



Office for
Nuclear Regulation

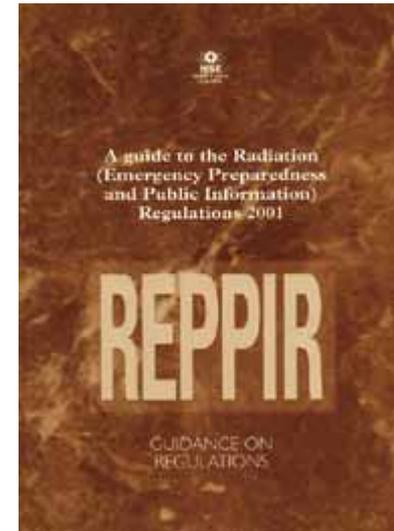
ONR Revision of the Magnox Ltd Harwell Off-Site Emergency Planning Area



8 December 2016, Harwell, Oxfordshire
Peter Hayes – Nominated Site Inspector

Radiation (Emergency preparedness and Public Information) Regulations 2001 (REPPIR)

The basis for statutory off-site emergency planning in response to a reasonably foreseeable radiation emergency by the local authority in an emergency planning area defined by ONR.



Other Requirements to Protect the Public

- The local authority has a duty to make adequate emergency arrangements under other legislation such as the Civil Contingencies Act 2004.
- The site licensee has general duties under the Health and Safety at Work Act 1974 to ensure, so far as is reasonably practicable, the safety and welfare of employees and other persons.
- The site licensee is required to make and implement adequate arrangements for dealing with any accident or emergency (under site licence condition 11) and to prepare necessary contingency plans as required under the Ionising Radiations Regulations 1999.

Purpose of the REPPIR Defined Emergency Planning Area

- Defined by ONR when public may be affected by a reasonably foreseeable radiation emergency.
- The area defined is based on the licensee's Hazard Identification and Risk Evaluation of all radiation hazards on the site and ONR's robust and detailed assessment of this evaluation.
- Local Authority must plan to restrict doses so far as is reasonably achievable.
- Operator must provide appropriate prior safety information.

ONR Steps to Define an Off-Site Emergency Planning Area

STEP 1

A technical assessment of the operator's assessment

- Does ONR agree with the operator's assessment of what are the most significant radiation accidents?
- Does ONR conclude that a reasonably foreseeable radiation emergency is reasonably foreseeable?
 - If yes, to define the emergency planning area.
 - If no, the emergency planning area is not required

STEP 2

An assessment of practical and strategic factors for emergency planning and countermeasures to inform the extent of the area

Harwell Off-Site Emergency Planning Area

ONR has almost completed its assessment and will be informing Oxfordshire County Council and Magnox Ltd of the outcome shortly.

The assessment has particularly focussed on the fact that there has been a significant reduction in the radiological hazard at the site following:

- Shutdown of the reactors many years ago
- Subsequent decommissioning activity
- Treatment and/or removal of radioactive waste from the site.

ONR will publish on our website our project assessment report that details how we have undertaken the work and reached the conclusions reached.

<http://www.onr.org.uk/depz.htm>