



U.S. Department of Energy
Office of Civilian Radioactive Waste Management

Management Issues From QA and KTI Sessions

Presented to:
**Nuclear Regulatory Commission
Quarterly Management Meeting**

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**September 7, 2001
Las Vegas, NV**

**YUCCA
MOUNTAIN
PROJECT**

Legacy / Main - 70

Management Issues From QA and KTI Sessions

- **Root Cause**
- **Status of TSPA-SR Issues**
- **Corrective Action**

Root Cause Results

- **RCA performed on the 2 CAR's and on NRC identified TSPA-SR issues**
will be transmitted next week
- **Root Causes, Common Causes, and Generic Causes determined**
6 modeling, 2 verification, 2 with TSPA
applicable between the 2 cars above
commonality across program
- **Current cultural bias indications in Root Cause Analysis**
 - activity vs. results
 - schedule vs. quality
 - blame vs. accountability*TSPA root cause - predict through controls that did have technical descriptions → enough to work out how get there*
- **Specific corrective actions recommended for all causes**
management plan saved purpose - now moving beyond

Status of TSPA-SR Issues

Technical Integrity of TSPA-SR, Rev 0 ?

- **TSPA-SR, Rev 0 potentially impacted by:**
 - **TSPA Vertical Review Discrepancies**
 - **Model Validation Findings (CAR-001)**
 - **Software Verification Findings (CAR-002)**
 - **Data Quality Concerns**

Status of TSPA-SR Issues

(continued)

- **TSPA Discrepancies**

- Impact Assessment Complete
- Documentation Nearly Complete
- No Impact on Conclusions

- **Software Verification**

- Impact Assessment Complete
- No Impact on Conclusions

*verified routes out
done with
benchmarking (2 to deal with)*

- **Data Qualification**

- Impact Assessment Complete
- No Impact on Conclusions

- **Model Validation**

- Impact Assessment in process
- No Impact on Results to date (forecast completion 9/10/01)

Corrective Action

- **Joint DOE/BSC comprehensive plan for transition to desired “Nuclear Culture”**
- **Specifically addresses Root Cause Analysis recommended corrective actions**
- **Additionally address:**
 - **Potential adverse trends associated with the in-process reviews on S&ER, PSSE, and SSPA**
 - **ISMS deficiency (2001)**
 - **Results of Self Assessments performed over the last 6 months**
 - **Lessons Learned from previous corrective actions**
 - **QAMA review results** *1997 → present*
will be available in September
- **Modeled after proven performance improvement plans associated with NRC “Watch List” plant shutdowns**