



Environment
Agency
Asiantaeth yr
Amgylchedd

Permit with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

**Magnox Electric Limited
Wylfa Power Station
Cemaes Bay
ANGLESEY
LL67 0DH**

Permit number

QP 3035 LY

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 (England and Wales) Regulations 2000 (S.I.2000 No.1973), as amended ("the PPC Regulations"), to operate an installation carrying out activities covered by the description in Section 1.1 A(1)(a) in Part 1 of Schedule 1 to the PPC Regulations - "Burning any fuel in an appliance with a rated thermal input of 50 megawatts or more" - to the extent authorised by the Permit.

Aspects of the operation of the installation which are not regulated by conditions of the Permit are subject to the condition implied by Regulation 12(10) of the PPC Regulations, i.e. 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.

The Large Combustion Plants Directive and National Emissions Reduction Plan do not apply to the combustion installation at Wylfa.

The Installation comprises gas-oil fired combustion appliances on Magnox Electric Ltd.'s Wylfa Power Station site on the North Coast of the Isle of Anglesey. There are five open-cycle gas turbines (numbers 1 to 5), four auxiliary boiler (numbers 1 to 4), three diesel generators (numbers 1 to 3), and smaller "tertiary feed" diesels, "back-up feed systems", "emergency back-up generators" and an "emergency diesel fire-water pump engine".

The gas turbines are used as emergency plant for generating process electricity in the event of loss of normal electrical supplies. Because of their emergency role, each has to be tested regularly to ensure its availability for purpose. The five turbines are similar Bristol Siddley Proteus type PT.1287 turbo generators, each with a maximum power output of 2.8 megawatts electrical [MW(e)], and a maximum net rated thermal input of 14 MW. Turbines 1 to 4 were commissioned in 1967 and are located together in the gas turbine plant. Each has its own dedicated discharge stack. Turbine number 5 was commissioned in 1984 and is located separately in its own building adjacent to the fuel oil storage area.

The auxiliary boilers are used to provide steam for the carbon dioxide vaporisers and domestic system during periods when reactor-derived steam is unavailable. Boilers 1-3 are co-located and each Wanson Vaporax model 900 steam generator has a thermal input of 750 kW. Auxiliary boiler 4 is located in its own building and is of a Wellman Robey type, producing 2.5 kg/s steam at 10.3 barg (approximately 5.9 MW thermal). It is fired up automatically on demand but normally kept on "hot standby" by steam fed through a heating coil from the reactor steam system, to minimise fossil fuel consumption by the boiler. Feed water for the auxiliary boilers (demineralised and chemically treated) is supplied by the site's main water treatment plant.

The diesel generators (1-3) provide additional back-up generation; each is of 4.9 MW thermal input. There are four tertiary feed diesels (each 36 kW thermal input), two back-up feed system diesel generators (estimated thermal input ca 1 MW each) and two emergency back-up generators (combined estimated thermal input ca 250 kW).

Fuel storage and handling

The turbines and boilers are fired on gas oil, which is received in road tankers and off-loaded via an inlet filter into the appropriate storage tanks. Each group of combustion plant has its own dedicated storage tanks, which are sampled periodically. The gas turbines' fuel supply is via a common ring main from four adjacent 227 m³ capacity mild steel storage tanks, each in a concrete compound (at the time of permit issue, only three of the four tanks were in use). The auxiliary boilers are supplied by two storage tanks, each of capacity 68 m³, enclosed by a bund. Other storage tanks are smaller and those outdoors are enclosed by bunds, while the back-up feed system fuel storage tanks are double-skinned as well as being inside a weather-proof shed.

Environmental releases and waste

The four tertiary feed diesels exhaust to a common stack, but all the other units exhaust to dedicated discharge stacks or vents.

