



# U.S. NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

*Protecting People and the Environment*

## **Making the Case for Safety Culture**



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# **Presentation Overview**

- **Safety Culture Policy Statement**
- **Outreach and Education**
- **Case Studies**
- **Activities Moving Forward**



# **Safety Culture Policy Statement**

- **Commission Direction**
- **Key Considerations**
- **Significant Milestones**



# **Safety Culture Policy Statement Definition**

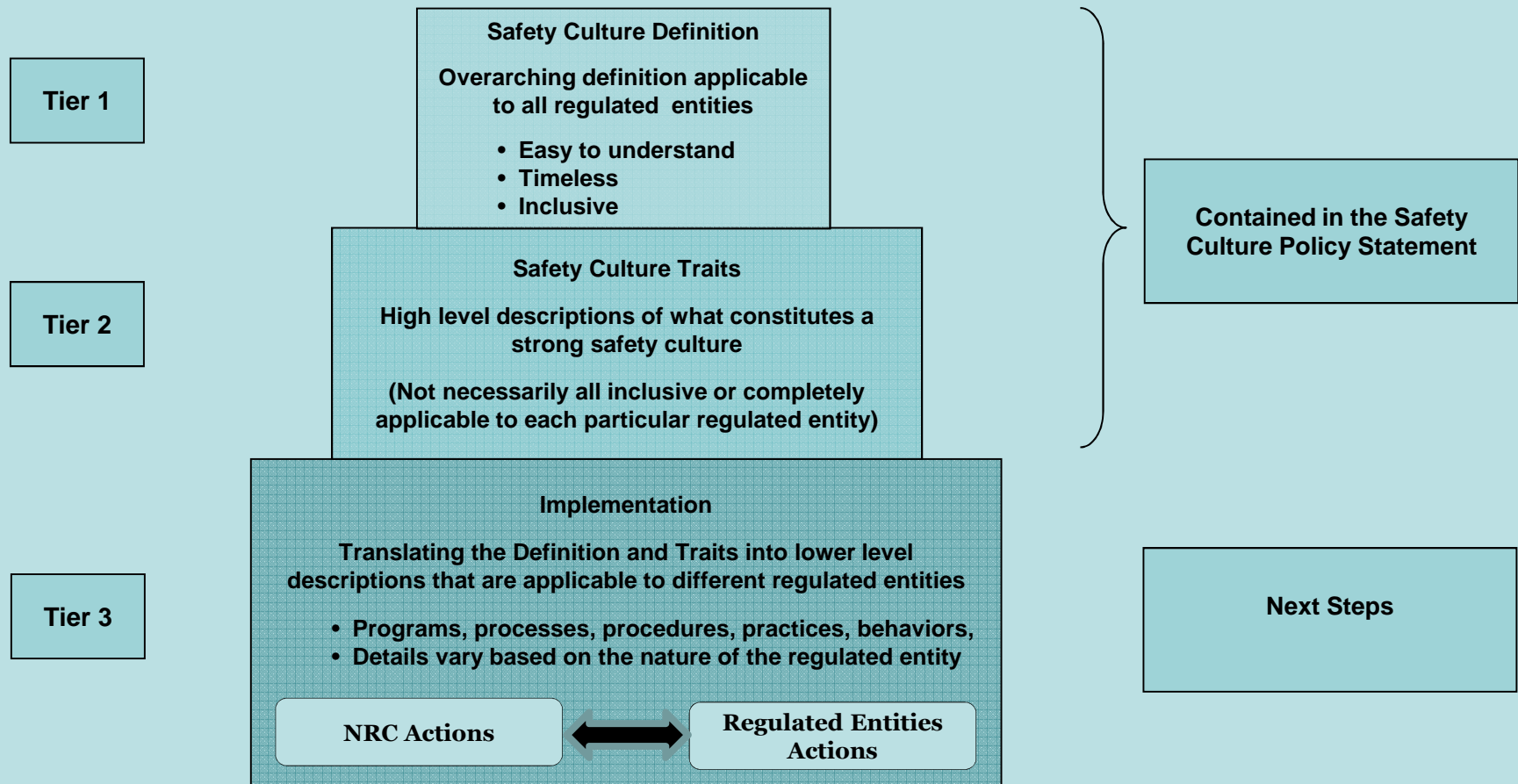
***Nuclear Safety Culture is the core values and behaviors resulting from a collective commitment by leaders and individuals to emphasize safety over competing goals to ensure protection of people and the environment.***



# **Safety Culture Policy Statement Traits**

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

# Safety Culture Policy Statement “Tiers”





# **Outreach and Education**

- **Licensees and External Stakeholders**
- **International Efforts – IAEA**
- **Conferences and Training**
- **Educational Tools**
  - **Case Studies**
  - **Brochure**
  - **Posters and other support materials**
- **NRC Safety Culture website**

# Collision of Two Washington, DC Metropolitan Area Transit Authority Metrorail Trains

- **Safety mission ⇔ competing interests**
- **Unaddressed safety issues**
- **Complacency**





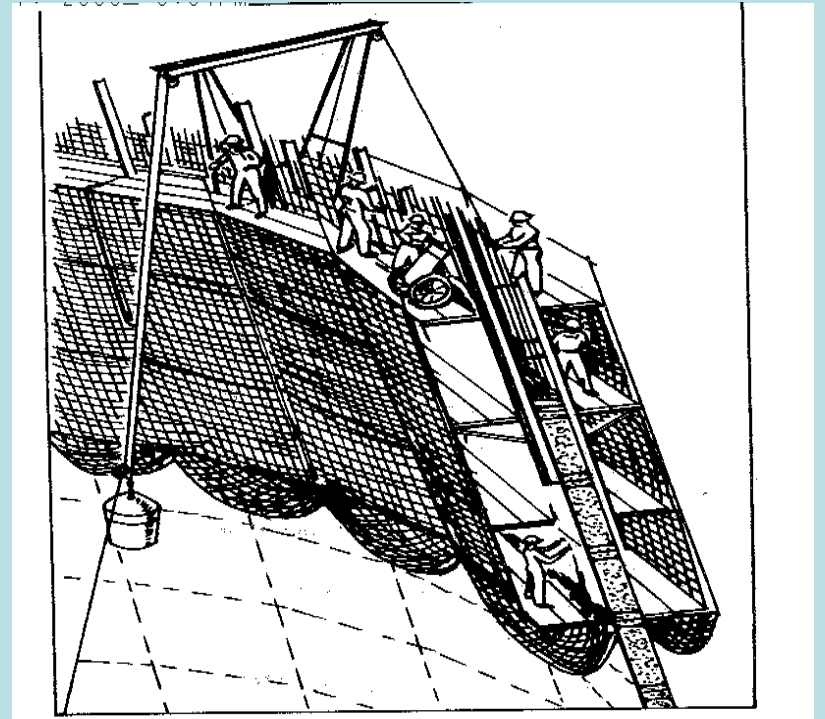
# Forced Landing on the Hudson

- **“Black Swan” Event**
- **Training techniques**
- **Questioning attitude**



# Partial Collapse of the Willow Island Cooling Tower

- **Poor leadership**
- **No defined roles**
- **Inadequate procedures**



# Upper Big Branch Mine Explosion

- **Weak safety culture**
- **Noncompliance**
- **Chilled work environment**





# **Safety Culture is a Journey**

- **View real life events through the lens of your own organization**
- **Consider what you can do to develop or strengthen your own safety culture**
- **Recognize that your safety culture should always be evolving**



# **Activities Moving Forward**

- **Continue outreach and education**
- **Complete common language initiative**
- **Assess effectiveness**
- **Propose new activities as needed**