



# **Briefing on the Agency Action Review Meeting**

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**May 16, 2006**

# List of Acronyms

- **AARM** – **Agency Action Review Meeting**
- **AFI** – **Area for Improvement**
- **AO** – **Abnormal Occurrence**
- **ASP** – **Accident Sequence Precursor**
- **CAL** – **Confirmatory Action Letter**
- **CY** – **Calendar Year**
- **EDO** – **Executive Director for Operations**
- **FY** – **Fiscal Year**
- **HP** – **Human Performance**
- **IMC** – **Inspection Manual Chapter**
- **IP** – **Inspection Procedure**
- **MSPI** – **Mitigating Systems Performance Index**

# List of Acronyms (cont)

- **NMED** – **Nuclear Materials Events Database**
- **NMSS** – **Office of Nuclear Material Safety and Safeguards**
- **OSTP** – **Office of State and Tribal Programs**
- **PI** – **Performance Indicator**
- **PI&R** – **Problem Identification and Resolution**
- **PRA** – **Probabilistic Risk Assessment**
- **ROP** – **Reactor Oversight Process**
- **SC** – **Safety Culture**
- **SCWE** – **Safety Conscious Work Environment**
- **SDP** – **Significance Determination Process**

# **Elements of the AARM**

- **NRC Management Directive 8.14**
- **Review of agency actions:**
  - ▶ **Significant nuclear material issues and licensee trends (SECY-06-0087)**
  - ▶ **Industry trends (SECY-06-0076)**
  - ▶ **Reactor Oversight Process (ROP) self-assessment (SECY-06-0074)**
  - ▶ **Individual plants per Action Matrix**



# **MATERIALS AND WASTE PROGRAMS PERFORMANCE**

**Jack Strosnider, NMSS**

# **Performance Evaluation Program**

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

# **Performance Criteria**

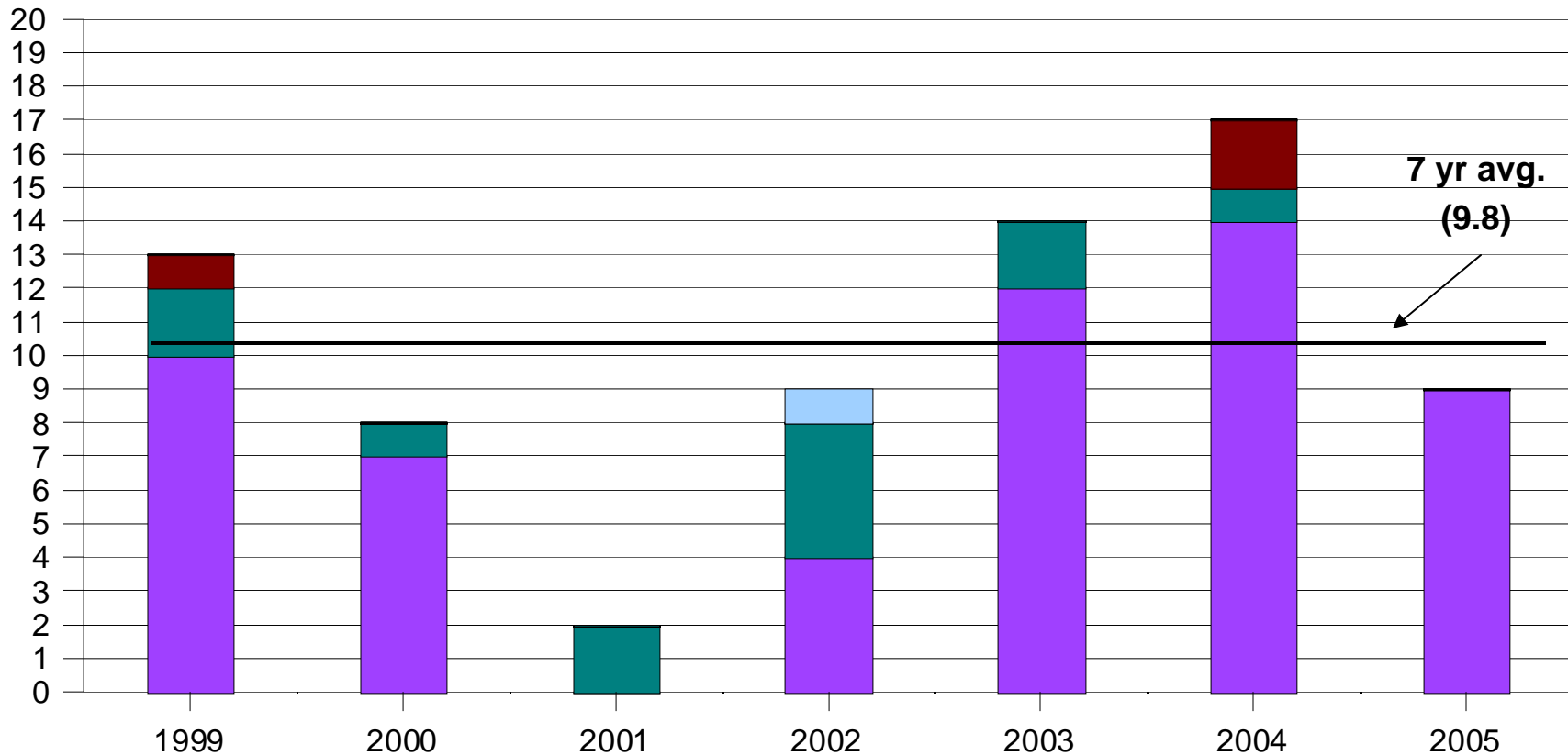
- **Strategic Outcomes**
- **Performance/Precursor Measures**
- **Abnormal Occurrences**
- **Significant Enforcement Actions**
- **SECY-02-0216 Criteria**
  - ▶ **Significant licensee performance issues**
  - ▶ **NRC program gaps**
- **Trending review of Event Data**