Boiler blowdown water, condensate and any leaks or other effluents pass through a series of pits and drains where they combine with other effluents. From here they pass down further plant drains to the main interceptor pit and are discharged to sea via the main cooling water outfall. The bunds housing the main oil storage tanks, also the two gas turbine houses, are emptied by pump to drains leading to the main interceptor. Most arisings are rainwater collecting in outside bunds. Small volumes of blade washing fluid are used to wash each gas turbine every three months; used fluid passes down the relevant turbine house drain to the interceptor.

In the case of the tertiary feed systems and diesel generator storage tanks, rainwater in the bunds is emptied by pump to the site surface water drain; if oil was present in these sumps, it would be removed locally. As with any solid wastes, oily residues and oil from the main interceptor, such arisings would be collected for disposal off-site by contractors.

Status Log of the permit

Detail	Date	Response Date
Application QP3035LY	Duly made 22 February 2006	-
Additional Information Received	20 November 2006	-
Additional Information Received	3 April 2007	-
Permit determined	5 April 2007	-

Superseded or Partially Superseded Licences / Authorisations / Consents relating to this installation

Holder	Reference Number	Date of Issue	Fully or Partially Superseded
Magnox Electric Limited	IPC Authorisation AF6626 / BI5434	February 1993	Fully superseded

Other existing Licences / Authorisations / Registrations relating to this site

Holder	Reference Number	Date of Issue
Magnox Electric Limited	PPC Permit BU6760 (LLW Incinerator)	4 March 2004
Magnox Electric Limited	RSA-93 Authorisation BA5732 / CA6806	Effective 18 November 2006
Magnox Electric Limited	Greenhouse Gas Emissions Permit GB-EA-ETCO2-1035 / CP7	Effective 4 January 2007
Magnox Electric Limited	Water Resources Act Discharge Consent CG 0336501	11 April 2001, varied 15/11/02
Magnox Electric Limited	Water Resources Act Discharge Consent CG0336502	25 July 1995
Magnox Electric Limited	Water Resources Act Discharge Consent CG0336503	25 July 1995, varied 25/4/97
Magnox Electric Limited	Water Resources Act Discharge Consent CG0336504	25 July 1995
Magnox Electric Limited	Water Resources Act Discharge Consent CG0336505	25 July 1995, varied 17/12/03

End of Introductory Note

Permit

Pollution Prevention and Control
(England and Wales) Regulations 2000



Environment
Agency
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Permit

Permit number

QP3035LY

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

Magnox Electric Limited ("the Operator"),

whose registered office is

1100 Daresbury Park
Daresbury
Warrington
WA4 4GB

Company registration number 2264251

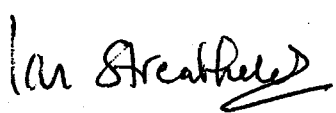
to operate an installation at

Wylfa Power Station
Cemaes Bay
Anglesey
LL67 0DH

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

Signed

Date

	5 April 2007
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Mr I J Streatfield

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 The operator shall maintain records demonstrating compliance with condition 1.1.1.

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 red 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 fuels listed in schedule 3 table S3.1 shall be used unless they comply with the specifications set out in that table.

2.3.3 Each gas turbine shall be operated for a maximum of 200 hours per annum, and the aggregate running hours for all five turbines taken together shall not exceed 800 hours per annum.

2.4 Off-site conditions

- 2.4.1 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

- 2.6.1 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 prepare and 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 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 and S4.2.
- 3.1.2 The limits given in schedule 4 shall not be exceeded.
- 3.1.3 Total annual emissions from the emission points set out in schedule 4 table S4.1 of a substance listed in schedule 4 table S4.3 shall not exceed the relevant limit in table S4.3.

3.2 Transfers off-site

- 3.2.1 The operator shall maintain records of all the wastes from the activities sent off site for disposal or recovery.

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 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 and S4.2; and
 - (b) process monitoring specified in table S4.4.
- 3.6.2 The Operator shall carry out the on-going monitoring identified in the Site Protection and Monitoring Programme, unless otherwise agreed in writing by the Agency.
- 3.6.3 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.

