
NRC/PG&E MEETING

**Humboldt Bay Power Plant
Special Nuclear Material
Control & Accountability Project**

January 19, 2005

AGENDA

- Scope of Special Nuclear Material (SNM) Project
- Status of SNM Project
- Completion of A-49 objective
- SNM Project final report
- Future communications

SCOPE OF SNM PROJECT

- Obtain full accountability and control of all SNM at HBPP
 - Accurate 742 inventory report, including fuel fragments
 - Procedures and controls to ensure inventory accuracy and positive control maintained in the future

 - Address unaccounted for A-49 fuel segments
 - Locate A-49 segments or identify, analyze, and assess likelihood of possible locations of A-49 segments (scenarios)
 - Public and worker health and safety significance evaluated for possible scenarios
 - History of processes and controls over SNM at HBPP – cause analysis of SNM accountability issues and A-49 discrepancy
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STATUS OF SNM PROJECT

- Completed work:
 - Procedures revised/developed for handling and accounting of fuel fragments
 - Technical Specifications amended to incorporate fuel fragments in licensing basis
 - Tabulated and characterized all found fuel fragments for SNM accounting
 - 742 Report expanded to include fuel fragments
 - Stored all found fuel fragments for positive SNM control
 - Updated spent fuel pool (SFP) map to identify physical locations of all found SNM
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STATUS OF SNM PROJECT (cont.)

- Work to be completed in January 2005
 - SFP search for fuel fragments and A-49 segments
 - Onsite non-SFP search for A-49 segments
 - Tabulation of fuel fragments for SNM accounting
 - Storage of fuel fragments for SNM control

 - SNM Project interim reports by February 18, 2005
 - Results of SFP and non-SFP searches
 - Analysis of possibility that A-49 segments have been found
 - Current SNM control and accountability finalized
 - Theft or diversion of A-49 rod segments evaluated

 - Completion of SNM full accountability & control objective
 - Update of SFP map to identify SNM physical locations
 - Perform physical inventory
 - Issue 742 Report including fuel fragment accounting information
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COMPLETION OF A-49 OBJECTIVE

- January through April activities
 - Complete documentation search
 - Complete interviews
 - Development and resolution of scenarios
- SNM Project final report by May 15
- LER revision by June 15
 - Includes final SNM Project report information

SNM PROJECT FINAL REPORT

- Scenarios/possible locations for the three A-49 rod segments
- Level of detail for scenarios
- Discrepancies, inconsistencies and missing information in the historical control and accountability of SNM

Scenarios/Possible Locations for the Three A-49 Rod Segments

- In the SFP
- Onsite storage outside SFP
- Licensed Low Level Radioactive Waste storage facilities
 - Hanford
 - Barnwell
 - Beatty
- Other direct shipments
 - Nuclear Fuel Services
 - GE Vallecitos
 - Battelle Laboratories
- Theft or Diversion

Level of Detail for Scenarios

■ Screens

- Plausible/Not Plausible Determination
 - Low Level Radioactive Waste shipments from outside SFP
 - Low Level Radioactive Waste shipments from SFP
 - Time frame
 - Physical size
 - Properties

■ Plausible scenario probabilities

- Highly improbable
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- Possible but unlikely
 - Reasonably possible

