



Part I: US Participation in NEA/WPDD Activities

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Part I: US Participation in WPDD Activities (Historical Background)

- **WPDD #1 was held in May 2001**
- **NEA invited US to participate**
- **US NRC & US EPA staff participated in early annual meetings**
- **In October 2006 (WPDD #07) US NRC Director (Larry Camper) Chaired a Topical Session on “Decommissioning Regulatory Approaches and Practices.”**
- **Since WPDD #8 US NRC and US DOE participate effectively and became members of WPDD Core Group and other task groups (Boby Eid & Andrew Szilagyi).**
- **In November 2010, US DOE/US NRC hosted WPDD#11**

Part I: US Participation in WPDD Activities

US Key Contributions to WPDD & Task Groups

- **Decommissioning Criteria and Implementation Process for Power Reactors**
- **Risk/Dose Analysis for Decommissioning**
- **Characterization & Survey**
- **Disposal of Large Components**
- **Decommissioning & Waste Management/Minimization**
- **R&D for Decommissioning**
- **Decommissioning Lessons Learned & New Designs**
- **US Approaches to Remediation/Clean-up & End-state**
- **US Decommissioning Status & Updates (Country Reports)**
- **US (DOE & NRC) Hosted WPDD 11th Annual Meeting in Washington DC.**
- **US Participants: NRC & DOE (Core Group), EPA, EPRI, Private Consultants.**

Sharing and Exchange of Information Benefits:

- **US “Decommissioning Programs” are mature, accumulated valuable information based on experience, research & development, and lessons learned.**
- **US Decommissioning regulations are well developed, flexible, focused on safety, and implementation.**
- **Mutual benefits from WPDD annual meetings discussions & feedback, topical sessions, workshops, task groups, and participation in development of reports.**
- **Site visits to decommissioning and waste disposal facilities added value to international knowledge and experience.**

US WPDD Perspective: Suggestions, Challenges, and Future Look

- **Suggestions:**
 - Continue Federal agencies participation in WPDD;
 - Encourage US NGOs (e.g.; EPRI, Industry, & Consultant) participation in WPDD;
 - Participate in task groups activities as much as resources allow; and
 - Make use of available WPDD reports; presentations, and annual meeting records.
- **Challenges:**
 - Resources and travel funds for participation in WPDD activities may become sparse;
 - Staff participation via teleconferences represents a challenge;
 - Knowledge transfer and continuity; and
 - WPDD needs staff with substantive expertise and multi-disciplinary knowledge.
- **Future Look:**
 - Significant increase in global decommissioning activities particularly power/RT reactors;
 - Significant development in decommissioning technologies (e.g.; remote & 3D modeling);
 - R&D needs in support of decommissioning & needs for training of skilled professionals;
 - Enhancing national/international collaboration and exchange of information;
 - Continued challenges to decommissioning of NPPs after severe accident, and Legacy Sites.
 - Planning for decommissioning waste management, funding, and use of lessons learned.



