



**ENVIRONMENT
AGENCY**

Permit with introductory note

Pollution Prevention and Control Regulations 2000

Air Products (BR) Ltd
Spencer Works, Llanwern,
Newport NP19 4QX

Permit number

BL2459

Contents

Introductory note.....	iii
Permit	1
Conditions	2
1 The permitted installation	2
2 Operational Matters	5
3 Records.....	10
4 Reporting	11
5 Notifications	12
6 Emissions.....	14
7 Transfer to effluent treatment plant	20
8 Off site conditions	21
9 Improvement programme.....	22
10 Interpretation.....	23
11 Written agreement to changes	25
Schedule 1	26
Schedule 2.....	28
Schedule 3.....	29
END OF PERMIT	29

Introductory note

This introductory note does not form a part of the Permit

The following Permit is issued under Regulation 10 of the Pollution Prevention and Control Regulations 2000 (S.I.2000 No.1973) ("the PPC Regulations") to operate an installation carrying out one or more of the activities listed in Part 1 to Schedule 1 of those Regulations, to the extent authorised by the Permit.

The Permit includes conditions that have to be complied with. It should be noted that aspects of the operation of the installation which are not regulated by those conditions are subject to the condition implied by Regulation 12(10) of the PPC Regulations, that the Operator shall use the best available techniques for preventing or, where that is not practicable, reducing emissions from the installation.

Techniques include both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned.

Brief description of the installation regulated by this permit

The main purpose of the activity at the installation will be to produce a nominal 860 m³/h (692 t/y) of hydrogen gas for sale to local customers. Design capacity is 900 m³/h (727 t/y). The plant is to be constructed in early 2002 on a 780 m² site at the existing Air Products Air Separation Facility at Llanwern. It replaces an older plant that used coke oven gas as a feedstock, allowing the ovens with their higher environmental impact to close.

The plant will generate hydrogen from natural gas and water by the steam-reforming (SMR) process, followed by purification. It will have a thermal input of about 1 MW. The process is designed to operate 24 hours per day, 365 days per year.

The main raw material feeds are natural gas, air and water. Most of the natural gas feed has the traces of sulphur in it removed and is then mixed with steam, raised on the installation, pre-heated and fed to a catalytic reformer, where the feeds mostly react to produce hydrogen and carbon dioxide. The reaction products are then cooled by raising steam, and pass through a further reactor to improve conversion before final cooling, where excess steam in the feed is condensed out. The hydrogen / carbon dioxide mixture is then sent to a pressure swing absorption unit, which is tuned to produce high purity hydrogen, the main product from the installation. The remaining natural gas feed is added to the carbon dioxide rich off gas from the pressure swing absorbers and burnt in air to produce the heat required for the process. Heat is recovered in the form of steam from the reformer vent prior to discharge to atmosphere.

Hydrogen will be delivered to customers by pipeline. There will be some backup liquid hydrogen storage, delivered by road tanker.

The main release point to air will be a 14 m stack releasing steam reformer exhaust gas. Other release points will be: vents from boiler water dearator and steam generator; reformer process and relief vent; hydrogen tank vent; and three emergency relief valves on the hydrogen tank.

Boiler blowdown will be released into the Corus process water system leading to release from the Mild Effluent outfall in the Severn Estuary.

Cooling water will be taken from and returned to an adjacent cooling tower, outside the installation.

Further information is provided in the Application.

Other PPC Permits relating to this installation

Permit holder	Permit Number	Date of Issue
None		

Superseded Licenses/Consents/Authorisations relating to this installation

Holder	Reference Number	Date of Issue
None		

Talking to us

If you contact the Agency about this Permit please quote the Permit Number.

The Operator should use the Emergency Hotline telephone number (0800 80 70 60) or any other number notified to it to give a notification under condition 5.1.1.

Confidentiality

The Permit requires the Operator to provide information to the Agency. The Agency will place the information onto the public registers in accordance with the requirements of the PPC Regulations. If the Operator considers that any information provided is commercially confidential, it may apply to the Agency to have such information withheld from the register as provided in the PPC Regulations. To enable the Agency to determine whether the information is commercially confidential, the Operator should clearly identify the information in question and should specify clear and precise reasons.

Variations to the permit

This Permit may be varied in the future. The Status Log within the Introductory Note to any such variation will include summary details of this Permit, variations issued up to that point in time and state whether a consolidated version of the Permit has been issued.

