



**ENVIRONMENT
AGENCY**

RADIOACTIVE SUBSTANCES ACT 1993

**VARIATION NOTICE
AND
INTRODUCTORY NOTE**

**DISPOSAL OF RADIOACTIVE WASTE
FROM NUCLEAR SITE**

BAE SYSTEMS Marine Limited

BARROW SHIPYARDS NUCLEAR SITE

Barrow-in-Furness
Cumbria LA14 1AF

**VARIATION NOTICE NUMBER CA9422
AUTHORISATION NUMBER BU6808/BU6808**

INTRODUCTORY NOTE

IN 1. This Note does not form part of the Variation Notice

IN 2. The following Notice is issued in accordance with section 17(3)(a) of the Radioactive Substances Act 1993 (RSA93). It varies the conditions of an Authorisation issued under the Act for the disposal of radioactive waste.

IN 3. Description of Variation

Solid radioactive waste has arisen on the Barrow Shipyards site from the dismantling of shore-based effluent handling facilities. This waste is to be disposed of by transfer to an incinerator at Hythe in Hampshire, which has an authorisation under the Radioactive Substances Act 1993 to receive and dispose of radioactive wastes. This variation raises the volume and activity transfer limits for a period until the end of 2007, beyond which time the limits revert to their currently authorised values.

This variation also addresses 'future-proofing' issues for all waste transfer destinations to cater for any future changes of operator name at the receiving sites.

IN 4. Status Log

Description	Reference Number	Issued	Effective Date	Type of change made or comments
Authorisation	BU6808	24/05/2004	21/06/2004	
Variation	CA9422	15/11/2006	16/11/2006	Minor variation. Disposal of small volume of solid waste from dismantling of an effluent handling facility, by transfer to incinerator at Hythe in Hampshire, before end 2007. Variation also captures 'future-proofing' issues for all waste transfer destinations to cater for any future changes of operator name at the receiving sites.



ENVIRONMENT
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RADIOACTIVE SUBSTANCES ACT 1993

VARIATION NOTICE

BAE SYSTEMS Marine Limited

Authorisation Number BU6808/BU6808

Variation Notice Number CA9422

TAKE NOTICE THAT the Environment Agency in exercise of its powers under section 17(2) of the Radioactive Substances Act 1993 ("the Act") hereby varies the Authorisation, number BU6808/BU6808, issued to

BAE SYSTEMS Marine Limited
(company registration no 00229770)

("the Operator")

whose Registered Office is

Warwick House
PO Box 87
Farnborough Aerospace Centre
Farnborough
Hampshire GU14 6YU

which relates to the disposal of radioactive waste on or from the premises occupied by the Operator at

Barrow Shipyards Nuclear Site
Barrow-in-Furness
Cumbria LA14 1AF

as specified in the Schedule to this Notice.

This Notice shall have effect from 16 November 2006.

Signed 
Ian Streatfield

Authorised to sign on behalf of the Environment Agency

Dated the 15 November 2006.

Variation Notice No. BU6808/CA9422

SCHEDULE A

CONDITIONS TO BE AMENDED

A.1 Schedule 1 Condition 22 (1)(a) of authorisation BU6808 is amended as follows:

- (i) the phrase ““BNFL” means British Nuclear Fuels plc’ is deleted;
- (ii) the phrase ““Drigg Waste” means solid radioactive waste, including any immediate package, intended by the Operator for final disposal at BNFL’s site at Drigg’ is replaced with the phrase ““LLWR waste” means solid radioactive waste, including any immediate package, intended by the Operator for final disposal at the Low Level Waste Repository at Drigg, Cumbria’;
- (iii) the phrase ““LLWR Site Operator” means the current holder of the nuclear site licence for the Low level Waste Repository at Drigg’ is added;
- (iv) the phrase ““Sellafield Site Operator” means the current holder of the nuclear site licence for the Sellafield site in Cumbria’ is added;
- (v) the phrase ““Winfrith Site Operator” means the current holder of the nuclear site licence for the Winfrith site in Dorset’ is added;

A.2 Schedule 1 Condition 22 (1)(b) of authorisation BU6808 is amended as follows:

- (i) the phrase ““UKAEA” means United Kingdom Atomic Energy Authority’ is deleted;

A.3 Schedule 2 of authorisation BU6808 is amended as follows:

- (i) Condition 1 is replaced with the following:

1. The Operator is authorised to dispose only of the radioactive waste types identified in the Table in this Schedule and only by the relevant disposal route(s) specified in the Table.

Table

Radioactive Waste Type	Disposal Route
Gaseous Waste	Discharge to the environment
Aqueous Waste	Discharge to sewer
Solid Waste	Transfer to a person authorised under section 13 of the Act to dispose of waste by incineration at premises at Charleston Road, Hythe, Hampshire SO45 3ZA
	Transfer to the Sellafield Site Operator or the LLWR Site Operator or the Winfrith Site Operator for the purpose of final disposal at the Low Level Waste Repository at Drigg

A.4 Schedule 5 of authorisation BU6808 is amended as follows:

- (i) the title of the Schedule is replaced with ‘Limitations and Conditions Relating to Disposal of Radioactive Waste by Transfer to the Sellafield Site Operator, the LLWR Site Operator, or the Winfrith Site Operator for the Purpose of Final Disposal at the Low Level Waste Repository at Drigg (LLWR Waste)’
- (ii) any reference to “Drigg Waste” shall be replaced by a reference to “LLWR Waste”

A.5 Schedule 6 of authorisation BU6808 is amended as follows:

- (i) Table 1 is replaced with the following table;

Table 1 – Waste Transfer Limits

Person to whom waste may be transferred	Waste Type	Radionuclide or of Radionuclides	Annual Activity Limit, MBq	Annual Volume Limit, cubic metres ⁽¹⁾
A person authorised under section 13 of the Act to dispose of waste by incineration at premises at Charleston Road, Hythe, Hampshire SO45 3ZA	Solid wastes	Limits applicable to 31/12/07		
		Tritium	60 ⁽²⁾	15
		Carbon-14	90 ⁽²⁾	
		Other beta-gamma emitting radionuclides	7 ⁽²⁾	
		Limits applicable from 01/01/2008		
		Tritium	5 ⁽²⁾	1
		All other radionuclides	2 ⁽²⁾	

⁽¹⁾ Total volume of all waste, including packaging

⁽²⁾ Radioactivity content of waste is also subject to a total specific activity limit of 400Bq/g