

### 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/aboutnrc/regulatory/enforcement/ safety-culture.html