



AGENCE DE L'OCDE POUR L'ÉNERGIE NUCLÉAIRE
OECD NUCLEAR ENERGY AGENCY



**CNRA International Workshop on
“New Reactor Siting, Licensing and Construction Experience”**

**Hosted by the State Office for Nuclear Safety
Prague, Czech Republic
21-23 April 2010**

Preliminary Announcement

1 ORGANISATION AND HOST

The CNRA Workshop on " New Reactor Siting, Licensing and Construction Experience" will be held from 21 to 23 April 2010 in Prague, Czech Republic, hosted by the State Office for Nuclear Safety. This first announcement is to inform you of this event and call for papers to be submitted for presentation at the workshop.

More information is available at www.nea.fr/html/nsd/calendar.html

2 BACKGROUND

Based on the regulatory actions underway or being considered in different members countries concerning the design and construction of advanced nuclear power plants, the NEA's Committee on Nuclear Regulatory Activities decided at its December 2007 meeting to establish a working group responsible of the regulatory issues of the siting, licensing and regulatory oversight of generation III+ and generation IV nuclear reactors. The new working group on the regulation of new reactors (WGRNR) constitutes a forum of experts for the licensing of new and advance commercial nuclear power reactors and should facilitate a cooperative approach to identify key new regulatory issues and promote a common resolution.

The main purpose of the WGRNR and its products are to improve regulatory reviews by comparing practices in member countries; improve the licensing process of new reactors by learning from best practices in member countries; ensure that construction inspection issues and construction experience is shared; promote cooperation among member countries to improve safety; and enhance the effectiveness and efficiency of the regulatory process.

WGRNR has established an initial programme of work which was approved by the CNRA. The initial programme of work includes the collection of construction experience and the assessing of the information collected in order to share the lessons learned and good practices, the review of regulatory practices concerning the regulation of nuclear sites selection and preparation, and the review of recent regulatory experience concerning the licensing structure of regulatory staff and regulatory licensing process.

3 OBJECTIVES OF THE WORKSHOP

The objective of this international workshop is to review and discuss recent and past construction experience lessons learned including the regulatory and the vendors, and licensee perspectives, issues associated with project management resources including: a) overall human resources, expertise, experience and organisation available to the licensee, b) capability of each potential vendor (in-house knowledge and skills vs planned subcontracting and subcontractor management). The workshop will also discuss the lessons learned in the regulation of site selection, evaluation and site preparation as well as the review of



regulatory practices for the licensing of new reactors, including the regulatory body infrastructure, staffing and expertise needed.

The workshop should provide a forum to communicate recent experience on these topics to a wider audience, to introduce and discuss the current programme of work and products under development in WGRNR, and to gain insights from workshop participants on each of the programme of work areas, and get feedback from participants on additional focus areas.

Learning from others is a key to success and progress. Information obtained as a result of this workshop should give understanding keys and interpretations of regulatory issues of licensing process of new reactors, and promoting a method to address them.

4 SCOPE, CONTENT AND OUTLINE OF THE WORKSHOP

The workshop will include an introductory session, technical sessions devoted to technical presentations by participants on the topics outlined in the Preliminary Workshop Programme below and a final session. The final session will summarize the discussions and develop conclusions and recommendations for possible further actions by the CNRA/WGRNR. All the participants are expected to take part in the discussion and in the formulation of conclusions in the final session

Papers and case studies addressing the issues and topics outlined are welcomed. Several sessions with ample time for discussion will be defined accordingly to these topics.

5 LOGISTICS AND PARTICIPATION IN THE WORKSHOP

Participants

As usual for OECD/NEA workshops, participation is open to experts from regulatory authorities and their technical support organizations, research organizations, NPP owners and operators, NPP designers and vendors, and industry associations and observers from OECD NEA member countries. Nominations should be made through the NEA Secretariat of WGRNR. Those wishing to make a presentation at the workshop should submit an abstract with their preliminary registration form.

The meeting is open to a small number of experts from non-OECD member countries. The participation of these experts will be arranged by the NEA Secretariat.

Registration

Participants should fill in the attached registration form or the electronic registration form at www.nea.fr/html/calendar.html and send it by **20 March 2010** to the NEA Secretariat:



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E-mail: alejandro.huerta@oecd.org

A registration fee will be required. The cost currently being determined will include workshop fees, reception and coffee/refreshment between sessions. Details will be provided later.

The Organizing Committee will confirm the acceptance of registration for the workshop

Location and accommodation

The workshop will be held in Prague, Czech Republic and hosted by the State Office for Nuclear Safety. Details on location and accommodations will be provided later.

Language

All presentations and discussions will be in English, and good command of the English language will be necessary to fully benefit from the workshop.

Papers

Participants wishing to present papers shall submit an abstract (between 200 and 400 words). All abstracts should be submitted by **15 December 2009**. (Note: All submitted abstracts and papers should be submitted electronically in MS Word and "times 11" font.)

