

Introduction

Challenges and Enhancements to the Safety Culture of the Regulatory Body

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CNRA Past Safety Culture Initiatives

- Regulatory guidance (“Green Booklets”) documents focusing on safety culture – date back to 1999



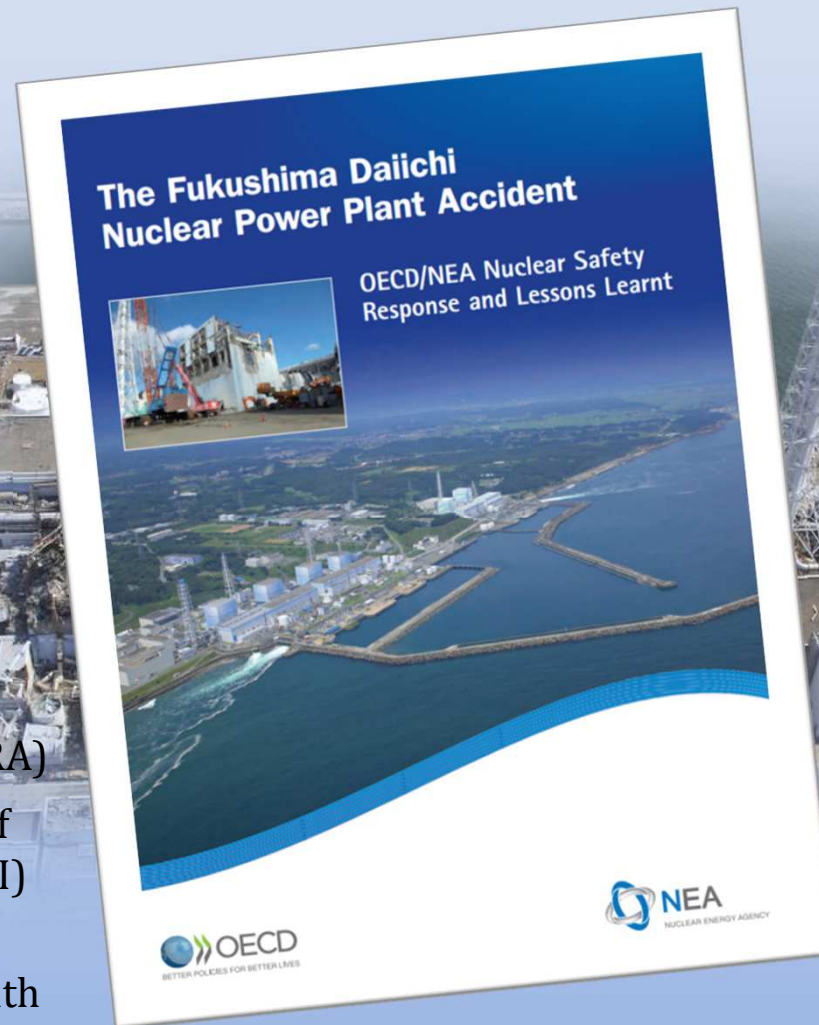
Moving Forward after Fukushima

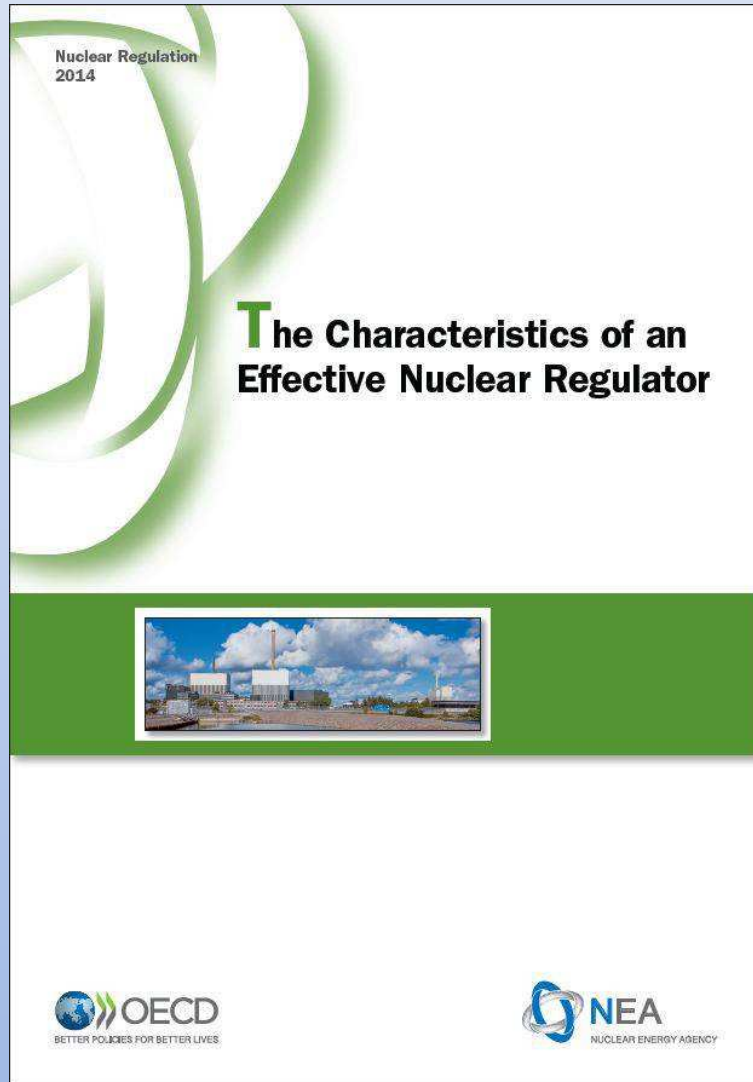
Areas covered:

- Immediate response by NEA member countries, key messages and conclusions;
- NEA actions in follow-up to the Fukushima Daiichi accident;
- Direct support provided to Japan by the NEA.

Involved 3 standing technical committees:

- Committee on Nuclear Regulatory Activities (CNRA)
- Committee on the Safety of Nuclear Installations (CSNI)
- Committee on Radiation Protection and Public Health (CRPPH)





The Characteristics of an Effective Nuclear Regulator

NEA Regulatory Guidance Booklets
Volume 16, 2014, NEA/CNRA/R(2014)3

CNRA Current Activities

- **Senior Level Task Group (STG) on the Safety Culture of the Regulatory Body (SCRB)**
 - Principles and attributes to ensure the adequate safety culture within the regulator
 - Internal and external challenges
 - Develop a Green Booklet on the Safety Culture of an Effective Nuclear Regulatory Body
 - Green Booklet expected to be presented for approval at the December 2015 CNRA meeting
- **Today's CNRA/CSNI/CRPPH Joint workshop**
 - Expected to provide insights for the Green Booklet

CNRA Future Activities

- CNRA and CSNI approved the development of a report entitled *Five Years after Fukushima Daiichi Accident*
- Report scheduled for discussion and approval at the December 2015 CNRA meeting
