



Briefing on the Results of the Agency Action Review Meeting

**Bill Borchardt, EDO
May 27, 2010**

Objectives

- **Review appropriateness of agency actions for reactor and material licensees**
- **Ensure coordinated courses of action**
- **Review industry trends**

Agenda

- **Industry Trends Program – Frederick Brown, NRR**
- **ROP Self-Assessment – Frederick Brown, NRR**
- **Materials and Waste Programs Performance – Charles Miller, FSME**

Agenda (cont.)

- **Licensee Discussions**
 - **Nuclear Fuel Services, Inc. – Victor McCree, RII**
 - **Department of Veterans Affairs, Philadelphia Medical Center – Mark Satorius, RIII**

Reactor Assessments

**Frederick Brown, Director
Division of Inspection and
Regional Support, NRR**

Reactor Industry Trends Program

- **Identifies Trends in Safety Performance**
- **Communicates Performance To Stakeholders**
- **Supports NRC Performance Goals and ROP Enhancements**

FY 2009 Reactor Trend Results

- **No Statistically Significant Adverse Trends in Safety Performance**
- **No Short term Prediction Limits were Exceeded**
- **No Significant Accident Sequence Precursors**

ROP Self-Assessment

- **Reviewed Against Program Goals**
- **Met Performance Goals and Achieved Intended Outcomes**
- **Focused Agency and Industry Resources Based on Performance**

ROP Discussion Topics

- **Action Matrix Deviations**
- **Consistent ROP Resources**
- **ROP Enhancement Process**

2009 ROP Achievements

- **Continued to Improve the PI Program**
- **Enhanced Relocation and Retention Processes for Resident Inspectors**
- **Improved Assessment Program Guidance and Communications**

2010 ROP Focus Areas

- **Develop Framework to Evaluate Potential New PIs**
- **Further Incorporate Operating Experience into Inspection Process**
- **Consider Additional Safety Culture Enhancements**

Materials Assessments

**Charles Miller, Director
FSME**

Materials and Waste Programs Performance

**Summary of the materials and
waste program's performance**

Performance Evaluation Program

- **Systematic review to identify significant:**
 - **Operational performance trends**
 - **Licensee performance issues**
 - **NRC program issues/gaps**

Performance Criteria

- **Strategic Outcomes**
- **Performance Measures**
- **Abnormal Occurrences**
- **Significant Enforcement Actions**
- **Trending review of Event Data**
- **SECY-02-0216 and SECY-08-0135**

Strategic Outcomes & Performance Measures

- **All Strategic Outcomes were realized**
- **Performance Measures were all within the established goals**

Abnormal Occurrences

- **Nine abnormal occurrences (AOs) in FY 2009**
- **All AOs in FY 2009 were medical-related events**
- **No discernable trends on total number of AOs**

Licensee Performance/ NRC Program Gaps

- **Two nuclear materials licensees met the significant performance issues criteria for FY 2008**
- **No significant trending issues identified**
- **No NRC program gaps or failures identified**

Review of Portable Gauge Losses and Thefts

- **Data Reviewed to determine:**
 - **Any trends in the area of portable gauge losses and thefts in general**
 - **Any measurable results from the 30.34(i) rulemaking that became effective in 2005**

Review of Portable Gauge Losses and Thefts

Conclusions:

- **Statistically significant decreasing trend in the number of events for the last 10 years**
- **Significant decrease in the number of portable gauge events since 2005**

Review of Nuclear Fuel Services Performance

**Victor McCree, Deputy Regional
Administrator for Operations, RII**

Nuclear Fuel Services

- **Basis for Discussion**
- **NFS Performance Overview**
- **Recent Performance**
- **NRC Response**
- **NRC Oversight**
- **Next Steps**

Basis for Discussion

- **Significant Performance Issues for more than one Inspection Period**
- **Unique Performance Aspects Requiring Additional Oversight**

Performance History

- **February 2007 Confirmatory Order**
- **NFS and NRC Response to Confirmatory Order**
- **NFS Performance Since February 2007**
- **November 2009 Confirmatory Order**

Recent Performance

- **Startup Of UF6 Commercial Development – Summer 2009**
- **Operational upset in Uranium Aluminum Process Line – October 2009**
- **Fire in UF6 Commercial Development Line – November 2009**

NRC Response to Recent Performance

- **Augmented Inspection Team (AIT) Inspection of October 2009 Upset**
- **Interim Performance Assessment**

NRC Response to Recent Performance

- **NFS Commitment to Maintain All Process Lines Shutdown**
- **NRC Issued Confirmatory Action Letter – January 2010**

NRC Recent Oversight Initiatives

- **AIT Public Exit Meeting – March 2010**
- **NRC Restart Readiness Assessment Team (RRAT) Inspection**
- **Navy Fuel Process Restart Authorized – March 2010**
- **Enhanced Oversight of Navy Fuel Process Line Restart Activities**

NRC Recent Oversight Initiatives

- **RRAT Inspection Public Exit Meeting – April 2010**
- **RRAT Inspection of Additional Process Line - Ongoing**
- **Enhanced Oversight of Process Line Restart Activities**

Next Steps

- **Conduct Readiness Assessment Inspections for Additional Process Lines**
- **Assess Effectiveness of 2007 Confirmatory Order and Determine Appropriate Future Oversight**

Review of Department of Veterans Affairs Performance

**Mark Satorius, Regional
Administrator, RIII**

Materials Licensee Briefing on the U.S. Department of Veterans Affairs

- **Performance History**
- **NRC Actions**
- **Current Performance**
- **Next Steps**

Performance History

- **Substantial Programmatic Breakdown**
- **97 Medical Events Reported**
- **17 Medical Events Reported Were Also Abnormal Occurrences**
- **Lack of a Safety Culture**

NRC Actions

- **Two Special Inspections**
- **Confirmatory Action Letter**
- **Significant Enforcement Action with Substantial Civil Penalty**
- **Extent of Condition Inspection**
- **Predecisional Enforcement Conference**

Current Performance

- **Philadelphia VA Prostate Implant Program Shutdown June 2008**
- **Programmatic Actions Taken to Improve Performance**
- **VA Inspected All Other Active Prostate Implant Programs**

Next Steps

- **Increased NRC Inspection Effort**
- **Enhanced Oversight of VA Inspection Program**
- **Continued Management Presence**
- **Explore NRC Program Improvements**

Conclusions

List of Acronyms

- **AARM – Agency Action Review Meeting**
- **AIT – Augmented Inspection Team**
- **AO – Abnormal Occurrence**
- **ASP – Accident Sequence Precursor**
- **CY – Calendar Year**

List of Acronyms (cont)

- **EDO – Executive Director of Operations**
- **FMSE – Office of Federal and State Materials and Environmental Management Programs**
- **FY – Fiscal Year**
- **ITP – Industry Trends Program**
- **MD – Management Directive**

List of Acronyms (cont)

- **MSPI – Mitigating Systems Performance Index**
- **NEI – Nuclear Energy Institute**
- **NFS – Nuclear Fuel Services**
- **NMSS – Office of Nuclear Material Safety and Safeguards**
- **NRC – Nuclear Regulatory Commission**

List of Acronyms (cont)

- **NRR – Office of Nuclear Reactor Regulation**
- **PI – Performance Indicator**
- **RII – Region II**
- **RIII – Region III**
- **ROP – Reactor Oversight Process**
- **RRAT – Restart Readiness Assessment Team**

List of Acronyms (cont)

- **SECY – Office of the Secretary**
- **SSFF – Safety System
Functional Failure**
- **UF6 – Uranium Hexafluoride**
- **VA – Department of Veterans
Affairs**