

Site Licence No.4

2404/1
March, 1960

NUCLEAR INSTALLATIONS (LICENSING AND INSURANCE) ACT, 1959
(7 & 8 Eliz.2.c.46)

NUCLEAR SITE LICENCE


Bradwell Nuclear Power Station

1. The Minister of Power (hereinafter referred to as "the Minister") in pursuance of subsections (1) and (4) of section one of the Nuclear Installations (Licensing and Insurance) Act, 1959, hereby licenses the Central Electricity Generating Board, whose principal place of business is Bankside House, Sumner Street, London, S.E.1, (hereinafter referred to as "the licensee") to use the site described in Part I of the First Schedule to this licence and coloured pink on the plan annexed hereto (hereinafter referred to as "the site") for the purpose of installing and operating the plant described in Part II of that schedule, being plant falling within paragraph (a) of the said subsection (1) (hereinafter referred to as "the plant").

2. This licence is granted subject to the conditions contained in the Second Schedule hereto.

3. This licence shall come into force on the first day of April, nineteen hundred and sixty.

Dated this *thirteenth* day of *March*, nineteen hundred and sixty.


An Assistant Secretary
to the Ministry of Power.

FIRST SCHEDULE

Part I

Land situated near Bradwell-on-Sea, in the rural district of Maldon in the county of Essex, owned and occupied by the licensee, and shown on the south-eastern section of the Essex sheet numbered LVII, scale 1/10560, of the Ordnance Survey.

Part II

Description

Two thermal neutron reactors, together with any machinery, equipment or appliance required for the operation thereof, being reactors fuelled with natural uranium clad in magnox, moderated by graphite and cooled by carbon dioxide gas under pressure, each reactor having a designed maximum thermal power output not exceeding 550 megawatts.

SECOND SCHEDULE

Conditions attached to the licence

Interpretation

1. In these conditions the following expressions have the meanings hereby respectively assigned to them, that is to say -

"the licensee", "the Minister", "the plant" and "the site" each has respectively the meaning assigned thereto in paragraph one of this licence;
"nuclear fuel" means fuel for use in a reactor, being fuel consisting of fissile material in the form of uranium metal, alloy or chemical compound (including natural uranium), plutonium metal, alloy or chemical compound.

Restriction on disposal of the site

2. The licensee shall not assign, transfer, underlet or part with possession of the site or any part thereof without the previous consent of the Minister.

Nuclear fuel

3. - (1) The licensee shall give the Minister previous notice of the first occasion on which it is proposed to bring nuclear fuel onto the site.

(2) No reactor shall be loaded with nuclear fuel for the first time without the previous consent of the Minister.

Plans, designs and specifications

4. - (1) The licensee shall furnish the Minister with such information as the Minister may require in relation to any plans, designs or specifications relating to the plant or any part thereof.

(2) Where the Minister has approved for the purposes of this condition any plans, designs or specifications relating to the plant or any part thereof -

(a) the plant or that part thereof (as the case may be) shall not be constructed otherwise than in accordance with such plans, designs or specifications; and

(b) no alteration, addition or modification shall be made to the plant or that part thereof (as the case may be) when constructed in accordance with such plans, designs, or specifications,

unless the Minister has consented thereto.

Examination and testing of certain materials and parts of the plant

5. - (1) The licensee shall make arrangements to be approved by the Minister to secure the examination and testing (for the purposes specified in the

next following paragraph) by suitably qualified and independent persons of -

(a) the following parts of the plant, that is to say -

- (i) pressure vessels;
- (ii) heat exchangers;
- (iii) gas ducts;
- (iv) gas circulators; and
- (v) any other parts of the plant designed or adapted for containing the cooling gas under pressure; and

(b) all materials proposed to be used in the construction of the aforesaid parts of the plant.

(2) The aforesaid tests and inspections shall be carried out for the purpose of securing that -

(a) no such materials are used in the construction of the aforesaid parts of the plant, unless those materials have been found suitable in all respects for the purpose for which they are proposed to be used;

(b) every such part of the plant is properly constructed and installed.

(3) Full and accurate records shall be kept of the results of every such examination and test.

Reporting of failures and defects

6. Where the results of any such test or examination carried out for the purpose specified in paragraph (2) (b) of the last preceding condition indicate, either in the opinion of the licensee or of the persons carrying out the test or examination, a serious defect or failure in any part of the plant, it shall be the duty of the licensee to inform the Minister thereof forthwith.

Completion of installation of plant

7. Forthwith after the installation of the plant has been completed the licensee shall notify the Minister to that effect.



BASED ON THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF N.M. STATION BY OFFICE ORDNANCE COPYRIGHT RESERVED PRINTED BY CENTRAL ELECTRICITY GENERATING BOARD 11/10/51

DRAWN	
ERASED	
CHECKED	



NUCLEAR SITE LICENCE APPLICATION

SCALE:- 6" to 1 mile

BRADWELL

GEN/1/B/4135^A