing & maintenance.
7. Where the option of exemption under Article 6(3) or Article 6(8) is used, a declaration signed by the operator that the medium combustion plant will not be operated more than the number of hours referred to in those paragraphs.	For the back-up diesel generators, the Operator declaration on the permit application form that the information provided for the application is true. The plant generator list indicates that they operate for less than 50 hours per year, confirmed in the Air Quality Assessment.
8. Name and registered office of the operator and, in the case of stationary medium combustion plants, the address where the plant is located.	Operator: Olympia Limited Olympia London Hammersmith Road Kensington London W14 8UX MCP/SG Plant located at: Olympia, Olympia London Hammersmith Road

	Kensington London W14 8UX

END OF PERMIT