



U.S.NRC

UNITED STATES NUCLEAR REGULATORY COMMISSION

Protecting People and the Environment

NRC RTR Oversight Program

Johnny Eads

Chief, RTR Oversight Branch

U.S. Nuclear Regulatory Commission

Washington, DC

301-415-1471; johnny.eads@nrc.gov

September 22, 2010



Outline

- 2010 Inspection Findings and Trends
- 2011 Inspection Plans
- 2010 Examination Trends
- 2011 Examination Plans
- Community Feedback



2010 Inspection Summary

- 41 Routine Safety Inspections
- 18 Routine Security Inspections
- 6 Non-Routine Inspections
- 1 Backshift Unannounced Inspection
(Sunday night thru Monday morning)



Inspection Findings in 2010

- Level IV (cited) Requalification program failure to conduct required annual operating tests for reactor operators
- Level IV (non-cited) Missed TS calibration check of area and stack radiation monitors
- Level IV (non-cited) Reactor startup with TS required gas stack monitor inoperable
- Level IV (non-cited) Inoperable exhaust stack sampler pump during reactor operations
- Level IV (non-cited) Multiple TS required audits not completed as required



Facility Management Changes

- Major turnover of RTR management and staff continues from FY09 to FY10.
- Management of knowledge transfer is critical to continued regulatory compliance.
- Increased inspection focus on staffing issues



Tritium Leakage

- Two RTR facilities completed major maintenance to repair leaking components
- Uncontrolled tritium leakage remains a serious concern at all nuclear facilities.
- Even when leakage is less than planned release limits for tritium, **uncontrolled** leakage remains a major public confidence issue
- Emphasis placed on voluntary reporting and long term corrective action plans



Security Issues

- Increased number of alarm monitoring failures – 4 in 2010
- Dedicated phone lines disconnected or failed
- Computer routing failures
- Corrective actions include redundant routing of alarm signals, automated monitoring for failures, improved designation for critical alarm circuits



Inspector Assignments

	Craig Bassett	Greg Schoenebeck	Jack Donohue	Mike Morlang
Class 1	NIST		Rhode Island	
	MIT			
	UC -Davis			
	MURR			
Class II	Aerotest	GE	Dow	Ohio State
	Oregon State	Idaho State	NC State	Purdue
	Reed College	Kansas State	RPI	Mo. University
	U. Texas	Penn State	U. Florida	Texas A&M - AGN
	U. Utah	UC - Irvine	U. Mass - Lowell	Texas A&M -Triga
		U. New Mexico	USGS	U. Arizona
				U. Wisconsin
				Washington St



2011 Inspection Schedule

- 42 Routine Safety Inspections
- 8 Routine Security Inspections
- 7 Non-Routine Inspections
 - Aerotest
 - MIT
 - Reed College
 - Texas A&M – AGN
 - U. Florida
 - U. Maryland
 - U. Utah
- 1 Unannounced backshift inspection



2010 License Examination Trends

- 27 operator license examinations conducted for approximately 100 candidates
- 75 percent of examinations conducted had no failures
- 4 facilities had a greater than 50% failure rate including 1 with 100% failures



Examination Failure Trends

- Less than adequate management involvement in operator training
- Overconfidence in candidate preparedness with insufficient training conducted
- Failure to conduct candidate screening prior to NRC administered exams



FY 2011 Examination Schedule

- The 2011 operator examination schedule is filling up quickly
- 17 operator examinations already scheduled for FY 2011
- In FY 2011 cross-qualifying two inspectors to become license examiners for a total of 6 examiners being available

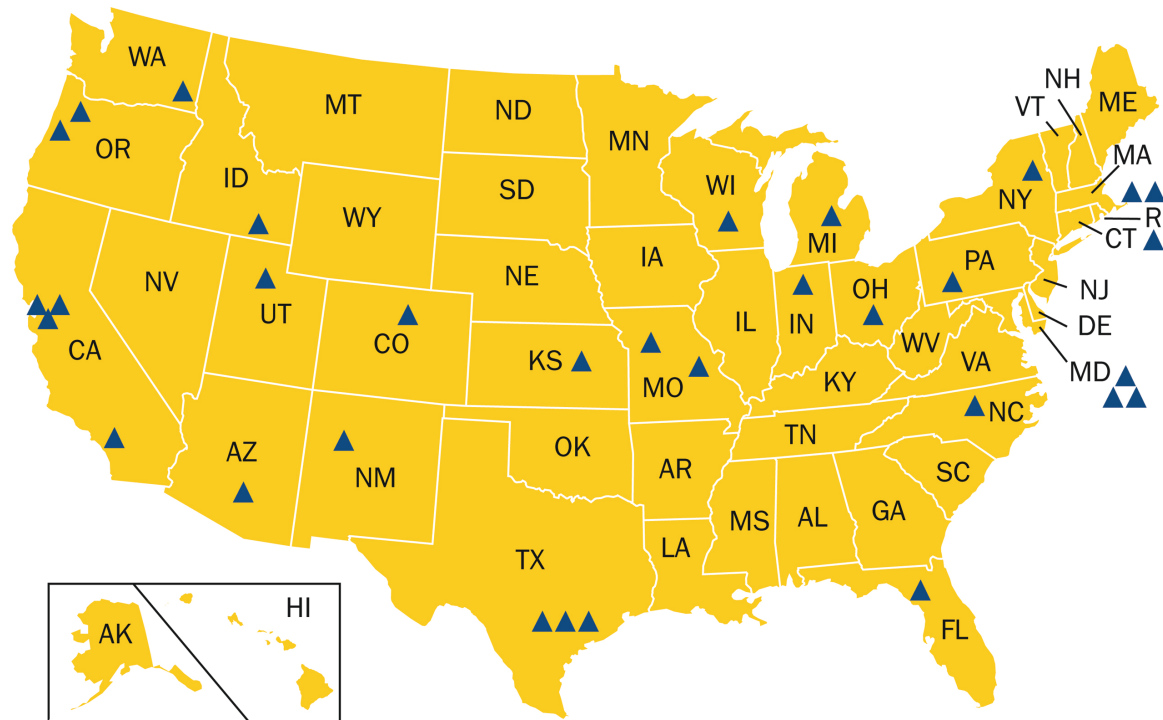


Community Feedback

- We are here to listen to your feedback
- Where can we improve our performance or processes?
- Other concerns or comments?

Questions and Answers from TRTR Community

U.S. Nuclear Research and Test Reactors



▲ Licensed/Currently Operating (32)

Source: U.S. Nuclear Regulatory Commission