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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20.01402.861

REPORT NO.: 99-25

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SURVEILLANCE SCOPE: Surveillance activities on Unsaturated and Saturated Flow Under Isothermal Conditions.

REFERENCE DOCUMENTS: QAP-004, Surveillance Control, Section 3.3 and 3.4; CNWRA Operations Plans, Rev.14, Chg. 0, October 1999, Quality Requirements Application Matrix.

STARTING DATE: 11/24/99

ENDING DATE: 12/10/99

QA REPRESENTATIVE: Mark R. Ehnstrom

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: Jim Winterle, John Stamatakos, Ted Ressler, Randall Fedors

SATISFACTORY FINDINGS:

Discussions were conducted with J. Winterle to determine the current status of project activities on the Unsaturated and Saturated Flow Under Isothermal Conditions (USFUIC) Key Technical Issue (KTI). J. Winterle stated that there had been no new critical capital equipment purchases within the past year, so no procurement type controls needed to be reviewed during this surveillance. During the discussion, J. Winterle indicated that field samples obtained for the Structural and Deformation System (SDS) KTI have been used in the USFUIC KTI. Dr. J. Stamatakos was contacted to discuss the field samples obtained from 40 Mile Wash this past summer. Dr. Stamatakos was familiar with the work and stated that these activities were performed by a student named Ted Ressler. Sample custody requirements contained in procedure TOP-012 were verified for implementation. Samples had been properly listed in the "Sample Control Log" and were properly tagged and located in Bldg. 189. The professional personnel qualification (PPQ) files for Ted Ressler was reviewed, along with those of consultants Stu Stothoff and David Woolheiser. The review found that the PPQ maintenance of qualification was current and up to date and that all individuals had been evaluated for possible Conflict of Interest and all had received Quality Assurance Indoctrination.

Reviewing the QRAM for the USFUIC KTI prior to the surveillance provided information that a revision to the BREATH code was possible. R. Fedors was contacted to gather more information. R. Fedors stated that based on some work not yet completed, a decision will be made to possibly revise the code. If the decision is made to revise the code, a Software Requirements Description will be developed in accordance with procedure TOP-018.

UNSATISFACTORY FINDINGS: There were no unsatisfactory findings concerning this limited scope surveillance.

NONCONFORMANCE REPORT NO.: N/A.

ATTACHMENTS: None

RECOMMENDATIONS/ACTIONS: During the review of the Sample Control Log Files it was noted that there is an area on the form where the scientific notebook number and page number can be documented. This area was not completed on the forms reviewed during the surveillance. Although there is only one scientific notebook for this KTI and that scientific notebook references these samples, individual forms should be traceable to the applicable scientific notebook.

APPROVED:

CENTER DIRECTOR OF QUALITY ASSURANCE

DATE:

12/16/99

DISTRIBUTION:

- ORIGINAL - CENTER QA DIRECTOR/QA Records
- ORIGINATOR: M. Ehnstrom
- PRINCIPAL INVESTIGATOR: J. Winterle, J. Stamatakos, R. Fedors
- ELEMENT MANAGERS: All
- B. Sagar, H. Garcia