# **Strategic Outcomes and Performance Measures**

- **All Strategic Measure goals met in FY 2005**
- **All Performance and Precursor Measure goals met in FY 2005**

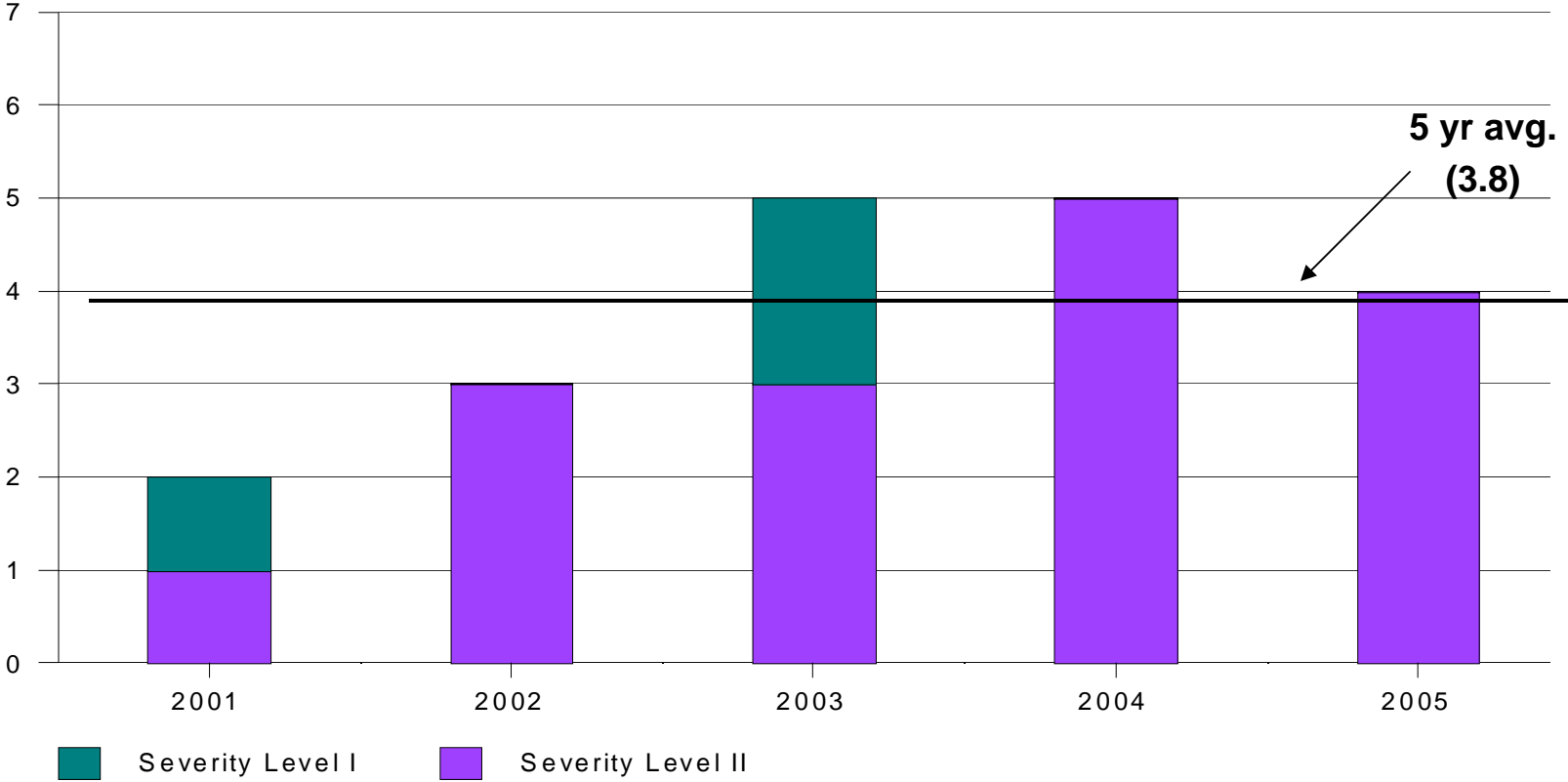


# Abnormal Occurrences



-  Elevated External Radiation Levels / Removable Contamination
-  Fuel Cycle Facility
-  Personnel Overexposure
-  Medical / Dose to Embryo

# Significant NRC Enforcement Actions



# **Trending Review of Event Data**

- 16 quarters reviewed (10/01/01 to 9/30/05), 2038 events during this period.**
- No significant performance trends identified.**
- No significant change from previous 16-quarter period (10/01/00 to 9/30/04): 2060 events during that period**

# **Licensee Performance Issues/ NRC Program Gaps**

- No licensee performance issues identified per SECY-02-0216**
- No significant trending issues identified**
- No NRC program gaps or failures identified**

# **Conclusion**

- **All strategic and performance goals met in FY 2005**
- **No adverse performance trends identified**
- **No licensee performance issues reaching AARM threshold**
- **NRC Programs providing effective oversight**



