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2006



Environment
Agency

Safety Assessment Principles 2006 The Environment Agency's Perspective

Alan McGoff

Radioactive Substances Regulation Policy

SAPs Seminar,

Liverpool, 26 January 2007

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Our perspective

- SAPs generally consistent with UK goal setting, non-prescriptive approach;
- High safety performance helps protect the environment;
- Integrated approach - seek to achieve all regulatory and business objectives - good safety and environmental performance is good business!

Energy Review 2006:

“We do not take a position for or against nuclear power, but we insist that nuclear installations must achieve high standards of safety, security, environmental performance and waste management.

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Key to Successful Joint Regulation

- Safety optimisation - SFAIRP/ALARA - takes the environment fully into account together with all other relevant matters;
- Environmental optimisation - BPM/ALARA - takes safety fully into account together with all the other relevant matters.
- Seek consistency within *and* between regulators.

Environment Agency's ¹⁹⁹⁶₂₀₀₆ Radioactive Substances Regulation



Environment Agency

Environmental Principles

- Development ongoing
- Objective - technical guidance to help underpin decisions relating to radioactive substances regulation. Including:
 - permitting and compliance where we regulate directly; and
 - where we are consultees or have influence.

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REPs - Structure

Environment Agency	IAEA
RSR Objective	Safety Objective
Fundamental Environmental Principles for RSR	Safety Fundamentals
Developed Principles – Generic	Thematic
Regulatory Framework	Legal and Governmental Infrastructure
Emergency Preparedness and Response	Emergency Preparedness and Response
Management Systems	Management Systems
Compliance Assessment	Assessment and Verification
Enforcement	<i>(none)</i>
Site Evaluation	Site Evaluation
Radiation Protection and Monitoring– People and Environment	Radiation Protection
Radioactive Substance Management (including Waste Disposal)	Radioactive Waste Management
Decommissioning	Decommissioning
Contaminated Land and Groundwater	Rehabilitation of Contaminated Areas
Evaluation and Information	<i>(none)</i>
Developed Principles – Sector/Site Specific	Facility Specific

REPs - Example

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Radioactive Substance Management (including Waste Disposal)

A strategy shall be produced for the management of all radioactive substances.

Considerations:

- The strategy shall ensure that for human health and the environment:
 - ◆ An acceptable level of protection is achieved; and
 - ◆ That impact and risks have been minimised taking into account all relevant factors including:
 - Worker and public safety;
 - Cost;
 - Security;
 - Technical capability;
 - Burdens on future generations;
 - Precautionary principle;
 - Use of resources;
 - Stakeholder views. (etc)

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REPs - Progress

- Structure, Radioactive Substances Regulation Objective and Fundamental Principles published as working document;
- Developed principles for the sector Radioactive Substances Management (including waste disposal) also published in same document;
- Other sectors being developed with contractor support;
- Issue as working document over next few months;
- Continue to use SAPs as starting point.

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