Surrender of the permit

Before this Permit can be wholly or partially surrendered, an application to surrender the Permit has to be made. For the applicant to be successful, they would have to be able to demonstrate to the Agency, in accordance with Regulation 19 of the PPC Regulations, that there is no pollution risk and that no further steps are required to return the site to a satisfactory state.

Transfer of the permit or part of the permit

Before the Permit can be wholly or partially transferred to another person, a joint application to transfer the Permit has to be made by both the existing and proposed holders, in accordance with Regulation 18 of the PPC Regulations. A transfer will be allowed unless the Agency considers that the proposed holder will not be the person who will have control over the operation of the installation or will not ensure compliance with the conditions of the transferred Permit. If the Permit authorises the carrying out of a specified waste management activity, then there is a further requirement that the transferee is considered to be a "fit and proper person" to carry out that activity.

Status Log

Detail	Date	Comment
Application BL2459	Received 13/11/01	
Permit BL2459	Determined 12/03/02	

End of introductory note.



Permit

Permit number
BL2459

The Environment Agency (the Agency) in exercise of its powers under Regulation 10 of the Pollution Prevention and Control Regulations 2000 (S.I. 2000 No. 1973), hereby authorises

Air Products (BR) Ltd ("the Operator"),

whose *Registered Office (or Principal Office)* is
Hersham Place, Molesey Road, Walton-on-Thames, Surrey KT22 4RZ

Company registration number 2532186

to operate an Installation at
Spencer Works, Llanwern, Newport NP19 4QX

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

Signed

Mr Chris Bower

Authorised to sign on behalf of the Environment Agency

Date

12th March 2002

Conditions

1 The permitted installation

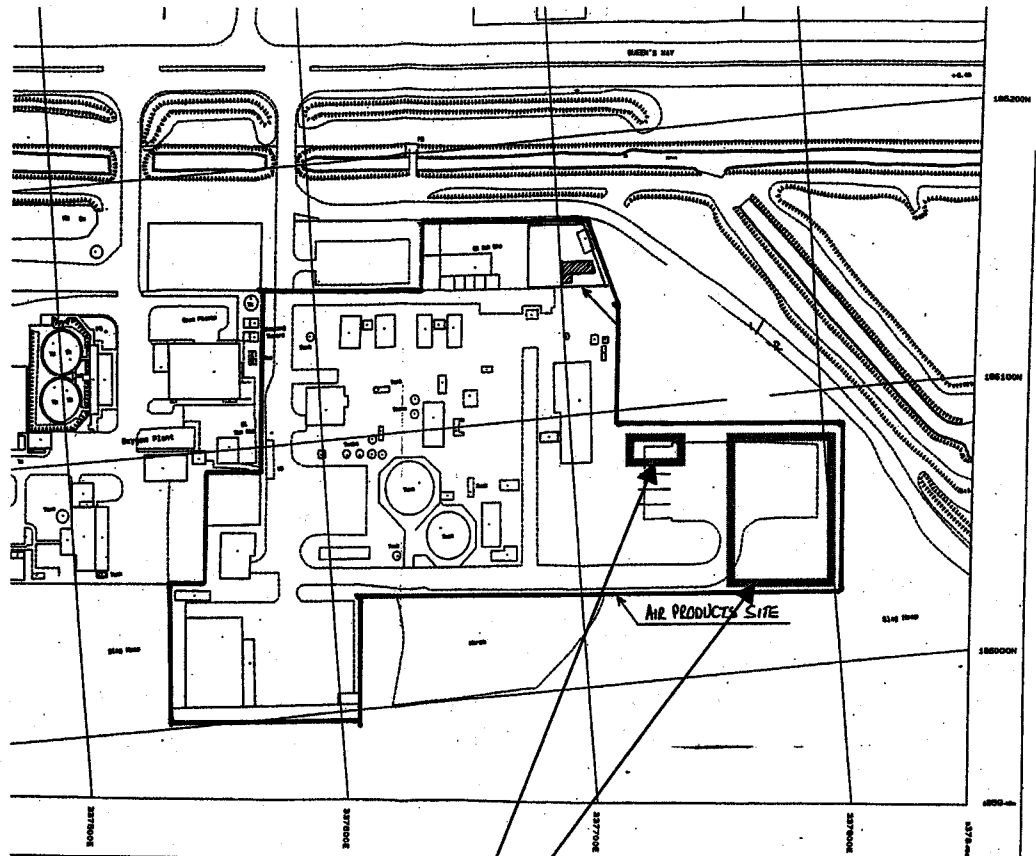
1.1.1 The Operator is authorised to carry out the activities and/or the associated activities specified in Table 1.1.1.

