# Safety Conscious Work Environment (SCWE) for New Nuclear Construction (NEI 09-12)

presented by:

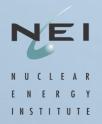
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on behalf of NEI

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#### **Agenda**

- Background and Safety Conscious Work
   Environment (SCWE) Facts
- Process used to develop NEI 09-12
- Status
- Plans moving forward



## **Background and Safety Conscious Work Environment Facts**

- What is SCWE; why discuss it in this setting?
- SCWE is critical to the infrastructure of current operating plants.
- SCWE has a constant daily focus in operating plants.
- SCWE is the key to ensure personnel identify issues.
- SCWE is critical to success at nuclear plants.



## **Background and Safety Conscious Work Environment Facts**

- Establishing and maintaining the SCWE will be more difficult for new nuclear construction than it typically is for operating nuclear plants
  - Workers without nuclear experience; having standard construction experience instead
  - Workers realize that their employment is "short term"; the nature of construction work
  - Lessons Learned from the latest-built plants of the 1980's



#### **Background and Facts**

- The ECP Forum is a group that works to share knowledge of Employee Concerns Programs in nuclear and non-nuclear industries.
- Industry documents that describe components of a SCWE program include:
  - RIS 2005-18 (Regulatory Issue Summary)
  - NEI 97-05
  - NRC Policy Statement



#### **Background and Facts**

- Over time, the nuclear industry has continued to increase expectations for SCWE.
- INPO\* provides oversight for this area as part of their processes.
- Lessons learned from nuclear construction were instrumental in identifying the need for SCWE in today's nuclear construction
- NPWG recognized the need for standardization



- Assembled a team including Vendors
   (E/P/Cs), Designers, COL Applicants /
   current Licensees, ECP experts, and others.
- Acquired SCWE programs for all participating E/P/Cs.
- Developed a list of SCWE type elements.
- Performed a review of the programs against those elements.



- Review indicated that some E/P/C programs:
  - were missing some elements,
  - were missing many elements, or
  - didn't have a program.
- Next we discussed what the process should include. We didn't want to duplicate what was contained in NEI 97-05 or what was contained in RIS 2005-18.
- Concluded that we wanted essentially everything.



- Capture the guidance in one document for ease of use.
- Began putting together a guideline for use.
- Believed it was better to omit the ECP piece in this guideline because NEI 97-05 does a good job of providing that guidance.
- Ensure we have a defined set of elements necessary to implement a SCWE.
- **Standardize the process.**

- Guideline
- Licensees really need to clearly articulate their plan for their construction sites.
- Standardizing SCWE will help the industry assure more consistent implementation.
- Construction site implementation



#### NEI 09-12 Status

- NPWG endorsed NEI 09-12.
- Conducted a workshop in November 2009
  - Audience was the E/P/Cs and COL applicants.
  - Discussed NEI 09-12 in detail.
  - Provided a training program within NEI 09-12.
  - Gave a final opportunity to get any other industry feedback.
- In February 2010, NEI issued NEI 09-12.



### **Plans moving forward**

- NEI 09-12 is available for all NEI members at www.nei.org
- E/P/Cs and COL applicants are encouraged to use this tool in planning their construction activities; the earlier in the process, the better results you can expect