- 3.6.4 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.
- 3.6.5 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 and S4.2 unless otherwise specified in that schedule.

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-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 performance parameters set out in schedule 5 table S5.2 using the forms specified in table S5.3 of that schedule; and
 - (d) details of any contamination or decontamination of the site which has occurred.

- 4.2.2 Within 31 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 S5.3 ; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.3 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.
- 4.2.4 All reports and notifications required by the permit shall be sent to the Agency using the contact details supplied in writing by the Agency
- 4.2.5 The operator shall submit a report by 31 January each year, summarising the results of the previous year's programme of infrastructure monitoring under the site protection and monitoring programme.
- 4.2.6 The results of reviews of, 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 operator shall notify the Agency 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 The operator shall give the Agency prior, written notification of the following events:
- (a) permanent cessation of any of the activities, as soon as practicable prior to the cessation;
 - (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 operator shall give the Agency 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.

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
S1.1 A1 (a) – Burning any fuel in an appliance with a rated thermal input of 50 megawatts or more	Five gas turbines Four auxiliary boilers Three diesel generators Tertiary feed diesels, Back-up feed systems, standby generators and emergency diesel fire-water pump engine All units fired by gas oil.	From receipt and transfer of oil and other raw materials, including relevant secondary containment, to discharge of combustion products to air, liquid effluent to site drainage system and solid waste disposal.

