



**ENVIRONMENT
AGENCY**

Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Margam Gases
BOC Limited
Longlands Lane
Margam
West Glamorgan
SA13 2NS

Permit number
BV9713IU

Margam Gases

Permit Number BV9713IU

Introductory note

This introductory note does not form a part of the permit

The main features of the installation are as follows:

BOC Limited operate an installation for the production of hydrogen and carbon monoxide by a steam reforming process that uses natural gas and propane as feedstocks at Margam in South Wales. The reforming of natural gas is a listed activity under Schedule 1 of the PPC Regulations Section 1.2 Part A(1)(b).

The installation comprises two similar plant referred to as the "KTI" and the "Howmar". The KTI plant produces synthetic gas ("syngas") by steam reforming using a propane feedstock; the "syngas" being purified to hydrogen and carbon monoxide gas by pressure swing absorption. The Howmar plant also produces syngas by steam reforming but uses natural gas as a feedstock; the plant only produces hydrogen, the production of which is maximised by catalytic shift conversion and purified by pressure swing absorption.

The site is located about 1km to the south of the main residential area of Margam and about 400m to the west of junction 38 of the M4 motorway. The site is in a relatively isolated location. It is bordered to the north, east and south by open land and to the west by a railway line. The nearest surface water bodies are a drainage ditch, known as the Mother Ditch, which runs through the centre of BOC Limited site to the east of the steam reformer installation. To the south of the site there are various smaller drainage ditches that discharge into the Mother Ditch which in turn discharges to the Eglwys Nunydd Reservoir. There is also an area of marshland known as Margam Moors that lies to the south west of the installation. The moors and the reservoir are classified as Sites of Special Scientific Interest (SSSI) under the Wildlife & Countryside Act 1981. No aspect of the proposed permission is likely to have an impact on these SSSI's as there are minimal emissions from the installation which are unlikely to impact upon these sites.

The only atmospheric emissions from the installation are combustion gases from the steam reformer burners on each plant. The KTI plant uses propane as a fuel whereas the Howmar plant uses natural gas. The quantity of fuel used is minimised by recycling off-gas from the pressure swing absorption units to the burners.

Water is used on the installation for the generation of steam which is reacted with the methane/propane feedstock in the presence of a catalyst to produce "syngas". Less than 10m³/day of wastewater from the boiler water treatment systems on the two plants is discharged to sewer.

The two plants achieve a high level of energy integration, with heat being recovered from the waste combustion gases and the hot "syngas" exiting the reformers. The waste heat is used to generate process steam, preheat the boiler feed, and preheat/superheat the methane and propane feedstocks.

There is minimal waste production on the installation. The two plants typically operate continually for up to two years, and during this period there is no waste generation. Wastes only arise as a result of maintenance activities or catalyst/absorbent change-outs. The catalysts typically have a life of 3-4 years after which they are replaced and the spent catalyst returned to the supplier for recovery.

The BOC site is certified to ISO9001 and operates in accordance with an ISO14001 complaint environmental management system.

The site is a Top Tier COMAH site.

Status Log of the permit		
Detail	Date	Response Date
Application BV9713IU	Duly made 07/08/06	
Schedule 4 Notice	07/11/06	30/11/06
Permit determined	25/04/07	

Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation			
Holder	Reference Number	Date of Issue	Fully or Partially Superseded
BOC Limited	IPC Authorisation AF9510	05/03/93	Fully superseded

End of Introductory Note

Permit

Pollution Prevention and Control
(England and Wales) Regulations 2000

Permit

Permit number
BV9713IU

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby authorises

BOC Limited ("the operator")

whose registered office is

**Chertsey Road
Windlesham
Surrey
GU20 7HJ**

company registration number **337663**


to operate an installation at

**Margam Gases
Longlands Lane
Margam
West Glamorgan
SA13 2NS**

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

Signed

Date

	26 th April 2007
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B. Price

Authorised to sign on behalf of the Agency

Conditions

1 Management

1.1 General management

1.1.1 The activities shall be managed and operated:

- (a) in accordance with a management system, which identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents and non-conformances and those drawn to the attention of the operator as a result of complaints; and
- (b) by sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the activities.

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 Accidents that may cause pollution

1.2.1 The operator shall:

- (a) maintain and implement an accident management plan;
- (b) review and record at least every 4 years or as soon as practicable after an accident, (whichever is the earlier) whether changes to the plan should be made;
- (c) make any appropriate changes to the plan identified by a review.