Table 1.1.1

Activity under Schedule 1 of the Regulations/ Associated Activity	Description of specified activity	Schedule 1 Activity Reference (if applicable)	Limits of specified activity
Reforming natural gas	Steam reformer	1.2 A(1)(b)	Receipt of natural gas, through steam reformation and purification and passed to storage. Boiler to provide the steam.
Hydrogen storage	-	Directly associated activity	Receipt of hydrogen from purification or road tanker, through to export by pipeline at North Western pipe track.
Cooling water	Cooling water discharge to and return from cooling tower	-	By pipeline at North Western pipe track
Water discharges to controlled waters	Discharge of process water and site drainage from the installation.	-	By pipeline at North Western pipe track

1.1.2

The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the area shown edged in *green* on the plan below



INSTALLATION

1.1.3

The Permitted Installation shall not be brought into operation until the following measures have been completed and the Agency has been notified in writing of this

- a** Provide adequate site-specific operating and environmental procedures consistent with the requirements of this permit.
- b** Provide a report on monitoring standards to be employed on releases to water, air and land.

2

Operational Matters

2.1 Management techniques and control

- 2.1.1 The Permitted Installation shall, subject to the conditions of this Permit, be managed and controlled as described in the documentation specified in Table 2.1.1, or as otherwise agreed in writing by the Agency.

Table 2.1.1 : Management and control

Description	Parts	Date Received
Application	The response to question 2.1 given in section 2.1 of the application	13/11/01

- 2.1.2 All plant, equipment and technical means used in operating the Permitted Installation shall be maintained in good operating condition.
- 2.1.3 The Permitted Installation shall be supervised by staff who are suitably trained and fully conversant with the requirements of this Permit.
- 2.1.4 A copy of this Permit and those parts of the application referred to in this Permit shall be available, at all times, for reference by all staff carrying out work subject to the requirements of the Permit.
- 2.1.5 All staff shall be fully conversant with those aspects of the Permit conditions, which are relevant to their duties and shall be provided with appropriate training and written operating instructions to enable them to carry out their duties.
- 2.1.6 The plant must not be operated without on-site supervision until a report has been submitted to the Agency showing to their satisfaction that the environmental risks of unmanned operation are acceptable.

2.2 Raw materials (including water)

- 2.2.1 The Operator shall, subject to the conditions of this Permit, use raw materials (including water) as described in the documentation specified in Table 2.2.1, or as otherwise agreed in writing by the Agency.

Table 2.2.1 : Raw materials (including water)

Description	Parts	Date Received
Application	The response to question 2.2 given in section 2.2 of the application.	13/11/01

2.3 Operating Techniques

- 2.3.1 The Permitted Installation shall, subject to the conditions of this Permit, be operated using the techniques and in the manner described in the documentation specified in Table 2.3.1, or as otherwise agreed in writing by the Agency.

Table 2.3.1: Operating techniques

Description	Parts	Date Received
Application	The response to questions 2.3 given in section 2.3.0 of the application	13/11/01

2.4 Groundwater protection

- 2.4.1 The Permitted Installation shall, subject to the conditions of this Permit, be controlled as described in the documentation specified in Table 2.4.1, or as otherwise agreed in writing by the Agency.

Table 2.4.1: Groundwater protection

Description	Parts	Date Received
Application	The response to question 2.4 given in section 2.4 of the application	13/11/01

2.5 Waste handling and storage

- 2.5.1 The Operator shall, subject to the conditions of this Permit, handle and store waste as described in the documentation specified in Table 2.5.1, or as otherwise agreed in writing by the Agency.

Table 2.5.1: Waste handling and storage

Description	Parts	Date Received
Application	The response to question 2.5 given in section 2.5 of the application	13/11/01

- 2.5.2 Waste materials specified in Table 2.5.2 shall only be stored on the site in the location and manner specified in that Table.