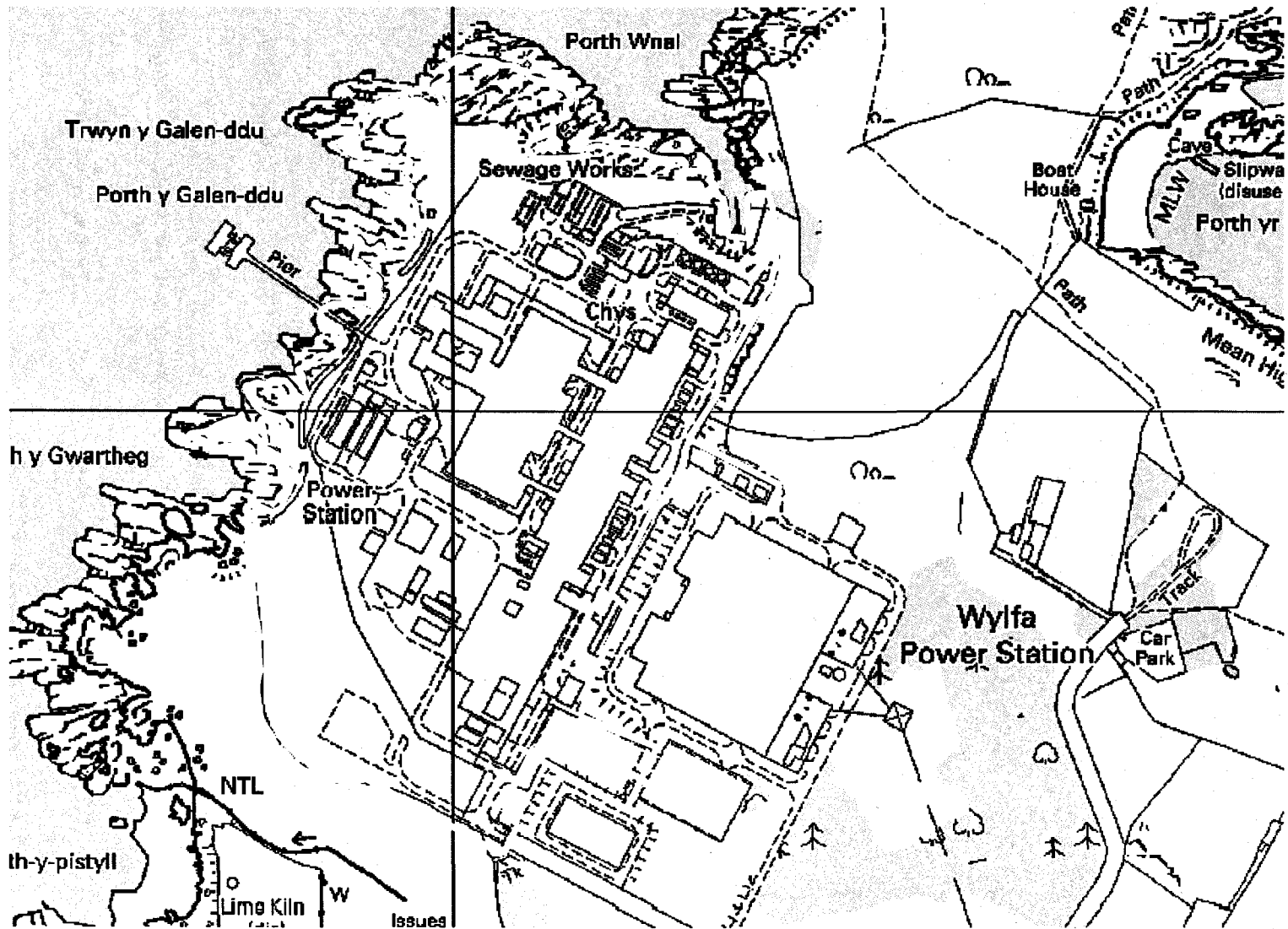
Table S1.2 Operating techniques

Description	Parts	Date Received
Application	The responses to questions B2.1 and B2.2, given in Appendix A in the Application.	22 February 2006

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IP1	The operator shall carry out a waste minimisation audit and provide a copy of the report of the audit to the Environment Agency.	30 September 2007
IP2	The operator shall carry out a water efficiency audit and provide a copy of the report of the audit to the Environment Agency.	30 September 2007
IP3	The operator shall prepare a site decommissioning plan that satisfies the Combustion Sector Indicative BAT requirements. A copy of the plan shall be provided to the Environment Agency.	31 December 2007
IP4	The operator shall prepare an accident management plan that satisfies the Combustion Sector Indicative BAT requirements. A copy of the plan shall be provided to the Environment Agency.	31 December 2007

Schedule 2 - Site plan



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Schedule 3 – Fuel specification

Table S3.1 Fuel specification

Raw materials and fuel description	Specification
Gas oil until 31 December 2007	Less than 0.2% w/w sulphur content
Gas oil from 1 January 2008	Less than 0.1% w/w sulphur content

Schedule 4 – Emissions and monitoring

Table S4.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. As shown on Drg. 0016099 \ 002 in application	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 – A6 #	Sulphur dioxide	Gas Turbines 1-5 and Auxiliary Boiler No 4	7 kg/hour (in any one release point)	Mean spot measurement at stable conditions \$	Annually	BS6069 Section 4.4: 1993 (ISO 7935)
A1 – A5 #	Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	Gas Turbines 1-5	400 mg/m ³ *	Mean spot measurement at stable conditions \$	Annually	ISO 10849: 1996
A6 #		Auxiliary Boiler No 4	400 mg/m ³ *	Mean spot measurement at stable conditions \$	Annually	ISO 10849: 1996
A1 – A6 #	Carbon monoxide	Gas Turbines 1-5 and Auxiliary Boiler No 4	No limits set	Mean spot measurement at stable conditions \$	Annually	ISO 12039
A7 – A9	No parameters set	Auxiliary Boiler Nos 1 - 3	No limits set	No monitoring requirements set		
A10 – A12		Diesel Generator Nos 1 - 3				
A13		Tertiary Feed Diesel Nos 1 - 4				
A14 – A15		Back-up Feed Systems 1 - 2				
A16 – A17		Emergency back-up generators				
A18		Emergency diesel fire-water pump engine				

Notes to accompany Table S4.1

* See Schedule 7 for appropriate reference conditions.

