

**COMMISSION BRIEFING SLIDES/EXHIBITS**

**BRIEFING ON RESULTS OF THE  
AGENCY ACTION REVIEW MEETING**

**MAY 4, 2004**



# **AARM COMMISSION BRIEFING**

**Luis Reyes  
James Dyer  
Jack Strosnider  
Stuart Richards**

# **Elements of the Agency Action Review Meeting**

- **NRC Management Directive 8.14**
- **Review of agency actions:**
  - **Industry trends (SECY-04-0052)**
  - **ROP self-assessment (SECY-04-0053)**
  - **Significant nuclear material issues and Licensee Trends (SECY-02-0216)**
  - **Individual plants per action matrix**

# **Reactor Industry Trends Program**

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

# **FY 2003 Results**

- **No statistically significant adverse industry trends in safety performance**
- **Three “Early Warning” prediction limits were exceeded**
  - **Auto Scrams**
  - **Safety System Actuations**
  - **Equipment Forced Outage Rate**

# **FY 2003 Results (cont)**

- **Accident sequence precursor data relatively flat since 1994**
- **Insufficient data on ROP indicators for long term trending**

# **Industry Trends Program Development**

- **Risk-informed indicators**
  - **Indicators for ROP cornerstones**
  - **Initiating Event Performance Indicator (BRIIE)**
  
- **Operating Experience**

# **ROP Self-Assessment**

- **NRC Inspection Manual Chapter (IMC) 0307**
- **Diverse inputs for self-assessment**
  - ▶ **Self-Assessment Metrics**
  - ▶ **ROP Internal Feedback Process**
  - ▶ **Independent Evaluations**
  - ▶ **Comments from External Survey**
  - ▶ **Feedback at Meetings and Conferences**
  - ▶ **Direction from the Commission**



# Overall Results

- **Effective in monitoring plant activities and focusing resources**
- **Successfully supported agency goals**
- **ROP improved based on feedback and lessons learned**
- **Most metrics were met**
- **Continued focus on stakeholder involvement**
- **Range of views on ROP is mixed**

# **Performance Indicator (PI) Program**

- **Significant activities/results**
  - ▶ **MSPI activities discussed separately**
  - ▶ **Complicated Scrams PI**
  - ▶ **12/18 PIs green for all plants in CY2003**
  - ▶ **All self-assessment metrics met but one**
- **Challenges and planned actions**
  - ▶ **Assessment of PI Program**
  - ▶ **Individual PI improvements**

# **Inspection Program**

- **Significant activities/results**
  - **Baseline Inspection Program completed**
  - **Implemented several Davis-Besse Lessons Learned Task Force (DBLLTF) actions**
  - **Evaluated all inspection procedures**
  - **Revised several procedures**
  - **All self-assessment metrics met**
- **Challenges and planned actions**
  - **Additional DBLLTF actions**
  - **Engineering design inspections**

# **Significance Determination Process (SDP)**

- **Significant activities/results**
  - **SDP improvement plan progress**
  - **Phase 2 notebooks**
  - **Continued development of SDPs**
  - **Two self-assessment metrics not met, but accuracy and timeliness improved**
- **Challenges and planned actions**
  - **Develop pre-solved Phase 2 SDP tables**
  - **Finalize additional SDPs**

# **Assessment Program**

- **Significant activities/results**
  - **Enhanced IMC 0350 guidance**
  - **Evaluated action matrix thresholds**
  - **Flexibility for public meetings**
  - **All self-assessment metrics met**
- **Challenges and planned actions**
  - **Monitor recent IMC changes**
  - **Substantive cross-cutting issues**

# **Self-Assessment Process and Independent Evaluations**

- **Continued improvements to IMC 0307**
- **3 of 19 overall program metrics not met**
- **Independent evaluations**
  - **OMB PART gave “effective” rating**
  - **OIG audits**
  - **DBLLTF action items**

# **Resources / Resident Demographics**

- **Resource expenditure trends**
- **CY 2003 resource challenges**
- **Demographic trends**
  - **High turnover due to promotions and transfers**
  - **Few inspectors leaving the NRC**

# **MSPI Program**

- **As piloted, represents a fundamental change in how NRC inspects and assesses licensee performance**
  - **Present approach – prompt inspection/assessment of each failure**
  - **MSPI pilot approach - react if 3 year trend exceeds threshold**



