



# **Safety Culture and RTRs**

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# Overview

- What is safety culture?
- What is the Safety Culture Policy Statement and how does it apply to RTRs?
- Recent RTR case studies of both positive and negative safety culture.
- Questions and comments

# **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.*

## **What does this mean, in general?**

- Emphasis on safety over competing production and monetary goals.
- Prompt identification and thorough resolution of nuclear safety issues.
- Adequate training, resources and procedures for personnel to do their jobs.

## **What does this mean for the RTR community?**

- Positive safety culture will aid to improve educational productivity.
- Positive safety culture typically results in fewer errors, therefore fewer NRC inspections are needed.

# **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**

# **How the Principles of Safety Culture are Applied**

- Continuity of Knowledge (Oregon State)
- Organizational Values (AFRRI)
- Recognition and Vigilance (Penn State)
- Communal Understanding (TRTR Newsletter)

# Events with Missed Opportunity

- Potential Overexposure Event at MIT
- Substantial Potential for Overexposure Event at Kansas State
- NC State Neutron Beam Exposure
- RINSC Chilling Effect



## **NRC Public Website**

<http://www.nrc.gov/about-nrc/regulatory/enforcement/safety-culture.html>