NEA Workshop on Preparedness for Post-Nuclear Accident Recovery

Building a Framework for Post-Nuclear Accident Recovery Preparedness

National-Level Guidance

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Timeline for managing the Fukushima Daiichi nuclear accident

◆17 May 2011, **Roadmap to return to normality** by NERHQ
  
  • June-August: Detailed and comprehensive **monitoring plan** by MEXT
  • June: Arrangements for long-term **health surveillance** started by Fukushima Prefecture
  • August: **Act on the Handling Environmental Pollution** by MOE
  • 30 September: **Lifting of the former sheltering area** by NERHQ

◆16 December: **Control of the situation** at NPP has been regained
  
  • 26 December: **Basic concept for rearranging** the evacuation areas by NERHQ
  • April: **Rearrangement of the evacuation areas** started
Current status of the areas under evacuation order

- **Lifting conditions (December 2011)**
  - Dose level < 20 mSv/y
  - Infrastructures and social services
  - Consultation with local gov. and residents

**Exclusion zone**: 81,300
- **Area 3 (50mSv<)**: 24,800
- **Area 2 (20 - 50mSv)**: 23,400
- **Area 1 (20mSv>)**: 33,100

- April 2011
  - Restricted area + DEA
- Dec 2011
  - Concepts of rearrangements
- April 2012 – Aug 2013
  - Rearrangements
- April 2015
  - First lifting of an evacuation order
- 1 April 2017
  - Evacuation orders lifted
- Sep 2017 – May 2018
  - 6 Specific Reconstruction and Revitalization Bases
Changes related to recovery process after the accident

• Establishment of **Nuclear Emergency Preparedness Commission** within the Cabinet
• Revisions of the **Nuclear Emergency Act** and **Basic Plan**
• Section: **Intermediate and Long-term Response measures** for Nuclear Emergency in a new **NRA Guide for EPR**
  1. Basic concept for intermediate and long-term response measures
  2. **Environmental radiation monitoring**
  3. **Individual dose assessment**
  4. **Health surveillance**
  5. **Decontamination** measures
  6. Concept for the transition from emergency to existing exposures
Key points for future revisions of the NRA Guide

• Consistency of protection strategies, taking into account the interdependence of early, intermediate and recovery strategies

• An integrated approach that focuses on capacities and capabilities that are critical to preparedness and response for a full spectrum of emergencies or disasters

• Mutual trust among stakeholders for the realisation of social justice