# **MSPI Program (cont)**

- **Activities Going Forward**
  - **Working with internal stakeholders**
  - **Consolidate staff concerns with as-piloted MSPI**
  - **Consider modified MSPI and other possible solutions to achieving the intended goal**

# Material Licensee Trends

- **Program Purpose and Role (SECY-02-0216)**
- **FY 2003 Results**

# **Program Purpose and Role**

- **Systematically review available information and identify candidate material licensees for AARM discussion**
- **Systematically review available information and identify significant issues and performance trends**
- **Confirm adequacy of programs and actions being taken**

# **FY 2003 Results**

- **One plant identified and discussed at the AARM**
- **No discernable adverse trends in safety performance identified**
  - **Abnormal occurrence data**
  - **Strategic plan performance goals and measures data**
  - **Escalated enforcement data**
  - **Screening criteria for AARM**
  - **NMED data**



# **PLANT DISCUSSION BRIEFING**

**Luis Reyes  
James Dyer  
Hubert Miller  
James Caldwell  
Bruce Mallett**

# **Assessment Process under the ROP**

- **End-of-cycle meetings - all plants**
- **EOC summary meeting - specific plants based on ROP action matrix column**
- **Annual assessment letters - all plants**
- **Annual public meetings - all plants**
- **Agency Action Review Meeting - specific plants based on ROP action matrix column**

# **Plant Discussion - Cooper**

- **Background**
- **Inspection activities**
- **Current status**
- **Public interface**
- **Next steps**

# **Cooper CAL Assessment**

- **Emergency Preparedness**
- **Human Performance**
- **Material Condition/Equipment Reliability**
- **Plant Modification/Configuration Control**
- **Corrective Action Program**
- **Engineering Programs**



# **Plant Discussion - Point Beach**

- **Background**
- **Inspection activities**
- **Current status**
- **Public interface**
- **Next steps**

# **Davis-Besse Informational Update**

- **Basis for restart decision**
- **Confirmatory order issued with restart approval**
- **Commitments in Cycle 14 Operational Improvement Plan and Restart Report**
- **Licensee performance during startup activities**
- **Inspection and oversight during calendar year 2004**

# **Material Licensee Discussion- Honeywell**

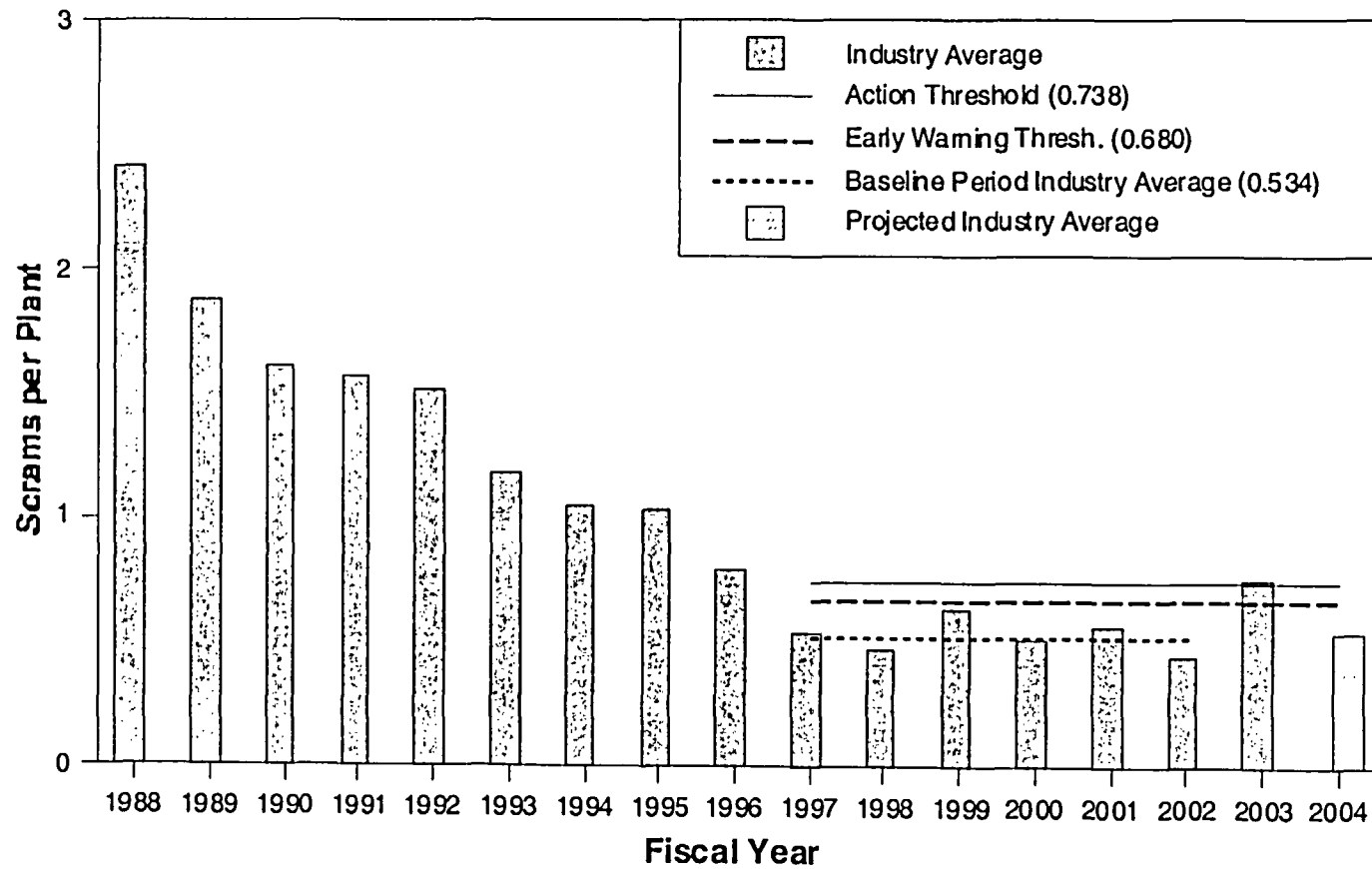
- **Background plant information**
- **December 22, 2003 event**
  - ▶ UF6 release
  - ▶ Licensee response
  - ▶ NRC post-event actions
- **Prior licensee performance**
- **Future NRC actions**



