

# Industry Buried Piping Activities

Jim Riley

NEI

February 24, 2010



# Review

- Integrity of buried piping systems is an important issue
  - Potential safety effects
  - Operational
  - Radiological
  - Environmental
  - Financial
- Industry attention to buried piping integrity is not new
  - EPRI
    - Ongoing research
    - Buried pipe initiative - 2007
    - Buried Piping Program Guidelines - 2008
  - INPO
    - Evaluations since 2007
    - Focus area in 2009
  - NEI Ground Water Initiative - 2007

# Status

- Buried Piping Integrity Initiative passed on November 18, 2009
  - Commitment at the CNO level
  - Addresses all buried piping on site
  - Goal
    - Reasonable assurance of structural and leakage integrity of buried piping with special emphasis on piping that contains radioactive materials
- NEI Guideline (NEI 09-14, *Guideline for the Management of Buried Piping Integrity*) issued
- NEI Working Group and Task Force chartered

# Summary

- Leaks from buried piping are occurring and can challenge public confidence
- Buried piping leakage is not a significant nuclear safety or radiological concern
- Initiative is a significant commitment
- Reasonable assurance as intended by the Initiative goal exceeds “adequate protection”
  - Industry activities are above and beyond regulatory requirements and result in margin with respect to public health and safety
  - Guaranteeing “no leakage” is not possible

# Agenda

## Industry/NRC Meeting on Buried Pipe

### February 24, 2010

Time	Item	Presenter
8:30	Welcome and introductions	J Riley
8:45	NSIAC Initiative summary	<a href="#">J Riley</a>
9:00	NEI Guideline description	<a href="#">C Burton</a>
9:45	Initiative implementation Status Monitoring <ul style="list-style-type: none"> <li>• Milestones</li> <li>• Leak events</li> <li>• Inspection technology</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">J Riley</a></li> <li>• <a href="#">J Sears</a></li> <li>• <a href="#">B Clark</a></li> </ul>
10:15	Actions from previous meeting <ul style="list-style-type: none"> <li>• Communicating lessons learned</li> <li>• Addressing new materials</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">B Clark</a>, <a href="#">J Sears</a></li> <li>• <a href="#">B Clark</a></li> </ul>
11:00	Adjourn	