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Company Secretary
Sellafield Ltd
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Dr XXX XXXXX
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29th October 2007

Our Ref: SEL76678
Unique No:

Your Ref: None
Unique No:

**HEALTH AND SAFETY AT WORK ETC. ACT 1974
NUCLEAR INSTALLATIONS ACT 1965 (AS AMENDED)
NUCLEAR SITE LICENCE NO. 31G
LICENCE CONDITION 32 (ACCUMULATION OF RADIOACTIVE WASTE)
REVISION TO THE HAL STOCKS SPECIFICATION**

Dear Sir,

Pursuant to Licence Condition 32(4), I attach the Executive's specification of limits to the stock of liquid High Level Waste (HLW) stored in the BXXX XXXX plant at Sellafield.

Please note that the limits set out in Table 2 attached to the Specification have been derived assuming that 1te of uranium originally present in the upstream oxide fuel will give rise to 200 litres of liquid HLW when stored at optimal conditions. In the event that operations at the XXXX plant lead to this ratio being exceeded for extended periods, the Executive may reconsider resetting the limits in Table 2.

I am copying this letter to the Regulator Liaison Office for onward transmission to Mr X XXXXX and also to the Trade Union Safety Representatives Mr X XXXX and Mr X XXXX.

Dr XX XXXXXX
HM Superintending Inspector of Nuclear Installations

Distribution

Paper: Mr XXXXXXX
Regulator Liaison (3 copies)
4.4.2.1630 (Licence Instruments)

Electronic: 5.1.3.265 (Outgoing letters) (2007/270318)
4.6.51 (HAL Stocks)
4.4.1.87 (HALES Assessment)
HLWPs IPG
X XXXX (Environment Agency)
X XXXX
X XXXX

Licence Instrument No: 679

October 2007

NUCLEAR INSTALLATIONS ACT 1965 (AS AMENDED)

SPECIFICATION

Issued under Condition 32(4) of

Schedule 2 attached to

Nuclear Site Licence No: 31G

SELLAFIELD (WINDSCALE WORKS AND CALDER WORKS)

The Health and Safety Executive, for the purposes of Condition 32(4) of Schedule 2 attached to Nuclear Site Licence No: 31G, specifies that the licensee shall ensure that the following radioactive waste accumulated or stored on the licensed site complies with limitations as to quantity, type and form as follows:

- a) the total volume¹ of liquid High Level Waste (HLW) stored in the BXXX XXXX plant shall be limited at the dates set out in Table 1 attached to this specification to the values set out in that table, and at all other points in time shall be limited to values defined by linear interpolation between these tabulated values.
- b) the total quantity² of Oxide-derived liquid HLW stored in the BXXX XXXX plant, whether segregated or blended with other liquid wastes, shall be limited at the dates set out in Table 2 attached to this specification to the values set out in that table, and at all other points in time shall be limited to values defined by linear interpolation between these tabulated values.

These limits replace those specified in Licence Instrument No: 343, dated 31st January 2001.

Notes

1. The total volume specified in a) above shall be defined as the summation of the physical volumes of all highly active liquor plus associated washings stored within Highly Active Storage Tanks (HASTs) 1 to XX inclusive.
2. The total quantity specified in b) above shall be defined as the summation of the quantities of the specified type of liquid HLW stored within HASTs 1 to XX inclusive. For these purposes, the quantity of Oxide-derived liquid HLW shall be evaluated in terms of the mass of Uranium originally present in the front-end Oxide fuel from which the stored liquid HLW was derived.

Dated: October 2007

For and on behalf of the Health and
Safety Executive

Signed:

Dr XX XXXX

A person authorised to act in that behalf

Table 1. Maximum total volume of liquid HLW in storage.

Date	1 Apr 2007	1 Apr 2008	1 Apr 2009	1 Apr 2010	1 Apr 2011	1 Apr 2012	1 Jan 2013	1 Apr 2013	1 Apr 2014	1 Apr 2015	1 Jul 2015	After 2015
Volume (m ³)	1225	1190	1155	1125	1090	1055	1020	960	625	290	200	200

Table 2. Maximum total quantity of Oxide-derived liquid HLW

Date	1 Apr 2007	1 Apr 2008	1 Apr 2009	1 Apr 2010	1 Apr 2011	1 Apr 2012	1 Apr 2013	1 Apr 2014	1 Apr 2015	1 Jul 2015	After 2015
Front-End Uranium Mass (tonnes (U))	1575	1575	1575	1575	1575	1575	1575	1575	825	700	700