

Hitachi-GE Nuclear Energy, Ltd.
UK ABWR GENERIC DESIGN ASSESSMENT
Resolution Plan for RO-ABWR-0036
(Demonstration that the approach taken to radioactive waste management reduces risks SFAIRP)

RO TITLE:	Demonstration that the approach taken to radioactive waste management reduces risks SFAIRP	
REVISION :	<u>3</u>	
Overall RO Closure Date (Planned):	<u>31st May 2017</u>	
REFERENCE DOCUMENTATION RELATED TO REGULATORY OBSERVATION		
Regulatory Queries	-	
Linked ROs	RO-ABWR-0017, RO-ABWR-0006, RO-ABWR-0035, RO-ABWR-0037, RO-ABWR-0044, RO-ABWR-0054, <u>RO-ABWR-0064</u> , <u>RO-ABWR-0073</u> , <u>RO-ABWR-0075</u> , RI-ABWR-0001	
Other Documentation	-	

Scope of work :
<p>BACKGROUND</p> <p>ONR's radioactive waste, spent fuel and decommissioning assessment during Step 2 of GDA of UK ABWR concluded that Hitachi-GE had presented an adequate basis to proceed to Step 3. For radioactive waste management, the selection of appropriate pre-disposal methods (including equipment choice) and operating regime requires a detailed holistic assessment of all of the relevant risks and a demonstration that on balance, they are reduced SFAIRP for the plant as a whole. Without that robust demonstration ONR is unable to judge whether the legal duty of controlling risks and reducing risks SFAIRP, also referred to, interchangeably, as ALARP, will be demonstrated.</p> <p>Scope of Work</p> <p>This Resolution Plan shows the actions and milestones needed for delivery of UK ABWR and provides Demonstration that the approach taken to radioactive waste management reduces risks SFAIRP.</p>

Description of work:
<p>The main actions to be undertaken to resolve the RO are described as follows.</p> <p>RO-ABWR-0036.A1 – Hitachi-GE to provide a robust demonstration to show that the approach taken to the management of radioactive waste reduces risks SFAIRP</p> <p>Hitachi-GE should provide a robust demonstration for the methods chosen for management of radioactive waste for</p>

Remarks : RO Closing

Hitachi-GE would close this RO by the end of May 2017 on the following conditions.

- 1) The next submission of the ALARP Report for the SWMS will be by 13th April 2017.
- 2) The next submission of the BSC on the HVAC system will be by 13th April 2017.
- 3) The above reports include the major action results.

Summary of impact on GDA submissions:

An initial assessment suggests that the following GDA topics will be affected by the actions to resolve this RO:

Radioactive Waste Management, Radiation Protection, Decommissioning, Mechanical Engineering and GEP.

As the work progress other areas affected may be identified and will be updated as required.

Programme Milestones / Schedule:

Refer to the attached Gantt-chart for the programmed activities and the schedule for the resolution of the RO.

Reference:

[Ref-1] INTERNATIONAL ATOMIC ENERGY AGENCY, IAEA Safety Glossary: Terminology Used in Nuclear Safety and Radiation Protection, 2007 Edition

