2nd CNRA International Workshop on New Reactor Siting, Licensing and Construction Experience

24-26 October 2012

Laura Dudes, Workshop Chair
Steve Gibson, WGRNR Chair
Alejandro Huerta, NEA Secretariat

© 2011 Organisation for Economic Co-operation and Development

Working Group On Regulation of New Reactors Mandate

The Working Group on Regulation of New Reactors (WGRNR) shall be responsible for the programme of work in the CNRA dealing with regulatory activities in the primary program areas of siting, licensing and oversight for new commercial nuclear power reactors (Generation III+ and Generation IV reactors). The working group shall constitute an international forum for exchanging information and experience and with the agreement of CNRA and will plan its work to ensure improvements in nuclear safety through more effective and efficient regulation. In order to accomplish this prime objective the working group shall:

- Constitute a forum of experts for the licensing of new NPP
- Coordinate its work with the work performed by MDEP
- Closely coordinate its work with others CNRA and CSNI WGs

© 2011 Organisation for Economic Co-operation and Development

Program of Work

- Construction Experience
- Siting Practices
- Licensing Processes

© 2011 Organisation for Economic Co-operation and Development

ConEx Programme

- First ConEx synthetic report (2008-2011) published
- Reinforce the Database: populate with events, QA ConEx group
- ConEx group will draft a 2nd report on event lessons learned 2011-2012
- Proposals
  - Friendly learning "Safety Cards" from new events
  - Table matching Construction Inspections and events lessons learned

Nuclear Regulation
May 2012
NEA/CNRA/R(2012)2
www.oecd-nea.org

OECD

First Construction Experience Synthesis Report 2008–2011

Working Group on the Regulation of New Reactors (WGRNR)

AEN NEA

NUCLEAR ENERGY AGENCY

Site Selection and Preparation

- Proposal to prepare a supplemental report approved by CNRA
  - to address additional siting issues such as assessing impacts of multi-unit sites, specific design features of the NPP against the fixed site parameters, etc.
  - and obtain more details on regulatory approaches for new reactor siting including changes or enhancements as a result of the Fukushima Accident

© 2011 Organisation for Economic Co-operation and Development

Licensing Survey - Phase 1: General

- Some of the topics covered:
  - Licensing Process
  - Governing Authority/Legal Decision
  - Licensing Process Timeframe
  - Level of Effort
  - Safety Assessment
  - Public Participation
  - Construction and Operating Oversight
  - Independent Advisory Committee
- Report on Phase 1 approved by CNRA and published under reference NEA/CNRA/R(2011)13

Nuclear Regulation
NEA/CNRA/R(2011)13
March 2012
www.oecd-nea.org

Report of the Survey on the Review of New Reactor Applications

CNRA Working Group on the Regulation of New Reactors

NUCLEAR ENERGY AGENCY

2nd International WGRNR Workshop

- Main objective would be to provide a forum to exchange information in lessons learned from licensing and construction of new NPPs.
  - Session 1: Regulatory cooperation on MDEP generic and design specific working groups
  - Session 2: Regulatory positions on siting practices
  - Session 3: Construction experience and regulatory oversight of new reactor construction activities
  - Session 4: Lessons learned from regulatory licensing reviews of new reactor designs

© 2011 Organisation for Economic Co-operation and Development

On behalf of WGRNR:

Learning from others is a key to success and progress. As a result of this workshop, participants should have an understanding of the regulatory issues surrounding new reactors and common methodologies for addressing them.

Thank you for your attention

© 2011 Organisation for Economic Co-operation and Development