

**Environmental Permitting (England and Wales) Regulations 2010
Environment Agency Specification**

**Hutton Energy UK Limited
c/o WFW Legal Services Limited
15 Appold Street
London
EC2A 2HB**

Our ref: EPR/RB3895DK

Date: 21st April 2015

Dear Sir,

**Permit reference: EPR/RB3895DK
Applicant: Hutton Energy UK Limited
Site: Harlequin 3 Well site, Land Adjacent to A52, Grantham Road, Radcliffe on Trent,
Nottinghamshire**

In response to your application for a new environmental permit I enclose a radioactive waste sampling, analysis and pollution inventory reporting specification.

The specification is made under conditions 3.2.1 and 4.2.2 of your new permit. It requires you to collect, assess, use and report on information about the radioactive waste you generate, accumulate and transfer for disposal.

Yours Sincerely

Team Leader Radioactive Substances Regulation

Environmental Permitting (England and Wales) Regulations 2010
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**Environment Agency Specification made under condition 3.2.1 and 4.2.2 of
permit EPR/RB3895DK**

Issued to: Hutton Energy UK Limited

for the accumulation and disposal of radioactive waste at or from:

Harlequin 3 Well site, Land Adjacent to A52, Grantham Road, Radcliffe on Trent,
Nottinghamshire

Permit conditions

3.2.1 If required by the Environment Agency, the operator shall

- (a) take such samples and conduct such measurements, tests, surveys, analyses and calculations, including environmental measurements and assessments, at such times and using such methods and equipment as the Environment Agency specifies; and
- (b) keep samples, provide samples, or dispatch samples for tests at a laboratory, as the Environment Agency specifies, and ensure that the samples or residues thereof are collected from the laboratory within three months of receiving written notification that testing and repackaging in accordance with the relevant legislation are complete

4.2.2 The operator shall supply such information in relation to:

- (a) the disposals of radioactive waste; and
- (b) the samples, tests, surveys, analysis and calculations, environmental monitoring and assessments undertaken under condition 3.2.1;

in such format and within such timescales as the Environment Agency may specify in writing.

This specification is effective from: 21/04/2015

Issued by TEAM LEADER RADIOACTIVE SUBSTANCES REGULATION

Date 21/04/2015

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1. The operator shall undertake the monitoring specified in table 1.

Table 1: Monitoring	
Waste type	Monitoring requirement
Aqueous radioactive waste	To determine by analysis the total disposals ¹ per month of Ra-226 Ra-228 ² Pb-210 Po-210
	To determine by analysis the total activity in accumulation on the last day of each month of Ra-226 Ra-228 ²
Solid radioactive waste	To determine by analysis the total disposals per month of Ra-226 Ra-228 ² Pb-210 Po-210 Th-228

(1) this covers all forms of disposal of aqueous waste including off-site transfer and the re-injection of produced water, other than NORM contaminated well stimulation fluid remaining in situ.

(2) Ra-228 may be inferred via Ac-228 measurement

2. The results of measurements and analysis shall be available

- For solid waste before it is removed from the site, and
- For aqueous waste, wherever practicable, before it is removed from the site or disposed of on site.

3. Analyses shall be carried out by suitably accredited laboratory(ies).

