



# **ESTABLISHING A POSITIVE SAFETY CULTURE FOR 10 CFR PARTS 71 AND 72**

Kevin Witt, Office Allegation Coordinator  
Licensing Branch  
Division of Spent Fuel Storage and Transportation, NMSS  
U.S. Nuclear Regulatory Commission

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# Presentation Outline

- Safety Culture Background
- Commission Direction
- Areas of Consideration
- Discussion Questions

# Importance of Safety Culture

- Operating experience has demonstrated nexus with safety culture and events
- Safety culture contributes to the safe and secure use of radioactive materials
- NRC, as the regulator, considers the importance of safety culture in its oversight programs and activities
- Examples of safety culture

# Statement of Policy (76 FRN 34773)

*Sets forth the Commission's **expectation** that individuals and organizations performing regulated activities establish and maintain a positive safety culture commensurate with the safety and security significance of their activities and the nature and complexity of their organizations and functions*

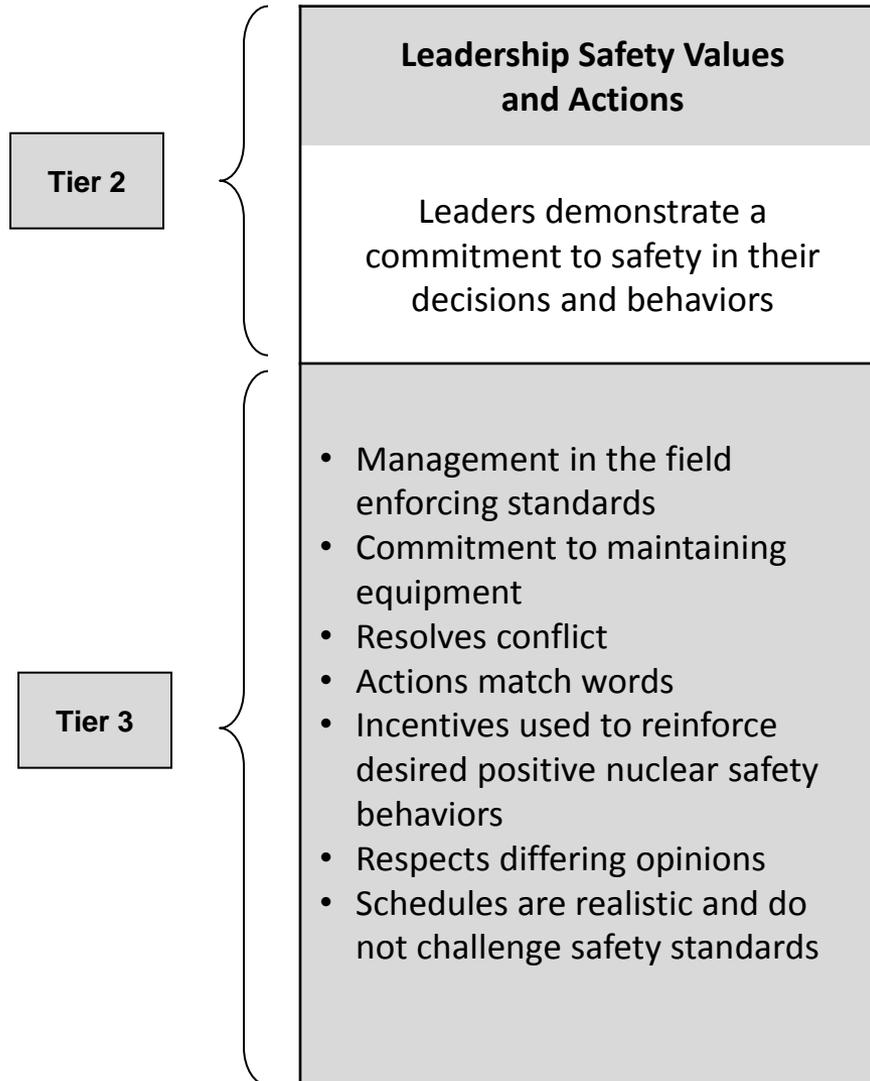
# Safety Culture Traits

- Leadership Safety Values and Actions
- Problem Identification and Resolution
- Personal Accountability
- Work Processes
- Continuous Learning
- Environment for Raising Concerns
- Effective Safety Communications
- Respectful Work Environment
- Questioning Attitude

# Commission Direction

- Commission direction is to “communicate and educate”
- Implementation activities require prior Commission review and approval

# “Leadership” Trait Exercise Example of Tier 3



These Tier 3 behaviors were developed through an “affinity diagramming” exercise by external stakeholders at an NRC-sponsored public workshop in February 2010. They are provided as an example of how behaviors could be developed and do not constitute an all-inclusive or NRC-endorsed listing.

# Areas of Consideration

- Discussing the SCPS with licensee/certificate holder senior management and workers
- Evaluating the effective use of corrective action programs through quality assurance program reviews
- Considering and incorporating safety culture into inspection programs

## **Areas of Consideration, cont'd**

- Revising the NRC qualification programs to include specific training on safety culture
- Evaluating how safety culture can be included in NRC staff guidance such as standard review plans

# Discussion Questions

- How can safety culture be integrated into NRC regulatory programs?
  - How can we increase attention to safety culture?
- What can we do to better define safety culture as applied to Part 71/72 activities?
- What are the potential pros and cons of placing more emphasis on safety culture?

## References

- February 2008 SRM-COMGBJ-08-0001 (initiated SCPS); Accession # ML102500672
- COMSECY-10-0007 (Project Plan for the Regulatory Program Review to Support Extended Storage and Transportation of Spent Nuclear Fuel); Accession # ML101390413
- March 2011 SECY-11-0005 (Proposed Final Safety Culture Policy Statement); Accession # ML103200087
- NRC safety culture website:  
<http://www.nrc.gov/about-nrc/regulatory/enforcement/safety-culture.html>

# Contact

- Steve Ruffin
  - [steve.ruffin@nrc.gov](mailto:steve.ruffin@nrc.gov)
- Kevin Witt
  - [kevin.witt@nrc.gov](mailto:kevin.witt@nrc.gov)

# Safety Culture Traits, detailed

<b>Leadership Safety Values and Actions</b>	<b>Problem Identification and Resolution</b>	<b>Personal Accountability</b>
<p>Leaders demonstrate a commitment to safety in their decisions and behaviors</p>	<p>Issues potentially impacting safety are promptly identified, fully evaluated, and promptly addressed and corrected commensurate with their significance</p>	<p>All individuals take personal responsibility for safety</p>
<b>Work Processes</b>	<b>Continuous Learning</b>	<b>Environment for Raising Concerns</b>
<p>The process of planning and controlling work activities is implemented so that safety is maintained</p>	<p>Opportunities to learn about ways to ensure safety are sought out and implemented</p>	<p>A safety conscious work environment is maintained where personnel feel free to raise safety concerns without fear of retaliation, intimidation, harassment or discrimination</p>
<b>Effective Safety Communications</b>	<b>Respectful Work Environment</b>	<b>Questioning Attitude</b>
<p>Communications maintain a focus on safety</p>	<p>Trust and respect permeate the organization</p>	<p>Individuals avoid complacency and continually challenge existing conditions and activities in order to identify discrepancies that might result in error or inappropriate action</p>