



CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

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PROJECT NO: 20-5708-560

REPORT NO: 96-09

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SURVEILLANCE SCOPE: Near-Field Environment KTI Activities

REFERENCE DOCUMENTS: HLW Operations Plans, Quality Requirements Application Matrices

STARTING DATE: June 17, 1996

ENDING DATE: June 29, 1996

QA REPRESENTATIVE: R.D. Brient

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: W. Murphy, P. Lichtner, R. Pabalan, N. Sridhar

SATISFACTORY FINDINGS:

Task 1 – Technical Assistance: The primary activities have been the contribution to the TSPA audit review and IM-561-620 on Near-Field Hypothesis Review, submitted on 6/27/96. The IM was based primarily on literature reviews. Scientific Notebook #140 has been started for this activity. In addition, notebook #37 contains details relating to the EQ3/6 code; the latest entries document receipt of a new version (11/4/95).

Task 2 – Code Development—MULTIFLO: A preliminary version of the METRA portion of MULTIFLO was released to selected users to test the operation of the code. Several relatively minor errors were identified and corrected. During this month, a user's manual for the METRA portion of the MULTIFLO code was delivered to NRC as an intermediate milestone. Preliminary calculations have been made in preparation of a report, and are documented in Scientific Notebook #095. This notebook is in electronic format, and was printed on 6/29/96 for its quarterly capture in QA records.

Task 3 – Applied Technical Investigations: This task involves evaluating the effects of man-made materials, which has not been previously conducted, so a literature search is the primary activity. No laboratory investigations or modeling has taken place. Scientific notebooks have not been necessary thus far. Some field investigations were recently conducted under this task, and are documented in Scientific Notebook #180.

The Scientific Notebooks reviewed were all acceptable, and the few minor errors corrected.

Personnel qualifications and QA indoctrination documents were verified for W. Murphy, P. Lichtner, R. Pabalan, N. Sridhar, D. Pickett, J. Apps, M. Seth, and A. Unruh.

UNSATISFACTORY FINDINGS: None

NONCONFORMANCE REPORT NO: None

ATTACHMENTS: None

RECOMMENDATIONS/ACTIONS: None

APPROVED:

CNWRA DIRECTOR OF QUALITY ASSURANCE

DATE:

7/1/96

DISTRIBUTION:

ORIGINAL: CNWRA QA DIRECTOR

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