Table 2.5.2: Waste stored on site

Description of Waste	Location of Storage on Site	Manner of Storage	Storage Conditions
Non-process solid waste	Adjacent to Stores and Weighbridge	Covered skip	Concrete hardstanding
Used plant fluids	Adjacent to Stores and Weighbridge	Drums	Drums to be clearly marked, held on contained concrete hard standing

2.6 **Waste recovery and disposal**

- 2.6.1 The Operator shall, subject to the conditions of this Permit, recover and dispose of waste as described in the documentation specified in Table 2.6.1, or as otherwise agreed in writing by the Agency.

Table 2.6.1: Waste recovery and disposal

Description	Parts	Date Received
Application	The response to question 2.6 given in section 2.6 of the application	13/11/01

2.7 **Energy Efficiency**

- 2.7.1 The Operator shall, subject to the conditions of this Permit, use energy as described in the documentation specified in Table 2.7.1, or as otherwise agreed in writing by the Agency.

Table 2.7 1: Energy efficiency

Description	Parts	Date Received
Application	The response to question 2.7 given in section 2.7 of the application	13/11/01

- 2.7.2 The Operator shall produce a report annually on the energy consumption of the installation. The exact scope of this report shall be agreed with the Agency prior to submission. This report shall be sent to the Agency.
- 2.7.3 The Operator shall have an energy efficiency plan prepared within one year of permit issue and it shall be updated annually thereafter.

2.8 **Accident prevention and control**

- 2.8.1 The Operator shall, subject to the conditions of this Permit, prevent and limit the consequences of accidents as described in the documentation specified in Table 2.8.1, or as otherwise agreed in writing by the Agency.

Table 2.8.1 : Accident prevention and control

Description	Parts	Date Received
Application	The response to question 2.8 given in section 2.8 of the application	13/11/01

2.9 Noise and vibration

- 2.9.1 The Operator shall, subject to the conditions of this Permit, control noise and vibration as described in the documentation specified in Table 2.9.1, or as otherwise agreed in writing by the Agency.

Table 2.9.1 : Noise and vibration

Description	Parts	Date Received
Application	The response to question 2.9 given in section 2.9 of the application	13/11/01

2.10 Monitoring

- 2.10.1 The Operator shall, subject to the conditions of this Permit, carry out, evaluate and assess monitoring as described in the documentation specified in Table 2.10.1, or as otherwise agreed in writing by the Agency.

Table 2.10.1 : Monitoring

Description	Parts	Date Received
Application	The response to question 2.10 given in section 2.10 of the application	13/11/01

- 2.10.2 Where requested in writing by the Agency, the Operator shall provide at least 14 days advance notice of undertaking monitoring/spot sampling.

- 2.10.3 There shall be provided:

- a** safe and permanent means of access to enable sampling/monitoring to be carried out in relation to the emission points specified in Schedule 2, unless otherwise specified in that Schedule; and
- b** safe means of access to other sampling/monitoring points when required by the Agency.

2.11 Decommissioning

- 2.11.1 The Operator shall, subject to the conditions of this Permit, make provision for decommissioning the installation as described in the documentation specified in Table 2.11.1, or as otherwise agreed in writing by the Agency.

Table 2.11.1 : Decommissioning

Description	Parts	Date Received
Application	The response to question 2.11 given in section 2.11 of the application	13/11/01

2.12 Multi-operator installations

2.12.1 This is not a multi-operator installation

3

Records

- 3.1.1 A record (a "Specified Record") shall be made of:-
- a** any malfunction, breakdown or failure of plant, equipment or techniques (including down time and any short term and long term remedial measures) that may have, has had or might have had an effect on the environmental performance of the Permitted Installation. These records shall be kept in a log maintained for that purpose;
 - b** all monitoring and sampling taken or carried out in accordance with the conditions of this permit and any assessment or evaluation made on the basis of such data.;
- 3.1.2 There shall be made available for inspection by the Agency at any reasonable time:
- a** Specified Records;
 - b** any other records made by the Operator in relation to the operation of the Permitted Installation ("Other Records").
- 3.1.3 A copy of any Specified or Other Records shall be supplied to the Agency on demand and without charge.
- 3.1.4 Specified Records and Other Records shall:-
- a** be legible;
 - b** be made as soon as reasonably practicable; and
 - c** indicate any amendments which have been made and shall include the original record wherever possible.
- 3.1.5 Specified Records and Other Records shall be retained at the site control room for a minimum period of 4 years from the date when the records were made.
- 3.1.6 For all waste received at or produced from the Permitted Installation, the Operator shall record (and shall retain such records for a minimum of 4 years)
- a** its composition, or as appropriate, description;
 - b** the best estimate of the quantity produced;
 - c** its disposal routes; and
 - d** the best estimate of the quantity sent for recovery.
- 3.1.7 A record shall be made at the Permitted Installation of any complaints concerning the Installation's effect or alleged effect on the environment. The record shall give the date of complaint, time of complaint, a summary of any investigation and the results of such investigation. Such records shall be made in a log kept for this purpose.

