The Nuclear Regulatory Commission's Oversight of Safety Culture

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Agenda

- The role of the NRC as an independent regulator
- History of safety culture at the NRC
- The NRC approach to oversight of safety culture
- Outreach and education of safety culture

Nuclear Regulatory Commission



- Established as independent agency in 1974
- Mission to ensure safe use of radioactive materials for civilian purposes, including nuclear power
 - Protect public health and safety
 - Promote the common defense and security
 - Protect the environment
- Accomplished through licensing, inspection and enforcement









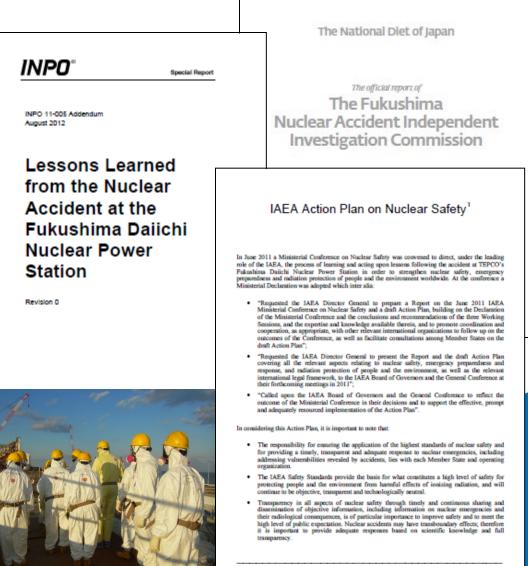
NRC's Safety Culture History

 1996 Commission Policy Statement: Freedom to Raise Safety Concerns Without Fear of Retaliation Davis-Besse Reactor Head Degradation Event NRC Reviewed Reactor Oversight Process (ROP) to more fully address safety culture Regulatory Issues Summary - ROP Regulatory Issues Summary - ROP Commission Direction to consider a Safety Culture Policy Statement (SCPS) Commission Approves Draft SCPS and Final Safety Culture Policy Statement published in June, 2011. 	1989	 Commission Policy Statement: Nuclear Power Plant Operations 	
 2002 • NRC Reviewed Reactor Oversight Process (ROP) to more fully address safety culture 2006 • Regulatory Issues Summary - ROP 2008 • Commission Direction to consider a Safety Culture Policy Statement (SCPS) 2011 • Commission Approves Draft SCPS and Final Safety Culture Policy Statement published in 	1996		
 2008 Commission Direction to consider a Safety Culture Policy Statement (SCPS) Commission Approves Draft SCPS and Final Safety Culture Policy Statement published in 	2002	NRC Reviewed Reactor Oversight Process (ROP)	
• Commission Approves Draft SCPS and Final Safety Culture Policy Statement published in	2006	Regulatory Issues Summary - ROP	
Safety Culture Policy Statement published in	2008		
	2011	Safety Culture Policy Statement published in	

Spotlight on Safety Culture



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



¹ The Action Plan was approved by the IAEA Board of Governors on 13 September 2011, as endorsed by the IAEA General Conference during its 55th regular seasion on 22 September 2011.

NRC's Role in Safety Culture



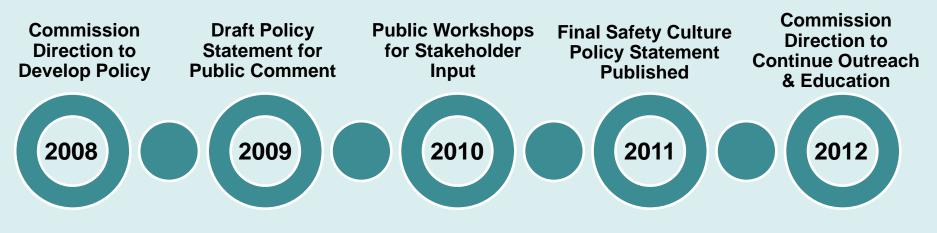
- Licensees bear primary responsibility for safety
- NRC's Safety Culture Policy Statement states
 expectation that licensees maintain a positive safety culture, but is not a regulatory requirement

Safety Culture Policy Statement



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 actions and the nature and complexity of their organizations and functions

Timeline



Outreach and Education Efforts

- Interactions with Licensees and External **Stakeholders**
- International Involvement
- Conferences and Training
- Educational Tools
 - Case Studies
 - Brochures
 - Posters and Support Materials
- NRC Safety Culture Website http://www.nrc.gov/about-

nrc/regulatory/enforcement/ safety-culture.html



U.S.NRC United States Nuclear Regulatory Commission Protecting People and the Environment

U.S.NRC SAFETY CULTURE Policy Statement

nent of Policy (SOP) sets

SOP applies to all licer cate holders, permit holder rization holders, holders of

ity assurance program approva

nts, and applic

Commission (NRC)

ividuals to emphasize safety over

le and the environment. Individual

ost of the effort

The following are traits of a positive safety cultu 1. Leadership Safety Values nd Actions

eaders demo their dec ons and behavi 2. Problem Identification and Resolution

Issues potentially impacting safety an promptly identified, fully evaluated. and promptly addressed and corrected commensurate with their significance. Personal Accountability

or safety. . Work Proces

The process of planning and controlling work activities is implemented so that safet

 Continuous Learning Opportunities to learn about ways to ensure safety are sought and implemented. 6. Environment for Raising Concerns A safety conscious work env intained where personnel feel free to raise

rns without fear of retal nidation, harassment, or discriminati . Effective Safety Commu

ommunications maintain a focus on safet . Respectful Work Environment rust and respect permeate the org

Questioning Attitude ht result in error or inappropriate action. ere may be traits not included in this

tant in a po e also important in a positiv e. It should be noted that th







the NRC's Final Safery Cult Policy Scatement, published





- NRC provides an oversight role in the area of safety culture
- NRC communicates safety culture expectations through the Safety Culture Policy Statement
- Outreach and education fosters understanding of safety culture and helps disseminate good practices