Part II: WPDD Task Groups Other Activities

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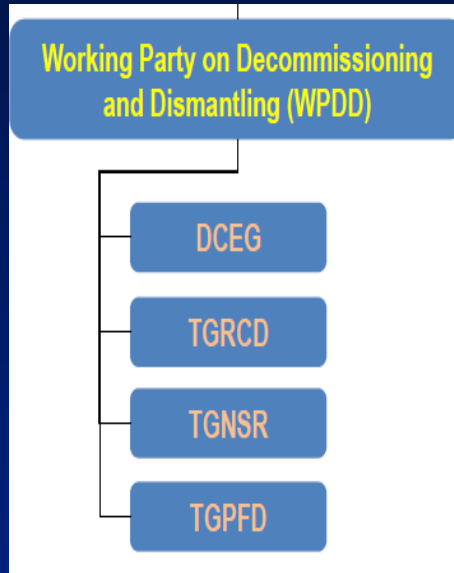
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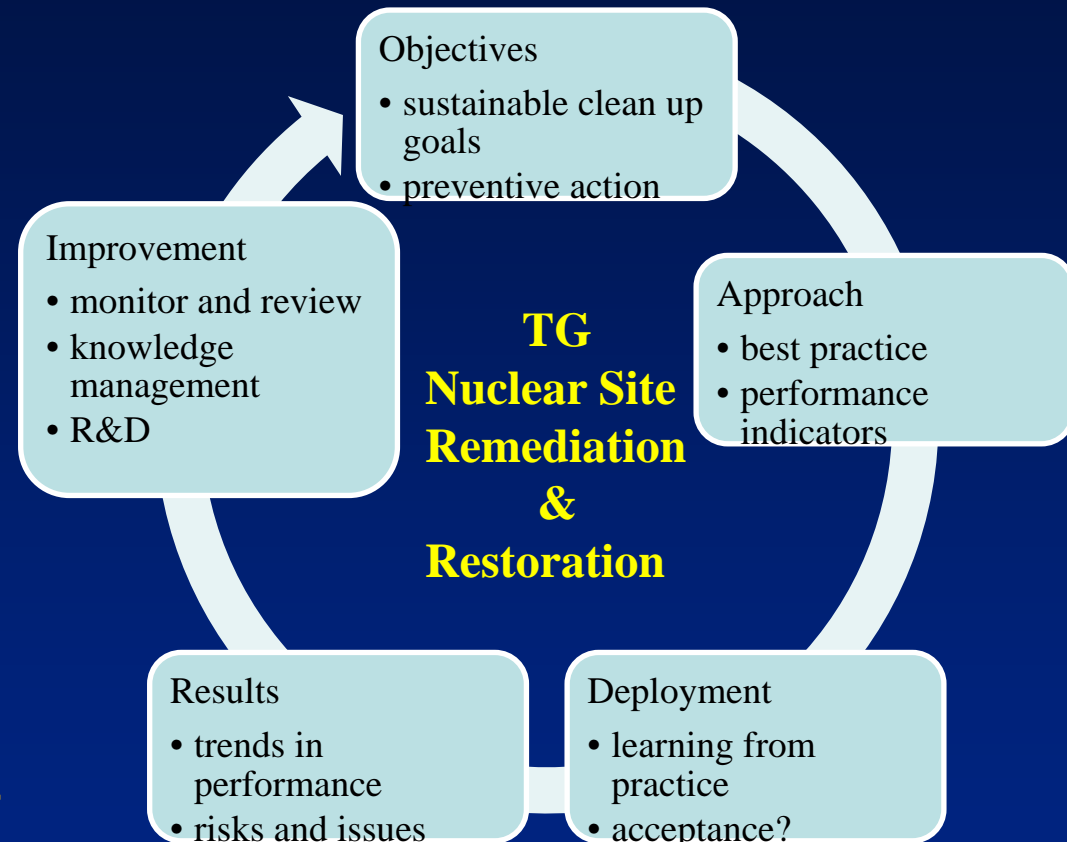
Further Information on Task Groups (TGs) DCEG, NSR, and PFD

Current WPDD TGs



TGNSR

Provide NEA member countries with up-to-date information and developing consensus regarding: objectives, approach, deployment, results, improvement on issues of Nuclear Site Remediation within a continuing learning cycle.



DCEG Task Group

DCEG Main Function & Objectives

- Exchange information and experience gained between NEA members on decommissioning cost estimation, promote collective learning, and enhance credibility, reliability, and auditability of the cost estimation process including enhancing stakeholder confidence;
- Define best practices in the field of decommissioning cost estimation;
- Advise WPDD on major emerging issues including appraisal of the state of art in the area of decommissioning;
- Define, conduct and oversee studies aimed at improving transparency and reproducibility of cost estimations,
- Where necessary, organize topical sessions or workshops on specific topics of interest to WPDD.

DCEG Key Products: (<http://www.oecd-nea.org/rwm/wpdd/>)

- [Cost Control Guide for Decommissioning of Nuclear Installations \(2013\)](#)
- [International Structure for Decommissioning Costing \(ISDC\) of Nuclear Installations \(2012\)](#)
- [Cost Estimation for Decommissioning: An International Overview of Cost Elements, Estimation Practices and Reporting Requirements \(2010\)](#)
- [Towards Greater Harmonization of Decommissioning Cost Estimates \(2010\)](#)

Task Group on Preparing for Decommissioning during Operation and Final Shutdown (TGPFDD)

Just Started: Kick-Off meeting held on March 4, 2015;

Anticipated Issues:

- **Address issues pertaining to decommissioning during and at the end of operation (e.g.; background conditions, records of abnormal releases, incidence, waste storage, environmental monitoring & records of inspection);**
- **Planning for minimization of contamination, waste inventory & categorization, and review of lessons learned;**
- **Assessment of available funds and initial decommissioning cost estimates.**
- **Review of decommissioning options and future time schedule;**
- **Maintain and update records on infrastructures and characterization in support of decommissioning;**
- **Design reviews for dismantlement and moving of large components.**
- **Planning for communication with stakeholders.**

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