# BACKUP SLIDES

# Industry Trends

## Automatic Scrams While Critical



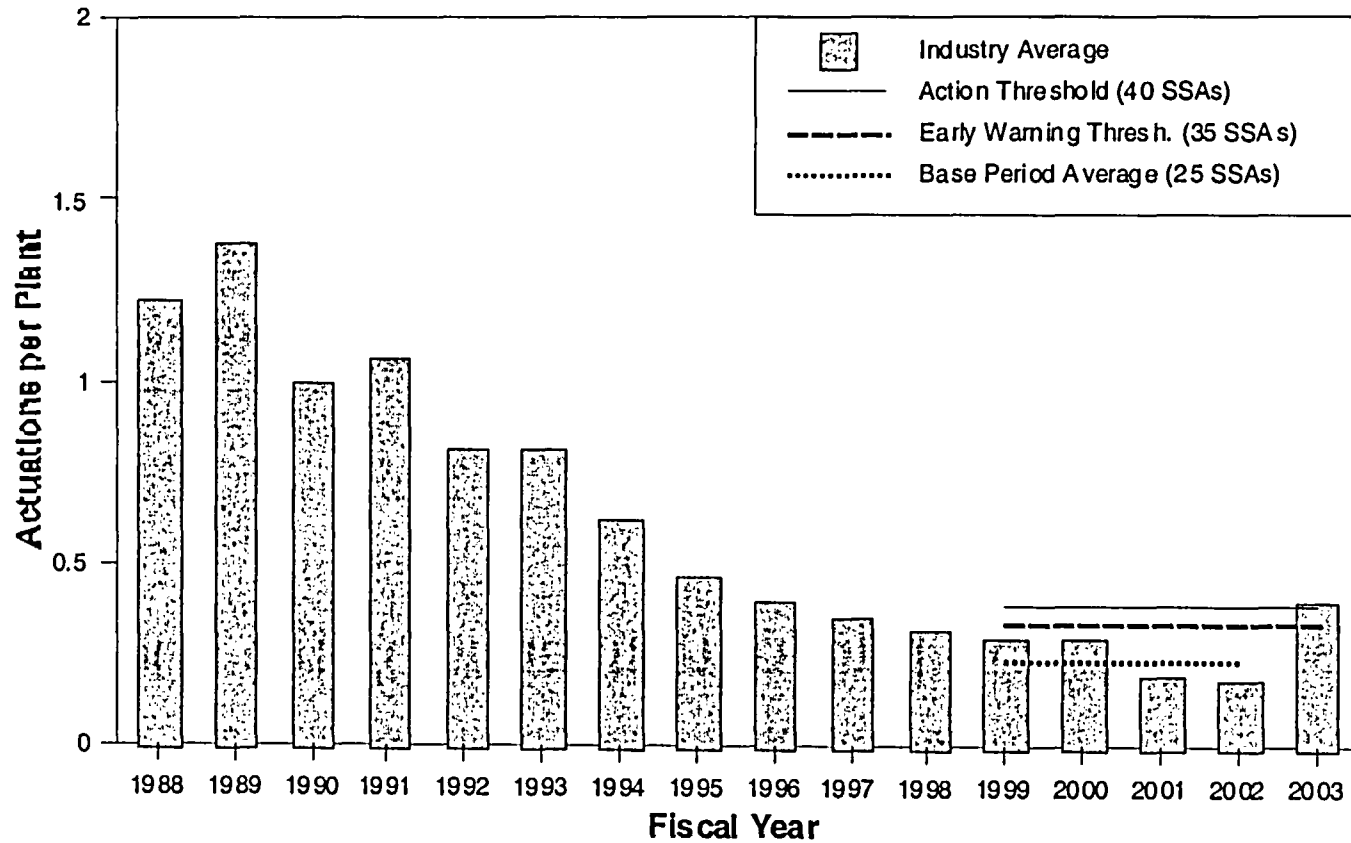
# Industry Trends

FY2003 Grid/Connection to Grid SCRAMS

<b>Cause of Scram</b>	<b>Number</b>
