

Emerging Challenges and Opportunities for Radiation Protection for Nuclear Power Plants: Continued Operation and New Build

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Challenges (1)

- Changes in society and expectations of radiation protection
- Communication/engagement with stakeholders on the issues
- Development and implementation of self-help approaches to protection
- Integrating management of radiological risks into general risk management

Challenges (2)

- Harmonisation of acceptance criteria across a range of issues Post Fukushima
- How to ensure protection of people over the time scale of deep geological disposal?
- Protection of the environment – now addressed by ICRP and the International BSS
- Consequences of exposure to low doses

Opportunities

- New build provides an opportunity to implement improvements based on experience across a whole range of disciplines including radiation protection of the public and workers
- To integrate management of radiological risks into risk management generally
- To improve overall radiation protection by engaging constructively with society