4 Reporting

- 4.1.1 All reports and notifications required by this Permit, or by Regulation 16 of the PPC Regulations, shall be sent to the Environment Agency at the address notified in writing to the Operator by the Agency.
- 4.1.2 The Operator shall report the parameters listed in Table S2 to Schedule 2 as follows:
- a** in respects of the emission points specified;
 - b** for the reporting periods specified in Table S2 to Schedule 2 and using the forms specified in Table S3 to Schedule 3;
 - c** giving the information from such results and assessments as may be required by the forms specified in those Tables; and
 - d** sending the report to the Agency within 28 days of the end of the reporting period.
- 4.1.3 The Operator shall, within 36 months of the issue of this Permit, submit a report on potential environmental improvements to the Permitted Installation. For each of the subject areas identified in Section 2 of the appropriate technical guidance, the report shall assess the costs and benefits of alternative techniques that may provide environmental improvement. This shall include, but not be limited to, those techniques listed in guidance. The methodologies used should be based on those given in Agency guidance note IPPC H1 (Environmental Assessment and Appraisal of BAT) and should justify, against the Best Available Techniques criteria, where potential improvements are not planned to be implemented. As part of their management system the Operator shall submit an updated report every 36 months.
- 4.1.4 Where the Operator has a formal environmental management system applying to the Permitted Installation which encompasses annual improvement targets the Operator shall, not later than 31 January in each year, provide a summary report of the previous year's progress against such targets.
- 4.1.5 Fugitive emissions shall be reviewed on an annual basis and a summary report on this review shall be sent to the Agency detailing such releases and the measures taken to reduce them.

5 Notifications

5.1.1 The Operator shall notify the Agency **without delay** of:-

- a** the detection of an emission of any substance which exceeds any limit or criteria in this Permit specified in relation to the substance;
- b** the detection of any fugitive emission which has caused or may cause pollution unless the quantity emitted is so trivial that it would be incapable of causing pollution;
- c** the detection of any malfunction, breakdown or failure of plant or techniques which has caused or may have the potential to cause pollution; and
- d** any accident which has caused or may have the potential to cause pollution.

5.1.2 The Operator shall submit written confirmation to the Agency of any notification under condition 5.1.1 of this Permit by sending:-

- a** the information listed in Part A of Schedule 1 to this Permit within 24 hours of such notification; and
- b** the more detailed information listed in Part B of that Schedule as soon as practicable thereafter;

and such information shall be in accordance with that Schedule.

5.1.3 The Operator shall give written notification as soon as practicable, of any of the following:

- a** permanent cessation of the operation of any part of or all of the Permitted Installation;
- b** cessation of the operation of any part of or all of the Permitted Installation for a period, likely to exceed 1 year; and
- c** resumption of the operation of any part of or all of the Permitted Installation after a cessation notified under 5.1.3(b).

5.1.4 The Operator shall notify the following matters to the Agency, in writing, within 14 days of their occurrence:

- a** any change in the Operator's trading name, registered name or registered office address;
- b** a change to any particulars of the Operator's ultimate holding company (including details of an ultimate holding company where the Operator has become a subsidiary);
- c** any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up.

5.1.5 Where the operator has entered into a Climate Change Levy Agreement with the Government, the Operator shall, within 14 days, notify the Agency, in writing, in the event that the Secretary of State has not re-certified that agreement.

5.1.6

Where the Operator has entered into the Emissions Trading Scheme by taking on a voluntary target with a financial incentive, the Operator shall, within 14 days, notify the Agency, in writing, of either:

- a** a decision by the operator to withdraw from the scheme, or
- b** failure to comply with the emissions trading scheme at the end of the 5 year period covered by the scheme.

6

Emissions

6.1 Emissions into air

6.1.1 Emissions to air from the emission point(s) specified in Table 6.1.1 shall only arise from the source(s) specified in that Table.