# **REACTOR LICENSEE BRIEFING**

**James Dyer, NRR**

**Stuart Richards, NRR/ADRO/DIRS**

**James Caldwell, RIII**

# **Reactor Industry Trends Program**

- **Identifies trends in safety performance**
- **Communicates performance to stakeholders**
- **Provides feedback to ROP**
- **Supports NRC performance goals**

# **FY 2005 Results**

- **No statistically significant adverse trends in safety performance based on long-term trending**
- **Safety System Actuation Indicators Exceeded Prediction Limit in FY2006**
- **Accident Sequence Precursor (ASP) Program**



# **ROP Self-Assessment**

- **Annual self-assessment to consider if program goals are met and to identify areas for improvement**
- **Diverse inputs for self-assessment**
  - ▶ **Self-Assessment metrics**
  - ▶ **ROP internal feedback process**
  - ▶ **Independent Evaluations**
  - ▶ **Comments from external survey**
  - ▶ **Feedback at meetings/conferences**
  - ▶ **Direction from the Commission**

# Overall Results

- **Effective in monitoring plant activities and focusing resources**
- **Successfully achieved performance goals and intended outcomes**
- **ROP improved based on feedback and lessons learned**
- **Most metrics were met**
- **Continued focus on stakeholder involvement**
- **Range of views on ROP**