1.3 Energy efficiency

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every 4 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.

1.4 Efficient use of raw materials

1.4.1 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 4 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 appropriate further measures identified by a review.

1.5 Avoidance, recovery and disposal of wastes produced by the activities

1.5.1. The operator shall:

- (a) take appropriate measures to ensure that waste produced by the activities is avoided or reduced, or where waste is produced it is recovered wherever practicable or otherwise disposed of in a manner which minimises its impact on the environment;
- (b) review and record at least every 4 years whether changes to those measures should be made; and
- (c) take any further appropriate measures identified by a review.

1.6 Site security

- 1.6.1. Site security measures shall prevent unauthorised access to the site, as far as practicable.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is 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 2 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 Agency.
- 2.3.2 No raw materials or fuels listed in Schedule 3 Table S3.1 shall be used unless they comply with the specifications set out in that table.

2.4 Off-site conditions

There are no off-site conditions under this section.

2.5 Improvement programme

- 2.5.1 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 Agency.
- 2.5.2 Except in the case of an improvement which consists only of a submission to the Agency, the operator shall notify the Agency within 14 days of completion of each improvement.

2.6 Pre-operational conditions

There are no pre-operational conditions in this permit.

2.7 Closure and decommissioning

- 2.7.1 The operator shall maintain and operate the activities so as to prevent or where that is not practicable, to minimise, any pollution risk on closure and decommissioning.
- 2.7.2 The operator shall maintain a site closure plan which demonstrates how the activities can be decommissioned to avoid any pollution risk and return the site to a satisfactory state.
- 2.7.3 The operator shall carry out and record a review of the site closure plan at least every 4 years.
- 2.7.4 The site closure plan (or relevant part thereof) shall be implemented on final cessation or decommissioning of the activities or part thereof.

2.8 Site protection and monitoring programme

- 2.8.1 The operator shall, within 2 months of the issue of this permit, submit a site protection and monitoring programme.
- 2.8.2 The operator shall implement and maintain the site protection and monitoring programme and shall carry out and record a review of it at least every 4 years.

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 4 Tables S4.1, S4.2, S4.3 and S4.4.
- 3.1.2 The limits given in Schedule 4 shall not be exceeded.
- 3.1.3 Total annual emissions from the emission point(s) set out in Schedule 4 Tables S4.1, S4.2, S4.3 and S4.4 of a substance listed in Schedule 4 Table S4.5 shall not exceed the relevant limit in Table S4.5.

3.2 Transfers off-site

- 3.2.1 Records of all the wastes sent off site from the activities, for either disposal or recovery, shall be maintained.

3.3 Fugitive emissions of substances

- 3.3.1 Fugitive emissions of substances (excluding odour, noise and vibration) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including those specified in Schedule 1 Table S1.4, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.3.2 All liquids, 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.

3.4 Odour

- 3.4.1 Emissions from the activities shall be free from odour at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures to prevent or where that is not practicable to minimise the odour.

3.5 Noise and vibration

- 3.5.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause annoyance outside the site, as perceived by an authorised officer of the Agency, unless the operator has used appropriate measures to prevent or where that is not practicable to minimise the noise and vibration.

3.6 Monitoring

- 3.6.1 The operator shall, unless otherwise agreed in writing by the Agency, undertake monitoring for the parameters, at the locations and at not less than the frequencies specified in the following tables in Schedule 4 to this permit:
 - (a) point source emissions specified in Tables S4.1, S4.2, S4.3 and S4.4;
 - (b) annual limits specified in Table S4.5.

- 3.6.2 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.
- 3.6.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme specified in condition 3.6.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate) unless otherwise agreed in writing by the Agency.
- 3.6.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in Schedule 4 Tables S4.1, S4.2, S4.3 and S4.4 unless otherwise specified in that schedule.
- 3.6.5 Within 6 months of the issue of this permit (unless otherwise agreed in writing by the Agency) the site reference data identified in the site protection and monitoring programme shall be collected and submitted to the 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 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) the site protection and monitoring programme.

4.1.2 Any records required to be made by this permit shall be supplied to the Agency within 14 days where the records have been requested in writing by the Agency.

4.1.3 All records required to be held by this permit shall be held on the site and shall be available for inspection by the Agency at any reasonable time.