<b>Switchyard Equipment</b>	<b>7</b>
<b>Grid Disturbances</b> <b>(non 8/14 Blackout)      7</b> <b>(8/14 Blackout)          9</b>	<b>16</b>
<b>Total</b>	<b>23</b>

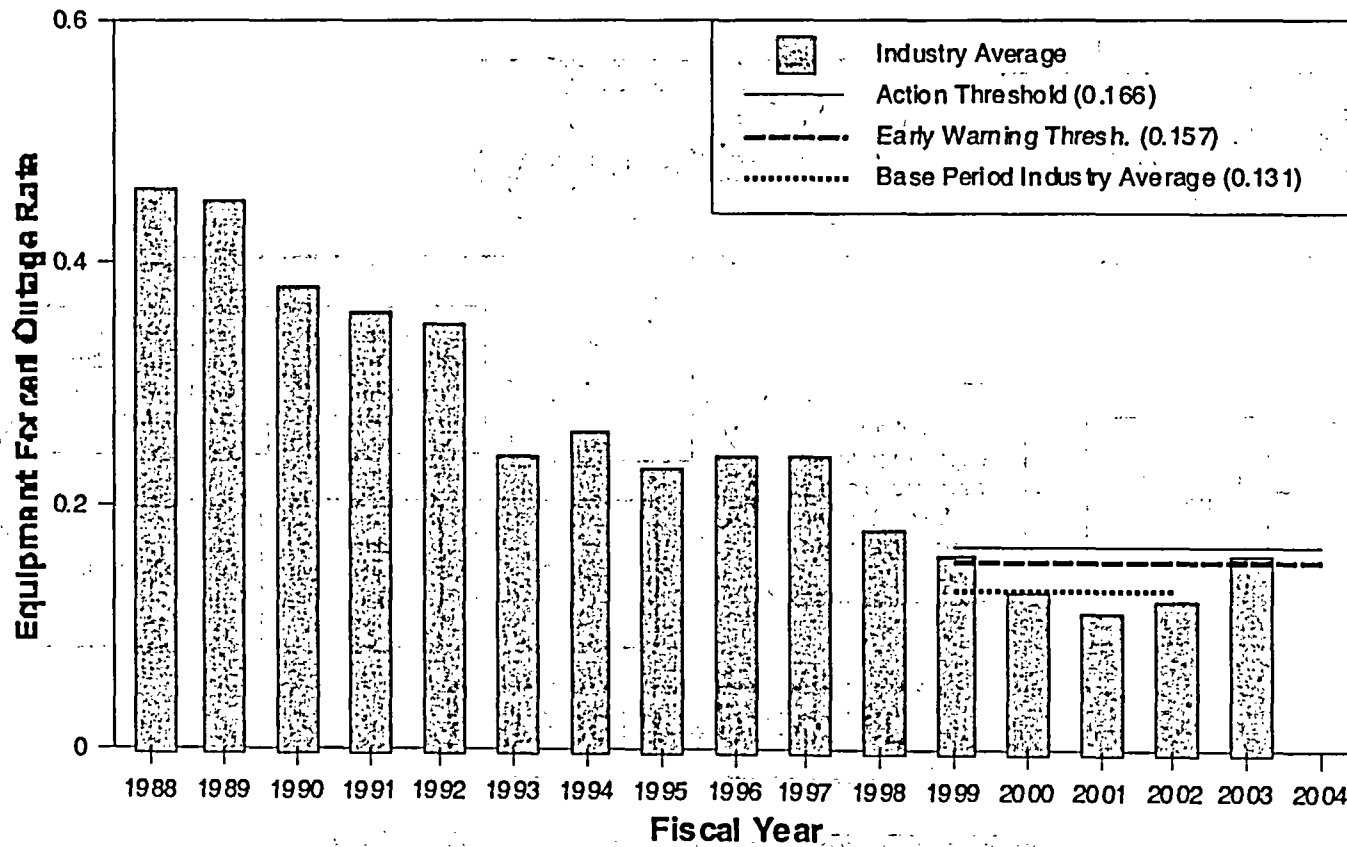
# Industry Trends (cont)