# **Performance Indicator Program**

- **Significant activities/results**
  - ▶ **MSPI implemented**
  - ▶ **Improved Frequently Asked Question process**
  - ▶ **Efforts to improve PI effectiveness**
  - ▶ **Three of seven metrics not met**

# **Performance Indicator Program (cont)**

- **Challenges and planned actions**
  - ▶ **Complete MSPI implementation**
  - ▶ **Discussion with stakeholders on increasing PI effectiveness**
  - ▶ **Improvements in barrier integrity and initiating events PIs**

# **Inspection Program**

- **Significant Activities/Results**
  - ▶ **Baseline Inspection Program completed at all plants**
  - ▶ **Implemented Davis-Besse lessons learned and Office of Inspector General recommendations**
  - ▶ **Adjusted resources based on detailed inspection procedure analysis**
  - ▶ **Piloted engineering inspections**
  - ▶ **One of eleven metrics not met**

# **Inspection Program (cont)**

- **Challenges and planned actions**
  - ▶ **Refine process to ensure effective use of resources**
  - ▶ **Conduct revised engineering inspections**
  - ▶ **Develop guidance and training for safety culture**

# **Significance Determination Process**

- **Significant activities/results**
  - ▶ **SDP improvement plan progress**
  - ▶ **Continued SDP improvements**
  - ▶ **Developed Pre-solved Phase 2 tables**
  - ▶ **Two of eight metrics not met**

# **Significance Determination Process (cont)**

- **Challenges and planned actions**
  - ▶ **Further improve SDP timeliness/efficiency**
  - ▶ **Monitor recent process improvements**
  - ▶ **Issue pre-solved Phase 2 tables**
  - ▶ **NRC management review option**



# **Assessment Program**

- **Significant activities/results**
  - ▶ **Improved guidance on cross-cutting issues**
  - ▶ **Improved guidance on IMC 0350 process based on lessons learned**
  - ▶ **Developed approach for addressing safety culture**
  - ▶ **One of eleven metrics not met**

# **Assessment Program (cont)**

- **Challenges and planned actions**
  - ▶ **Implement safety culture enhancements and associated training**
  - ▶ **Assess improved guidance on cross-cutting issues**

# **ROP Deviations**

- **Davis-Besse – May 2005**
  - **Salem/Hope Creek – July 2005**
  - **Indian Point Unit 2 – October 2005**
  - **Point Beach – December 2005**
- 
- **Deviations reviewed and resulted in some programmatic changes**

# **Resources/Resident Demographics**

- **Resource expenditures trending up; increased regional budget**
- **Demographic trends**
  - ▶ **Experience level remains high**
  - ▶ **Site staffing levels steady**
  - ▶ **Resident turnover rate not excessive**

# **Plant Discussion Davis-Besse**

- **Reason for Discussion**
  - ▶ **IMC 0350 to ROP during 2<sup>nd</sup> Qtr**
  - ▶ **ROP Deviation - inspect licensee assessments**
- **Current Performance - Column I**
- **Next Steps - Continue ROP Deviation**

# **Plant Discussion – Perry**

- **Reason for Discussion**
  - ▶ **Column IV Since August 2004**
- **Current Performance**
  - ▶ **Column IV**
  - ▶ **Two White Findings Remain Open**
  - ▶ **HP and PI&R Cross-Cutting Issues**
- **Next Steps**
  - ▶ **CAL Follow-up Inspections**

# **Plant Discussion Point Beach**

- **Reason for Discussion**
  - ▶ **Column IV**
- **Current Performance**
  - ▶ **Engineering Issues remain**
- **Next steps**
  - ▶ **CAL revised, focus on engineering**

# Summary

## **The AARM:**

- **Is important for oversight of both the Materials and Reactor Programs**
- **Continues to be an integral part of the NRC process**
- **Provided opportunity to review NRC actions taken for licensees with performance problems**
- **Provided opportunity to review industry and licensee performance trends**