4.2 Reporting

4.2.1 A report or reports on the performance of the activities over the previous year shall be submitted to the Agency by 31 January (or other date agreed in writing by the 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 this permit against the relevant assumptions, parameters and results in the assessment of the impact of the emissions submitted with the application;
- (b) where the operator's management system encompasses annual improvement targets, a summary report of the previous year's progress against such targets;
- (c) the annual production/treatment data set out in Schedule 5 Table S5.2;
- (d) the performance parameters set out in Schedule 5 Table S5.3 using the forms specified in Table S5.4 of that schedule; and
- (e) details of any contamination or decontamination of the site which has occurred.

4.2.2 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the 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 5 Table S5.1;
- (b) for the reporting periods specified in Schedule 5 Table S5.1 and using the forms specified in Schedule 5 Table S5.4; and

- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.3 A summary report of the waste types and quantities accepted and removed from the site shall be made for each quarter. It shall be submitted to the Agency within one month of the end of the quarter and shall be in the format required by the Agency.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding 4 years, submit to the Agency, within 6 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.

4.2.5 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency

4.2.6 The results of reviews and any changes made to the site protection and monitoring programme shall be reported to the Agency, within 1 month of the review or change.

4.3 Notifications

4.3.1 The Agency shall be notified without delay following the detection of:

- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission which has caused, is causing or may cause significant pollution;
- (b) the breach of a limit specified in the permit;
- (c) any significant adverse environmental effects.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 6 to this permit within the time period specified in that schedule.

4.3.3 Prior written notification shall be given to the Agency of the following events and in the specified timescales:

- (a) as soon as practicable prior to the permanent cessation of any of the activities;
- (b) cessation of operation of part or all of the activities for a period likely to exceed 1 year; and
- (c) resumption of the operation of part or all of the activities after a cessation notified under (b) above.

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

4.3.5 Where the 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 Agency when the relevant monitoring is to take place. The operator shall provide this information to the Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.6 The Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

- (a) any change in the operator's trading name, registered name or registered office address;
- (b) any change to particulars of the operator's ultimate holding company (including details of an ultimate holding company where an operator has become a subsidiary); and

- (c) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Climate Change Agreement

4.3.7 Where the operator has entered into a climate change agreement with the Government, the 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 7 shall have the meaning given in that schedule.

Schedule 1 - Operations

Table S1.1 activities

Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity	Limits of specified activity
Section 1.2 Part A(1)(b): Reforming natural gas	Production of hydrogen by steam reforming process using natural gas	From receipt of raw materials to despatch of product
Section 1.2 Part A(1)(f): Purifying or refining any product of any of the activities falling within paragraphs (a) to (e) or converting it into a different product	Purifying products of reforming natural gas by pressure swing absorption	From receipt of raw materials to despatch of product
Directly Associated Activity		
Boiler water treatment		To be stored in sealed containers within a bunded area
Catalyst storage		To be stored in sealed containers within a bunded area
Waste storage		Catalyst and adsorbent waste to be stored in sealed containers
Reforming of propane	Production of hydrogen and natural gas by steam reforming process using propane	From receipt of raw materials to despatch of product

Table S1.2 Operating techniques

Description	Parts	Date Received
Application	The response to sections 2.1 and 2.2 in the Application.	07/08/06
Schedule 4 Notice Request dated 07/11/06	All	30/11/06

