

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Magnox Limited

Bradwell Site
Bradwell-on-Sea
Southminster
Essex
CM0 7HP

Variation application number
PR2TS/E10760C/V002

Permit number
PR2TS/E10760C

Bradwell Site

Permit number PR2TS/E10760C

Introductory note

This introductory note does not form a part of the notice.

The following notice gives notice of the variation and consolidation of an environmental permit.

This variation includes the addition of non-radioactive aqueous effluent to the existing discharge from Bradwell site. The additional effluent is generated from the decommissioning of the site and comprises rain water, surface run-off and subsurface water. The additional maximum daily volume of 480 cubic metres per day is covered within the current permitted maximum daily volume of 504,900 cubic metres per day.

The schedules specify the changes made to the permit.

The status log of a permit sets out the permitting history, including any changes to the permit reference number. It is not backdated before 6 April 2010.

Status log of the permit		
Description	Date	Comments
Transfer determined PR2TS/E10760C	05/01/2011	Notice issued to Magnox Limited.
Application PR2TS/E10760C/V002 (variation and consolidation)	Duly made 25/09/2013	Application to add non-radioactive aqueous effluent to the existing permit and to vary and update the permit to modern conditions.
Variation determined PR2TS/E10760C	29/11/2013	Varied and consolidated permit issued in modern condition format.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

permit number
PR2TS/E10760C

issued to:
Magnox Limited (“the operator”)

whose registered office is

Magnox Limited
Berkeley Centre
Berkeley
Gloucestershire
GL13 9PB

company registration number **02264251**

to operate a water discharge activity at

Bradwell Site
Bradwell-on-Sea
Southminster
Essex
CM0 7HP

to the extent set out in the schedules.

The notice shall take effect from 29/11/2013

Name	Date
Joy Langford	29/11/2013

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
PR2TS/E10760C

This is the consolidated permit referred to in the variation and consolidation notice for application PR2TS/E10760C/V002 authorising,

Magnox Limited (“the operator”),
whose registered office is

Magnox Limited
Berkeley Centre
Berkeley
Gloucestershire
GL13 9PB

company registration number **02264251**
to operate a water discharge activity at

Bradwell Site
Bradwell-on-Sea
Southminster
Essex
CM0 7HP

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

Name	Date
Joy Langford	29/11/2013

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green and the discharge(s) shall be made at the point(s) marked on the site plan at schedule 7 to this permit and as listed in table S3.2 (discharge points).

3 Emissions and monitoring

3.1 Emissions to water

- 3.1.1 The limits given in schedule 3 table S3.1 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 The operator shall take appropriate measures to minimise so far as reasonably practicable the polluting effects of the emissions of substances not controlled by emission limits (excluding odour).

3.3 Monitoring

- 3.3.1 Permanent means of access shall be provided to enable sampling/monitoring to be carried out at the monitoring points specified in schedule 3 table S3.3 unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

- 4.1.1 All records required to be made by this permit shall:
- (a) be legible;
 - (b) be made as soon as reasonably practicable;
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
 - (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made.
- 4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.3 Notifications

- 4.3.1 The Environment Agency shall be notified without delay following the detection of:
- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
 - (b) the breach of a limit specified in schedule 3 table S3.1; or
 - (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 5 to this permit within the time period specified in that schedule.
- 4.3.3 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:
- Where the operator is a registered company:
- (a) any change in the operator's trading name, registered name or registered office address; and
 - (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.
- Where the operator is a corporate body other than a registered company:
- (a) any change in the operator's name or address; and
 - (b) any steps taken with a view to the dissolution of the operator.
- 4.3.4 Where the operator proposes to make a change in the nature of the activity by increasing the concentration of, or the addition of, or allowing the introduction of, a pollutant to the activity to an extent that the activity may be liable to cause pollution and the change is not permitted by emission limits specified within schedule 3 table S3.1 or the subject of an application for approval under the EP Regulations or this permit:
- (a) the Environment Agency shall be notified in writing at least 14 days before the increase or addition or allowing the introduction; and
 - (b) the notification shall contain a description of the proposed change.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 Activities	
Description of activity	Limits of specified activity
Discharge of secondary treated sewage effluent and trade effluent deriving from water treatment, the radioactive effluent treatment plant, circulating sea water used to flush and disperse all liquid effluents and non-radioactive aqueous effluent via outlet 1	N/A

Schedule 2 - Waste types, raw materials and fuels

Schedule 2 not in use.

