



CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO: 20-1402-931

REPORT NO: 99-22

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SURVEILLANCE SCOPE: Review of the draft environmental impact statement for a proposed geologic repository for high level radioactive waste at Yucca Mountain, Nevada.

REFERENCE DOCUMENTS: QAP-001, Scientific Notebook Control
QAP-014, Documentation and Verification of Scientific and Engineering Calculations

STARTING DATE: September 7, 1999

ENDING DATE: September 7, 1999

QA REPRESENTATIVE: R. Folck

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PERSONS CONDUCTING TEST/EXAM/ACTIVITY: Patrick Mackin

SATISFACTORY FINDINGS:

The review process was just in its initial stages at time of surveillance. Planning is thorough and well thought out. Contributors to this task include eight external reviewers currently under contract, ten CNWRA personnel, and one review coordinator. David Turner is serving as a back up to Patrick Mackin. External reviewers were provided a statement of work as part of their contract. QA indoctrination forms were also provided to external reviewers. In general, reviewers are to assess the reasonableness of the input used in the analysis and the methods used. They are required to provide a technical basis, recommended resolution, and references for comments submitted. Communication among reviewers is coordinated via e-mail on a regular basis. The PI distributes "hot" items or lessons learned as needed. It is expected that there will be no independent calculations performed. The output from the review will be processed per QAP-002. A final report is due November 15, 1999.

UNSATISFACTORY FINDINGS: None

NONCONFORMANCE REPORT NO: N/A

ATTACHMENTS: None

RECOMMENDATIONS/ACTIONS:

The Principal Investigator should obtain a scientific notebook which to record specific directions given to reviewers, content of briefings, lessons learned, changes in focus and/or direction. This "corporate memory" will be useful in projects of a similar nature.

APPROVED: *[Signature]*
CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: 9/28/99

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ORIGINATOR - R. Folck
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