- Public and worker health and safety significance evaluated for possible but unlikely and reasonably possible scenarios
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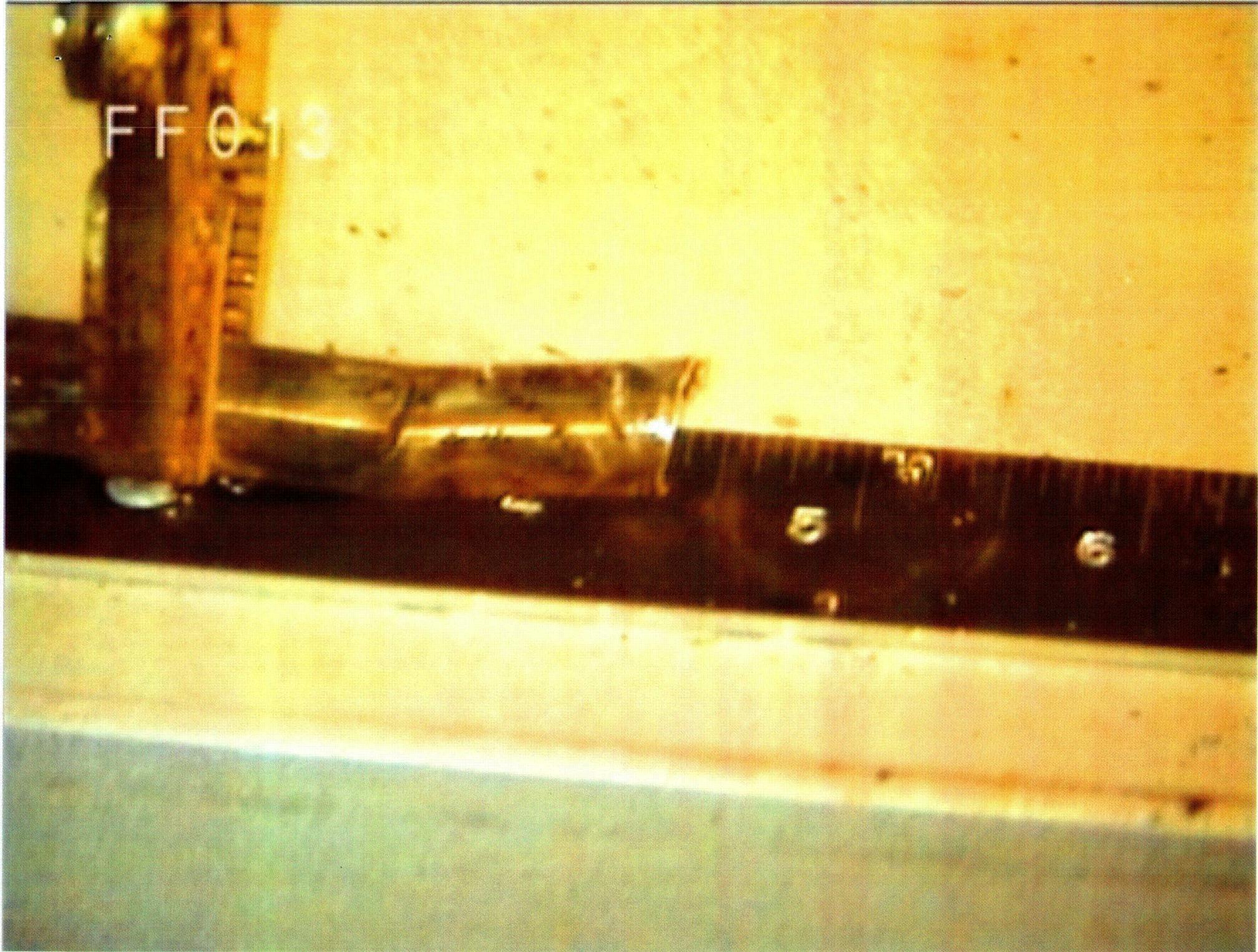
Discrepancies, Inconsistencies and Missing Information in the Historical Control and Accountability of SNM

- Comprehensive records review and interviews
 - Additional record discrepancies, if any, identified and resolved
 - Additional information on SNM accountability identified
- Discussion of history of control and accountability of SNM at HBPP
 - Review of processes, procedures and controls employed at HBPP
 - Discrepancies discovered
 - Missing information identified
 - Cause analysis for A-49 rod segments
 - Corrective actions

FUTURE COMMUNICATIONS

- Meet with Community Advisory Board to provide project updates and future actions
- Status updates to and discussions with stakeholders
- Issue press release associated with completion of SFP search
- Continue bi-weekly conference calls until SNM Project final report issued
- Continue weekly status reports until SNM Project final report issued
- Meet with NRC as necessary
- Public meeting(s) in Eureka as NRC desires