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements

Discharge source and discharge point ref. & location	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
Secondary treated sewage effluent and trade effluent deriving from water treatment, the radioactive effluent treatment plant, circulating sea water used to flush and disperse all liquid effluents and non-radioactive aqueous effluent via outlet 1	Maximum daily discharge volume	504,900 m ³ /day	Total daily volume	N/A	N/A	Maximum
	Total residual oxidant (expressed as chlorine)	500 µg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
	pH	6 to 9	Instantaneous (spot sample)	N/A	N/A	Minimum and maximum

Table S3.2 Discharge points

Effluent Name	Discharge Point	Discharge point NGR	Receiving water/Environment
Secondary treated sewage effluent and trade effluent deriving from water treatment, the radioactive effluent treatment plant, circulating sea water used to flush and disperse all liquid effluents and non-radioactive aqueous effluent	Outlet 1	TL 99650 09150	The Blackwater Estuary

Table S3.3 Monitoring points			
Effluent(s) and discharge point(s)	Monitoring type	Monitoring point NGR	Monitoring point reference
Secondary treated sewage effluent and trade effluent deriving from water treatment, the radioactive effluent treatment plant, circulating sea water used to flush and disperse all liquid effluents and non-radioactive aqueous effluent via outlet 1	Effluent sampling	TM 00060 08880	Effluent sampling point

Schedule 4 - Reporting

Schedule 4 not in use.

Schedule 5 - Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 7 days of detection unless otherwise agreed in writing by the Environment Agency	
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/type or nature of effluent released	
Best estimate of the quantity or rate of release of substances and/or duration of discharge	
Best estimate of the environmental impact of the discharge	
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 specified in schedule 3 table S3.1	
To be notified as soon as practicable following detection by a reporting system and format specified by the Environment Agency	
Monitoring point reference/ source	
Self monitoring regime (where relevant)	eg OSM/UWWTD
Type of failure	eg upper tier/other
Date of sample/event	

Parameter	
Result and units	
Limit and units	

Part B - to be submitted as soon as practicable unless otherwise agreed in writing by the Environment Agency

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/breach/exceedance	
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	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 - 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 5 to the EP Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, which are not controlled by an emission limit.

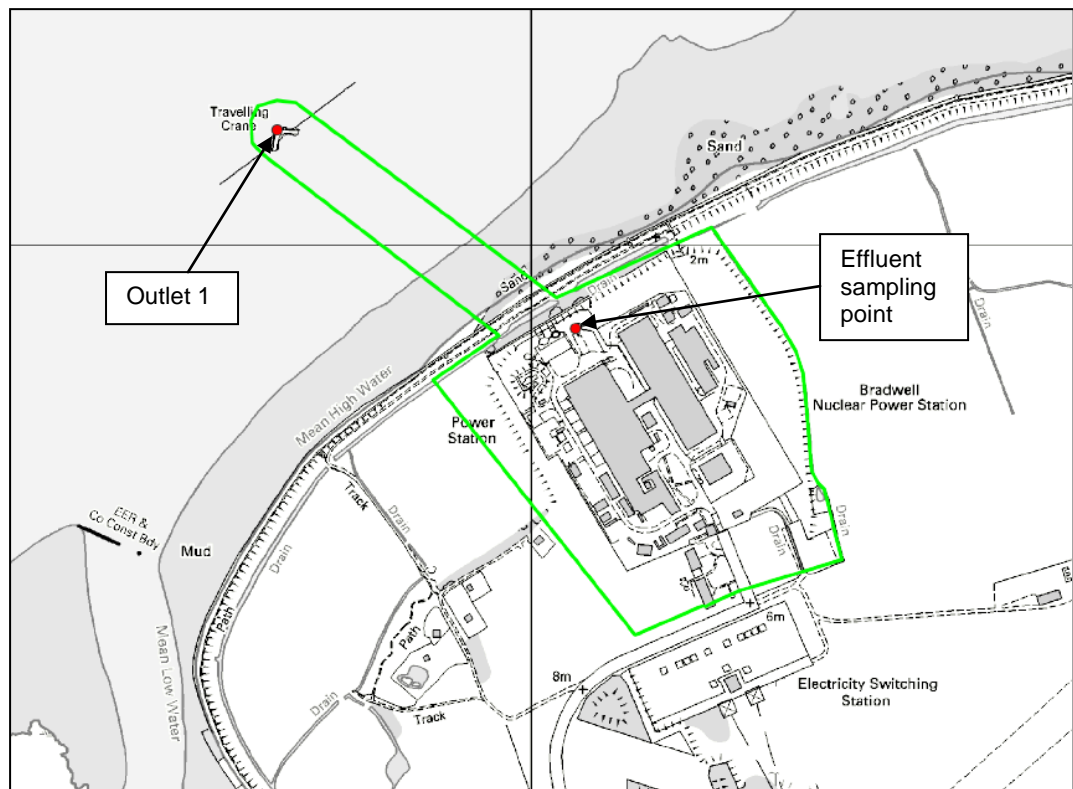
“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

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

“significant pollution” means a category 1 or category 2 incident indicated by the Common Incident Classification Scheme (CICS).

“year” means calendar year ending 31 December.

Schedule 7 - Site plan



© Crown copyright. All rights reserved. Environment Agency, 100026380, 2013.

END OF PERMIT