## Safety System Actuations



# Industry Trends (cont)

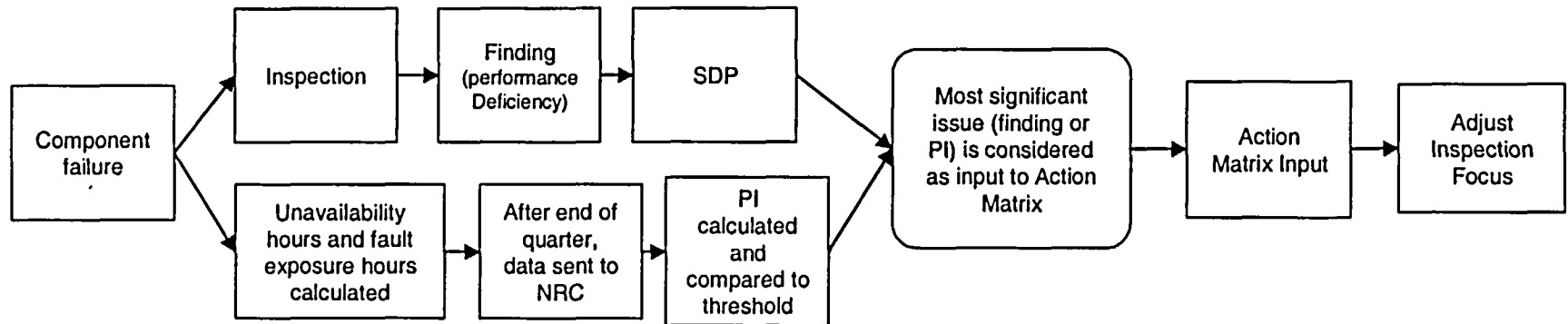
## Equipment Forced Outages/1000 Commercial Critical Hours