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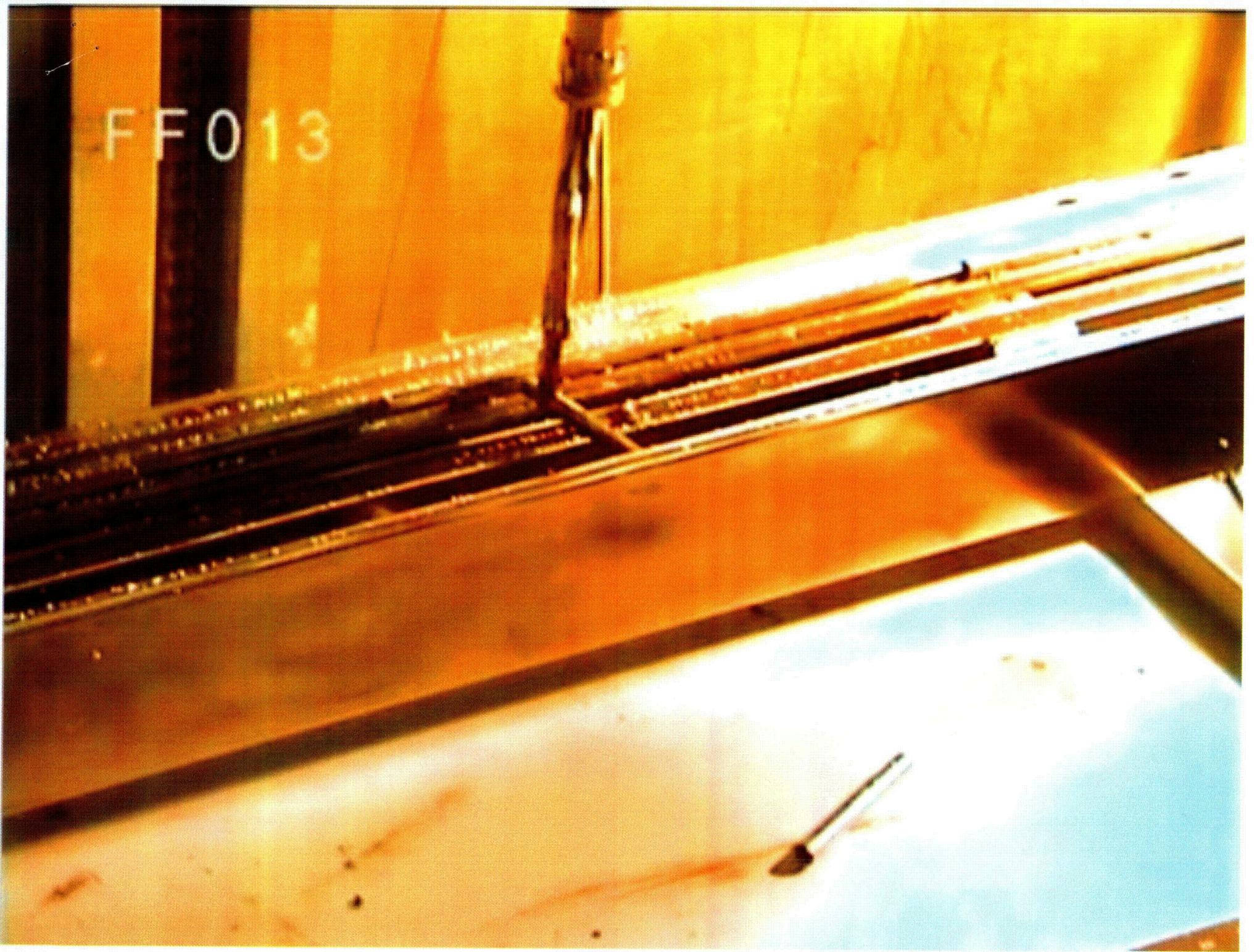


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