The Organizing Committee will review abstracts, and authors will be notified by January 29, 2010. Presentations should not exceed 20 minutes.

Workshop proceedings

Proceedings from the workshop will be published by the NEA, and will include papers from the opening session, conclusions and recommendations from the discussion groups, summary of panel discussions, and information papers submitted by participants to the workshop.



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Organising Committee

The Organising Committee organise the sessions and the final program for the workshop.

The following persons form the organising committee of the workshop:

Miroslav SVAB	SUJB	Czech Rep	Chairman
Laura DUDES	NRC	USA	WGRNR Chairperson
Philip WEBSTER	CNSC	Canada	
Guillaume WACK	ASN	France	
Petteri TIIPPANA	STUK	Finland	
Marcin ZAGRAJEK	PAA	Poland	
Rosa SARDELLA	ENSI	Switzerland	
Andreja PERSIC	SNSA	Slovenia	
Alejandro HUERTA	OECD-NEA	International	

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Registration / Abstract Form

In response to the announcement and call for papers we inform you of the nomination of

Surname (Family Name) ¹:

Given Name (s):

Title or Function:

Institution, Organization or
Company (full address):

Telephone No. :

Telefax No

E-mail address:

Title of the paper (abstract to be
added, if any)

To be sent as soon as possible, according to the specified deadlines, to:

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Mr. Alejandro Huerta
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¹ (Please indicate whether Prof., Dr., Mr., Mrs., Miss, Ms.)



PRELIMINARY WORKSHOP PROGRAMME

OPENING SESSION

SESSION 1: SITING PRACTICES AND ISSUES

Chairs: Philip Webster (CNSC, Canada)
Miroslav Svab (SUJB, Czech Republic)

(Purpose: Regulatory authorities, reactor designers, and operators/ licensees to give their perspective on the various practices used in the regulation of nuclear power plant siting (selection, evaluation and site preparation). This session is also aimed to address issues on sites where a mixture of activities are taking place (e.g., operating units, new construction, decommissioning, etc.) including organisation of the regulators and licensee/engineering organisation, methods, systems, etc.)

PRESENTATIONS AND DISCUSSION ON THE FOLLOWING ISSUES:

- ***Environmental issues***
- ***Site characteristics (seismic, hydrology, etc.)***
- ***Interfaces between the design and the site***

PANEL DISCUSSION OF SESSION 1

SESSION 2: CONSTRUCTION EXPERIENCE – Regulatory Perspectives

Chairs: Guillaume Wack (ASN, France)
Petteri Tiippana (STUK, Finland)

(Purpose: Regulatory perspectives on major deficiencies that occurred during design and construction of nuclear power plants, assessment of the adequacy of the current regulatory activities to detect and correct such events and prevent them from remaining undetected until the plant becomes operational. This session is intended to cover actual construction experience as well as past construction experience.)

PRESENTATIONS AND DISCUSSION ON THE FOLLOWING ISSUES:

- ***Lessons learned from current and past construction experience***
- ***Project management, including sub-contractors issues***
- ***Organisational factors***
- ***Presentation by MDEP Vendor Inspection Cooperation Working Group***

PANEL DISCUSSION OF SESSION 2

SESSION 3: CONSTRUCTION EXPERIENCE – Industry Perspectives

*Chairs: Industry Representative (To be confirmed)
WGRNR Member (To be confirmed)*

(Purpose: Reactor designers and operators/licensees to provide industry perspectives on what their organisations are doing to share lessons learned from past and actual construction experience, to implement measures aimed to detect and correct such events and prevent them from remaining undetected until the plant becomes operational. Topics should be focused on design and construction activities and accomplishments, and views on recommendations to achieve positive results of co-operation with the regulatory authorities.)

PRESENTATIONS AND DISCUSSION ON THE FOLLOWING ISSUES:

- *Lessons learned from current and past construction experience*
- *Project management, including sub-contractors issues*
- *Organisational factors*

PANEL DISCUSSION OF SESSION 3

SESSION 4: NEW REACTOR LICENSING PROCESS

*Chairs: Laura Dudes (NRC, USA)
Andreja Persic (SNSA, Slovenia)*

(Purpose: This Session will focus on the challenges and successes that have been predominant in most of the current licensing processes. These will include establishing a qualified and effective infrastructure as well as coping with level-of-detail during the different stages of licensing. The panel will also discuss recent experiences in the review of new applications, as well as the prospect and limits of standardisation. Both Regulators and invited industry representatives will present their perspectives on these issues.)

PRESENTATIONS AND DISCUSSION ON THE FOLLOWING ISSUES:

- *Working group efforts in understanding the different processes and practices used by the regulatory agencies*
- *MDEP level of detail in designs reviews and limits of standardisation*
- *Regulators' lessons learned in different stages of the licensing process*
- *Industry perspectives on their interaction with regulators*

PANEL DISCUSSION OF SESSION 4

CLOSING SESSION