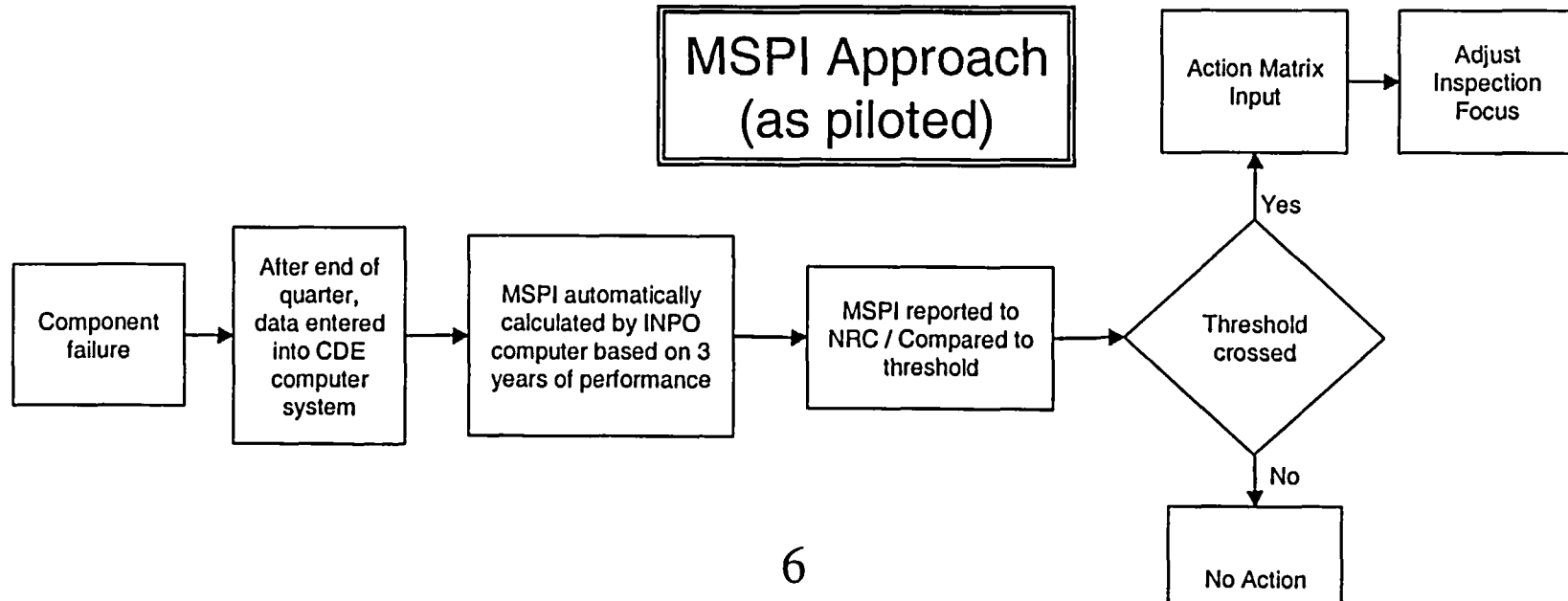


# ROP Process

## Present Approach



## MSPI Approach (as piloted)



# RI AND SRI ACTIVITY DURING 2003

Activity	Total
RI positions filled	27
SRI positions filled	20*
SRI promotions to GG-15	7
SRI lateral reassignments	6
SRI retirement	1

\*Number of positions filled does not necessarily equal the number of positions vacated during a given period due to time involved in the recruitment process

**EVALUATION CRITERIA FOR AARM CONSIDERATION  
(Table 1 of SECY-02-0216)**

Performance by Individual NRC Licensees and Groups of Licensees and Selected Agreement State Licensees-  
Evaluation Criteria

Criteria for identifying candidate licensees for AARM consideration	Criteria NMSS will use in evaluating whether candidate licensees will be forwarded for discussion at the AARM.
Licensee has an event that results in the failure to meet a Safety Measure (e.g., a death, release with a significant impact on the environment, etc.).	These licensees will typically be discussed at the AARM unless the matters have already been adequately addressed and discussed before the AARM.
Licensee has an event that results in an Abnormal Occurrence, or an event that qualifies for a Severity Level I or II violation, or multiple events that meet the criteria of the agency Strategic Plan Performance Measures (e.g., reportable loss of material, breakdown of physical protection, etc.), and technical staff believes that there are unique or unusual aspects of the cases that are not adequately or appropriately handled within the normal inspection and enforcement processes.	These licensees will only be discussed at the AARM if Agency actions beyond the normal inspection and enforcement processes are necessary, and other Offices will be required to support these actions, or other Offices would benefit from an awareness of the issues and circumstances associated with licensee performance.
Licensees that have significant breakdowns in their licensed programs, where the breakdowns involve more than one compliance item (e.g., a dose monitoring breakdown and also widespread failure to implement and maintain required procedures) and technical staff believe that there are unique or unusual aspects of the cases that are not adequately or appropriately handled within the normal inspection and enforcement processes.	These licensees will only be discussed at the AARM if Agency actions beyond the normal inspection and enforcement processes are necessary, and other Offices will be required to support these actions, or other Offices would benefit from an awareness of the issues and circumstances associated with licensee performance.