Table 6.1.1: Emission points into air

Emission point reference/description	Source	Location of emission point
A1	Reformer	Flue gas stack
A2	Boiler water dearator	Dearator vent
A3	Boiler	Boiler stack
A4	Reformer	Reformer process vent
A5	Hydrogen tank	Hydrogen tank vent
A6	Vaporiser 1	Pressure Safety Valve 40
A7	Vaporiser 2	Pressure Safety Valve 41
A8	Economiser	Pressure Safety Valve 1

6.1.2 The limits for emissions into air for the parameter(s) and emission point(s) set out in Table 6.1.3 shall not be exceeded.

6.1.3 The Operator shall carry out monitoring of the parameters listed in Table 6.1.3, from the emission points and at least at the frequencies specified in that Table.

Table 6.1.3: Emission limits into air

Parameters	Emission Point
	A1
Oxides of nitrogen (as NO _x) mg m ⁻³	80
Frequency of monitoring	annually ¹
Carbon monoxide mg m ⁻³	1.5
Frequency of monitoring	annually ¹

1. Or as otherwise agreed in writing.

6.2 Emissions to land

6.2.1 There shall be no emission to land from the Permitted Installation

6.2.2 The Operator shall notify the Agency, as soon as practicable, of any information concerning the state of the Site which affects or updates that provided to the Agency as part of the Site Report submitted with the application for this Permit.

6.3 Emissions to water [other than emissions to sewer]

- 6.3.1 Emissions to water from the emission point(s) specified in Table 6.3.1 shall only arise from the source(s) specified in that Table.

Table 6.3.1: Emission points into water

Emission Point Reference.	Source	Receiving Water
W1	Process water and site drainage from site via interceptor	Severn Estuary via Corus Mild Effluent outfall

- 6.3.2 Limits for the emissions to water for the parameter(s) and emission point(s) set out in Table 6.3.3 shall not be exceeded.

- 6.3.3 The Operator shall carry out monitoring of the parameters listed in Table 6.3.3, from the emission points and at least at the frequencies specified in that Table.

Table 6.3.3: Emission limits into water

Parameter	Emission Point W1	Monitoring Frequency
Suspended solids (mg l ⁻¹)	100	Quarterly
Oil and grease (mg l ⁻¹)	5	Quarterly
pH maximum	10	Quarterly
pH minimum	5	Quarterly

- 6.3.4 There shall be no emission into water from the Permitted Installation of any substance prescribed for water for which no limit is specified in Table 6.3.3 except in a concentration which is no greater than the background concentration.
- 6.3.5 The operator shall monitor arrangements for discharge of wastewater via the adjacent steelworks. Any proposed changes in these arrangements must be notified to the Agency in advance.

6.4 Emissions to sewer

6.4.1 No emission shall be made into any sewer from the Permitted Installation

6.5 Emissions of heat

6.5.1 There are no specific conditions in relation to emissions of heat.

6.6 Emissions of noise and vibration

- 6.6.1 There are no specific conditions in relation to emissions of noise and vibration.

7 **Transfer to effluent treatment plant**

- 7.1.1 No transfers to effluent treatment plant are controlled under this part of this Permit. Emissions to water are controlled under 6.3.

8 Off site conditions

8.1.1 There are no off site conditions.

Improvement programme

9.1.1

The Operator shall complete the requirements specified in Table 9.1.1 by the date specified in that Table, and shall send written notification of the date of completion of each requirement to the Agency, at the Reporting Address, within 14 days of the completion of each such requirement.

Table 9.1.1: Improvement programme requirements

Reference	Requirement	Date
9.1	A report shall be sent to the Agency on establishing an Environmental Management System having regard to section 2.1 of the relevant IPPC Sectoral or other Technical Guidance. The report shall include any proposals to implement such a programme	31 st December 2003
9.2	Submit an energy efficiency plan to the Agency that lists <u>all</u> available techniques and the estimated CO ₂ reductions associated with these.	31 st January 2003
9.3	When the plant has been commissioned and routine steady operation established, undertake a noise survey and assessment. Agree scope of the work with the Agency before undertaking it. Provide written report to the Agency on the completed work.	31 st October 2002
9.4	A report shall be sent to the Agency reviewing emissions to water from the installation considering emissions since start-up, BAT and impacts. Discuss with the Agency before starting the review.	31 st December 2003
9.5	A report shall be sent to the Agency reviewing emissions to air after the installation has been commissioned. The report shall also review the proposed monitoring arrangements against the need to demonstrate the process is achieving BAT without deteriorating.	31 st December 2002

Interpretation

10.1.1 In this Permit, the following expressions shall have the following meanings:

"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, powers specified in Section 108(4) of that Act.