- Scheduled to be published in March 2016

Five Years after the Fukushima Daiichi Accident- Outline

Forewords from the NEA Director General and the CNRA Chair

1. Executive summary

2. Introduction

3. Background What we have learned about emergency response, human and organizational factors, regulatory oversight, etc.

4. International Developments and Safety Enhancements Summary of member country responses and developments since the first report

Examples of safety enhancements in the following areas:

Plant safety improvements, Accident management, External hazards, Radiological protection, Emergency preparedness, planning and off-site response, Post-accident recovery and clean-up, Regulatory infrastructure, Safety research

5. NEA Developments

Nuclear Regulation (CNRA)

Accident Management, Crisis and Emergency Communications, Review of Pre-cursor Events, Defence in Depth (DiD), Effective Nuclear Regulator, Safety Culture of the Regulatory Body, New reactors

Nuclear Safety (CSNI)

External Events, SAREF (Safety Research Opportunities Post-Fukushima)

Joint Projects post-Fukushima - BSAF, ATLAS, PKL3, HYMERES

F-CAPS – PSA of External Events, Containment Venting, Hydrogen management, Spent Fuel Pools, Assessment of Fission Product Releases, Human Performance in Extreme Conditions, Robustness of Electrical Systems, Metallic Component Margins under High Seismic Loads

Radiation Protection *Input from CRPPH*

Legal Improvements including liability *Input from Nuclear Law Committee*

6. Conclusions

Appendix A - Links provided by countries regarding safety improvements and safety research

Thank you for your attention