Permanent means of access to enable sampling / monitoring to be carried out is required in respect of A1 to A4. For A5 and A6, permanent access is not required, provided that the facility is maintained to allow access by temporary scaffolding when required.

Table S4.2 Point Source emissions to site drainage systems – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
Gas turbine house drains	-	Blade washing fluid and sump arisings	No limits set		No monitoring requirements set	
Discharge points from gas turbine oil storage tank sumps	-	Rainwater collecting in bunds	No limits set		No monitoring requirements set	
Discharge points from auxiliary boiler oil storage tank sumps	-	Rainwater collecting in bunds	No limits set		No monitoring requirements set	
Discharge points from all other combustion plant oil storage tank sumps	-	Rainwater collecting in bunds	No limits set		No monitoring requirements set	
Auxiliary boiler plants	-	Boiler blowdown water	No limits set		No monitoring requirements set	
Discharge points from the area of the installation into the surface water drainage system	-	General surface water drainage	No limits set		No monitoring requirements set	

Table S4.3 Annual limits

Substance	Medium	Limit (including unit)
Sulphur dioxide	Air	3,500 kg (as SO ₂) in a year
Oxides of nitrogen	Air	12,000 kg (as NO ₂) in a year

Table S4.4 Monitoring of Sulphur content of fuel oil

Sample point locations	Parameter	Limit (including unit)	Monitoring frequency	Monitoring standard or method
Each fuel oil storage tank	Sulphur, % by weight	0.2 % until 31 December 2007 0.1 % from 1 January 2008	At least one sample every time oil is delivered to the tank, and no less frequently than once every three months for the gas turbine oil storage.	Samples must be sufficiently representative of each oil storage tank to allow calculation of sulphur in oil burned in the installation and, consequently, the total mass of sulphur dioxide emitted from the installation each month. Analytical method BS2000: Part 336.

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, A3, A4, A5, A6	Every year	5 April 2007 and 1 January each subsequent year

Table S5.2 Reporting of performance parameters and annual releases

Parameter	Units	Frequency of assessment	Reporting period	Period begins
Fuel usage	tonnes	Annually	Every year	5 April 2007 and 1 January each subsequent year
Primary energy usage	MWh	Annually	Every year	5 April 2007 and 1 January each subsequent year
Gas Turbine usage	hours	Annually	Every year	5 April 2007 and 1 January each subsequent year
Fuel oil sulphur content	% sulphur by weight	As determined by deliveries, but no less than quarterly	Every year	5 April 2007 and 1 January each subsequent year
Sulphur dioxide released to air	kg	Annually	Every year	5 April 2007 and 1 January each subsequent year
Oxides of nitrogen released to air	kg	Annually	Every year	5 April 2007 and 1 January each subsequent year

Table S5.3 Reporting forms

Media / parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Agency	3 April 2007
Performance parameters	Form performance 1 or other form as agreed in writing by the Agency	3 April 2007

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	
Name of operator	
Location of Installation	
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 Magnox Electric Ltd.

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.

"BAT" or "best available techniques" has the meaning given to it by Regulation 3 of the Pollution Prevention and Control (England and Wales) Regulations 2000.

"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 limit.

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

"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 / 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 reference in this permit to concentrations of substances in emissions into air means:

- (a) in relation to emissions from gas turbines or compression ignition engines, the concentration in dry air at a temperature of 273 K, at a pressure of 101.3 kPa and with an oxygen content of 15% for liquid and gaseous fuels;
- (b) in relation to emissions from other combustion processes, the concentration in dry air at a temperature of 273 K, at a pressure of 101.3 kPa and with an oxygen content of 3% for liquid and gaseous fuels, 6% for solid fuels; and / or
- (c) in relation to emissions from non-combustion sources, the concentration at a temperature of 273 K and at a pressure of 101.3 kPa, with no correction for water vapour content.

END OF PERMIT