

RP Program Highlights for 2011

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Presentation Overview

- **RP 2020 Overview**
- **Inform and Influence RP Regulations**
 - **New Plant Construction and Pre-operational RP Issues**
 - **Industry Comments on Draft Regulatory Guides**
 - **Carbon-14**
 - **Groundwater**
 - **Potential Changes to RP Regulations**

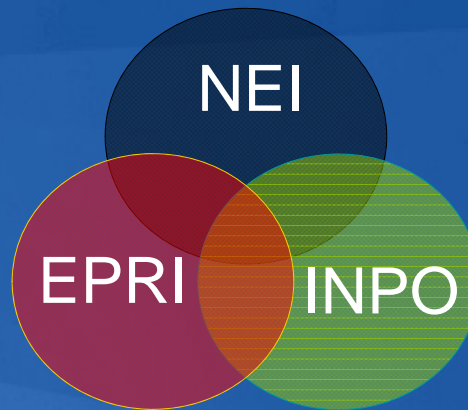
RP 2020 Goal

Reshape radiation protection at nuclear power plants to achieve significant improvements in safety performance and cost-effectiveness

Partners in Creating RP 2020

Radiation Protection Managers

Chief Nuclear Officers



NEI = Policy
INPO = Performance
EPRI = Research

Objectives

- 1. Reduce radiation fields (EPRI)**
- 2. Improve technologies utilization (EPRI)**
- 3. Align RP workforce supply & demand (NEI)**
- 4. Inform and influence RP regulations (NEI)**
- 5. Standardize RP practices (NEI/INPO)**
- 6. Improve RP transparency and openness (NEI)**

Inform and influence RP regulations

New Plant RP Issues

- ✓ **Completed 5 generic FSAR Templates**
- **Ongoing Coordination of 4 Construction and Pre-operational RP Issues:**
 - **Exposure of Workers**
 - **Use of Sources Of Radiation Not Licensed Under the COL**
 - **Excavation of Soil & Sediments and Pumping of Surface and Groundwater**
 - **Final Site Configuration Post Construction**

Comments on Draft Regulatory Guides

Draft Regulatory Guide Number	Current Regulatory Guide Number and Revision	Title	Status
DG-8039	8.40, Revision 0 (New)	Methods for Estimating Effective Dose Equivalent from External sources	Comments submitted on November 19, 2009; Published in July 2010
DG-1199	1.183, Revision 0 (2000)	Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors	Comments submitted in February, 2010
DG-8032	8.35, Revision 0 (1992)	Planned Special Exposures	Comments submitted on March 5, 2010
DG number not assigned	8.7, Revision 2 (2005)	Instruction for Recording and Reporting Radiation Dose Data	Advanced comments were provided on March 5, 2010.
Withdrawal	8.6 , Revision 0 (1973)	Standard Test Procedure for Geiger-Muller Counters	Concurrence letter for withdrawal was submitted on March 25, 2010. Document is withdrawn.
DG-8036	8.4, Revision 0 (1973)	Personnel Monitoring Device – Direct-Reading Pocket Dosimeters	Comments submitted on June 4, 2010
DG-8035	8.2, Revision 1 (1973)	Administrative Practices in Radiation Surveys and Monitoring	Comments submitted on Oct. 18, 2010

Industry Actions

- **Submitted comments to NRC on March 31, 2010 with 4 major messages:**
 - 1. Current regulatory framework provides adequate protection**



Industry Actions

2. Do not just revise regulations, reform them

- establish a uniform technical basis for all NRC radiation protection regulations and guidance documents
- place all primary dose standards, definitions and generically applicable requirements into Part 20 .
- place derived secondary values, guidelines and constraints in guidance rather than in regulations.
- utilize consolidated guidance to the extent practical -- one consolidated guide for each part.

Industry Actions

3. One science, one standard, one agency

- promote uniformity across Federal and state radiation protection regulations

4. Phased-in implementation

- to allow for appropriate budget and resource allocation for completing programmatic changes.



Industry Actions

- ✓ **Participated in NRC facilitated meetings**
 - ❖ **NEI Health Physics Forum - July, 2010**
 - ❖ **October, 2010 in Silver Spring, MD**
 - ❖ **November 2010 in Los Angeles, CA and Houston, TX**

- **Participating in EPRI Assessment of Potential Worker Dose Impact**

- **Will provide additional written comments to NRC by January 31, 2011**



**2011 Radiation Protection Forum
August 14 - 18
Seattle, Washington**