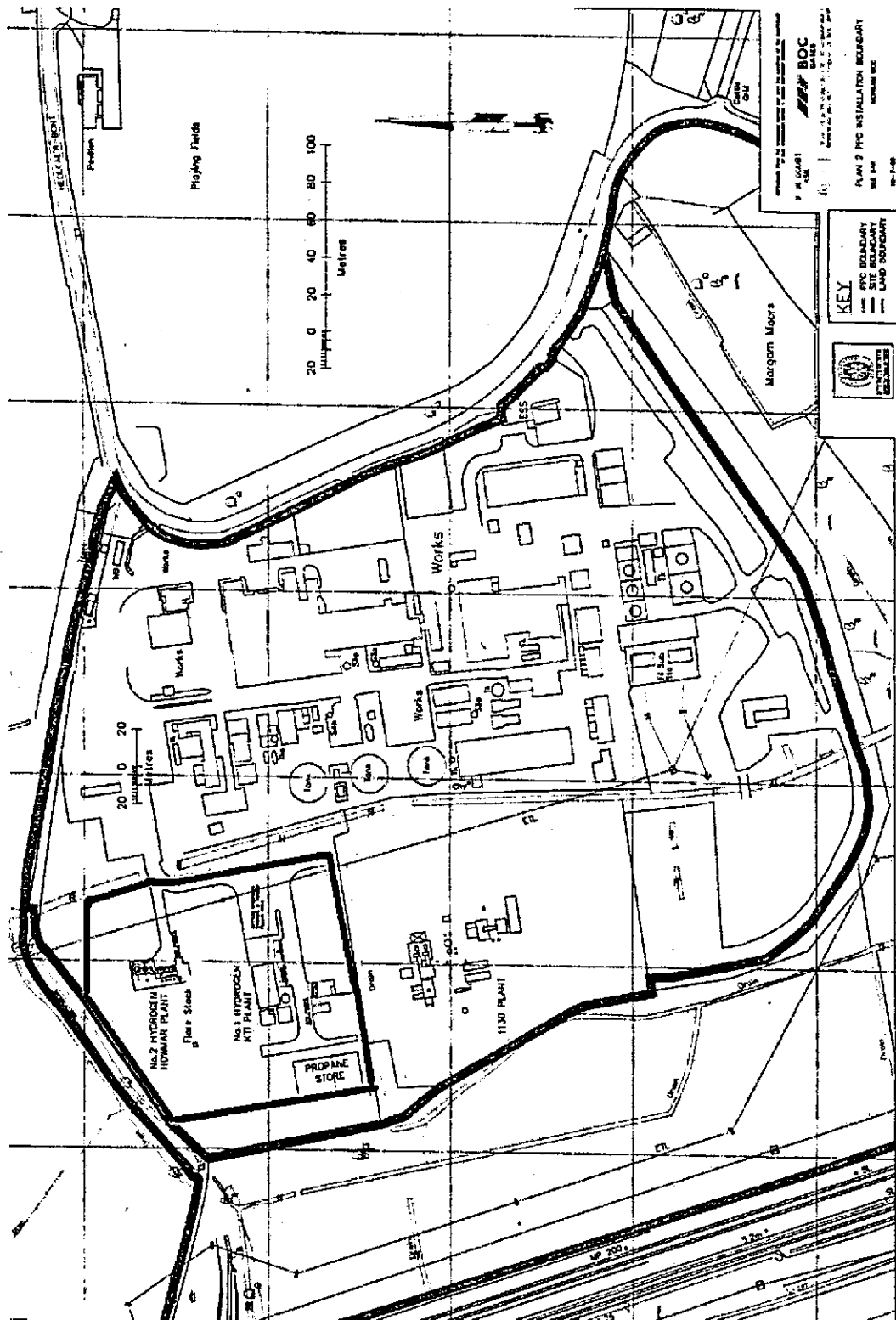
Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC1	The Operator shall erect signs to indicate the segregated waste storage areas.	By 01/11/07
IC2	A written plan shall be submitted to the Agency for approval detailing a maintenance, inspection and integrity testing programme of impervious surfaces and containment kerbs in accordance with Section 2.2.5 of Sector Guidance Note IPPC S1.02, dated December 2004. Where appropriate the plan shall contain dates for the implementation of individual measures. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the plan. The plan shall be implemented by the Operator from the date of approval by the Agency.	By 01/11/07
IC3	A written plan shall be submitted to the Agency for approval demonstrating that all bund construction including but not limited to base and sides plus any coatings/sealants or additional protection measures for the storage of acids is compliant with Box 5 of the Agency H7 Guidance. Where appropriate the plan shall contain dates for the implementation of individual measures. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the plan. The plan shall be implemented by the Operator from the date of approval by the Agency.	By 01/11/07
IC4	A written plan shall be submitted to the Agency for approval detailing how the Operator will ensure that there is no discharge to the BOC site drainage system of acid or alkali wastewater in the event of mal-operation of the demineralised unit. Where appropriate the plan shall contain dates for the implementation of individual measures. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the plan. The plan shall be implemented by the Operator from the date of approval by the Agency.	By 01/11/07

Table S1.4 Appropriate measures for fugitive emissions

Measure	Dates
A fugitive emission management plan shall be submitted to the Agency, detailing the measures to be used to control fugitives emissions from vents and pressure relief valves and shall be accordance with Section 2.2.4 of SGN S1.02. The plan shall be implemented by the operator from the date of approval in writing by the Agency	By 01/11/07

Schedule 2 - Site plan



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Schedule 3 - Waste types, raw materials and fuels

Table S3.1 Raw materials and fuels

Raw materials and fuel description	Specification
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Schedule 4 – Emissions and monitoring