"Background concentration"

means the same as "background quantity" as defined in paragraph 11 to Part 2 to Schedule 1 of the PPC Regulations.

"Fugitive emission"

means an emission from any point other than those specified in the Tables in part 6 of this Permit.

"LAeq"

means the A-weighted equivalent continuous equal energy level (dBA)

"Monitoring"

includes the taking and analysis of samples, instrumental measurements (periodic and continual), calibrations, examinations, tests and surveys.

"Permitted Installation"

means the activities and the limits to those activities described in Table 1.1.1 of this Permit.

"PPC Regulations"

means the Pollution Prevention and Control Regulations 2000 (S.I. 2000 No. 1973) and words and expressions defined in the PPC Regulations shall have the same meanings when used in this Permit.

"Staff"

includes employees, directors or other officers of the Operator, and any other person under the Operator's direct or indirect control, including contractors.

"Substances prescribed for water"

means those substances mentioned in paragraph 13 of Part 2 of Schedule 1 to the PPC Regulations.

"VOC"

means Volatile Organic Compounds.

"Year"

means calendar year ending 31 December.

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

10.1.3 Unless otherwise stated, any references in this Permit to concentrations of substances in emissions into air means;

- a** in relation to gases from reforming and 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 gases 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.

11

Written agreement to changes

11.1.1

When the qualification "or as otherwise agreed in writing" is used in a condition of this Permit, the Operator shall seek such agreement in the following manner:

- a** the Operator shall give the Agency written notice of the details of the proposed change, indicating the relevant part(s) of this Permit; and
- b** such notice shall include an assessment of the possible effects of the proposed change (including waste production) on risks to the environment from the Permitted Installation.

11.1.2

Any change proposed according to condition 11.1.1 and agreed in writing by the Agency, shall not be implemented until the Operator has given the Agency prior written notice of the implementation date for the change. As from that date, the Operator shall operate the Permitted Installation in accordance with that change, and any relevant documentation referred to in this Permit shall be deemed to be amended.

Schedule 1

Confirmation of condition 5.1.1 notifications, in accordance with condition 5.1.2

This Schedule outlines the information that the Operator must provide to the Agency to satisfy condition 5.1.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements must 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.

Returns should contain:

Part A

- ☐ Name of Operator.
- ☐ Permit Number
- ☐ Location of Installation.
- ☐ Date information provided.
- ☐ Time, date and location of the emission.
- ☐ Identity and details of the substance[s] emitted to include:-
 - ☐ Best estimate of the quantity or the rate of emission, and the time during which the emission took place.
 - ☐ Environmental medium into which the emission took place.
 - ☐ Measures taken, or intended to be taken, to stop the emission.

Part B

- ☐ Date and time of emission
- ☐ Any more accurate information on the matters notified 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 or harm which has been or may be caused by the emission.
- ☐ The dates of any Part A notifications within in the previous 24 months.

☐ Name

☐ Post.....

☐ Signature

☐ Date

☐ Statement that signatory is authorised to sign on behalf of *[OPERATOR
NAME*

Schedule 2

Reporting of monitoring data

Parameters for which reports shall be made, in accordance with conditions 4.1.2 of this Permit, are listed below.

Table S2: Reporting of monitoring data

Parameter	Emission point	Reporting period	Period begins
Oxides of nitrogen (mg m ⁻³)	A1	Every 12 mths	01/04/02
Carbon monoxide (mg m ⁻³)	A1	Every 12 mths	01/04/02
pH	W1	Every 3 mths	01/04/02
Suspended solids (mg l ⁻¹)	W1	Every 3 mths	01/04/02
Oil and grease (mg l ⁻¹)	W1	Every 3 mths	01/04/02
pH maximum	W1	Every 3 mths	01/04/02
pH minimum	W1	Every 3 mths	01/04/02

Schedule 3

Forms to be used

Unless otherwise agreed in writing between Agency and the Operator, the following Agency forms are to be used for reports submitted to Agency.

Table S3: Reporting Forms		
Media/parameter	Form Number	Date of Form
Air	S3/A	11/03/02
Water	S3/W	11/03/02

END OF PERMIT