Table S4.1 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
A1 as detailed on Plan 3 of the application	Oxides of Nitrogen (NO and NO ₂ expressed as NO _x)	KTI Plant	250 mg/m ³	Periodic over a minimum of a 4 hour period. Data reported as half hourly averages	6 monthly	ISO 10849: 1996
A1 as detailed on Plan 3 of the application	Carbon monoxide	KTI Plant	20 mg/m ³	Periodic with a minimum sampling time of 1 hour	6 monthly	BS EN15058
A2 as detailed on Plan 3 of the application	Oxides of Nitrogen (NO and NO ₂ expressed as NO _x)	Howmar Plant	250 mg/m ³	Periodic over a minimum of a 4 hour period. Data reported as half hourly averages	6 monthly	ISO 10849: 1996
A2 as detailed on Plan 3 of the application	Carbon monoxide	Howmar Plant	50 mg/m ³	Periodic with a minimum sampling time of 1 hour	6 monthly	BS EN15058
A3 as detailed on Plan 3 of the application	No parameters set	KTI and Howmar Plant flare stack	No limit set	–	–	Permanent sampling access not required
Vents from KTI and Howmar Plant	No parameters set	KTI and Howmar Plant	No limit set	–	–	Permanent sampling access not required

Table S4.2 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
-	-	-	-	-	-	-

Table S4.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 as detailed on Plan 3 of the application	pH	KTI and Howmar Plants	6-10	Spot	Daily – during discharge of effluent	SCA Blue Book Number 14, ISBN 0117514284

Table S4.4 Point source emissions to land– emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
Soakaway adjacent to Howmar Plant	Uncontaminated site surface water only	Howmar Plant surface water	-	-	-	Permanent sampling access not required

Table S4.5 Annual limits

Substance	Medium	Limit (including unit)
Oxides of nitrogen	Air	10000 kg (as NO ₂) in a year
Carbon monoxide	Air	7000 kg in a year

Table S4.6 Process monitoring requirements

Emission point reference or source or description of point of measurement	Parameter	Monitoring frequency	Monitoring standard or method	Other specifications
Interceptor as detailed on Plan 3 of the application at point S1	Oil & grease	Weekly	Visual	In the event of oil and/or grease being present in the last chamber the Operator shall clean out the Interceptor

Schedule 5 - Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S5.1 Reporting of monitoring data

Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.6.1.	A1, A2	Every 6 months	01/11/07
Emissions to sewer Parameters as required by condition 3.6.1	S1	Every 6 months	01/11/07
Annual emissions Parameters as required by condition 3.6.1	A1, A2, S1	Annually	01/11/07

Table S5.2: Annual production/treatment

Parameter	Units
Carbon monoxide	tonnes
Hydrogen	tonnes

Table S5.3 Performance parameters

Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWs
Total mass emissions to air	Annually	kg
Total raw material used	Annually	tonnes

Table S5.4 Reporting forms

Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Agency	25/04/07
Sewer	Form sewer 1 or other form as agreed in writing by the Agency	25/04/07
Water usage	Form water usage1 or other form as agreed in writing by the Agency	25/04/07
Energy usage	Form energy 1 or other form as agreed in writing by the Agency	25/04/07
Annual releases	Form performance 1 or other form as agreed in writing by the Agency	25/04/07
Other performance indicators	Form performance 1 or other form as agreed in writing by the Agency	25/04/07

Schedule 6 - 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 PPC Regulations.

Part A

Permit Number	BV9713IU
Name of operator	BOC Limited
Location of Installation	Margam Gases Longlands Lane Margam West Glamorgan SA13 2NS
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or fugitive emission 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 installation in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of BOC Limited

Schedule 7 - Interpretation

"*accident*" means an accident that may result in pollution.

"*annually*" means once every year.

"*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 4 to the PPC Regulations.

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

"*emissions to land*" includes emissions to groundwater.

"*fugitive emission*" means an emission to air, water or land from the activities which is not controlled by an emission.

"*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.

"*land protection guidance*" means Agency guidance "H7 - Guidance on the protection of land under the PPC Regime: application site report and site protection monitoring programme".

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

"*notify without delay*" and "*notified without delay*" means that a telephone call can be used, whereas all other reports and notifications must be supplied in writing, either electronically or on paper.

"*PPC Regulations*" means the Pollution, Prevention and Control (England and Wales) Regulations SI 2000 No.1973 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

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

"*site protection and monitoring programme*" means a document which meets the requirements for site protection and monitoring programmes described in the Land Protection Guidance.

"*year*" means calendar year ending 31 December.

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

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

- (a) in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- (b) 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

END OF PERMIT