



CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

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PROJECT NO.: 20.01402.561/562	REPORT NO.: 2002-05	PAGE 1 OF 1
SURVEILLANCE SCOPE: Surveillance Activities on the Evolution of the Near-Field Environment Key Technical Issue (KTI) Technical Assistance and Code Development-MULTIFLO		
REFERENCE DOCUMENTS: Quality Assurance Procedure QAP-002, Review of CNWRA Documents, Reports, and Papers; Quality Assurance Procedure QAP-004, Surveillance Control; Quality Assurance Procedure QAP-013, Quality Planning		
STARTING DATE: February 5, 2002		ENDING DATE: February 11, 2002
QA REPRESENTATIVE: Mark R. Ehnstrom		
PERSONS CONDUCTING TEST/EXAM/ACTIVITY: Roberto Pabalan, Scott Painter, and Lauren Browning		
<p>SATISFACTORY FINDINGS: Surveillance activities were performed on the Evaluation of the Near-Field Environment (ENFE) KTI on February 5-7, 2002. The surveillance started with a review of the project objectives and descriptions contained in the Center Operations Plan, Revision 16. This review identified a number of issues to be discussed with Roberto Pabalan, the Principal Investigator (PI) and with Scott Painter who is responsible for the anticipated revisions of MULTIFLO. The Quality Requirements Application Matrix (QRAM) was also reviewed prior to the discussion with the PI.</p> <p>Discussions with the PI found that some of the areas discussed in the ENFE section of the Operations Plan are being performed in other KTIs. For example work on water chemistry inside simulated corroding waste packages is being evaluated by Yi-Ming Pan under the Container Life Source Term KTI and Lauren Browning is evaluating cold trap experiments in the ENFE/Thermal Effects On Flow KTI. Materials sent by the Department of Energy to be used for experimental purposes were receipt inspected by project staff and witnessed by CNWRA QA. This activity was documented in surveillance report 2002-02.</p> <p>Objectives identified in the Operations Plan are reflective of the ongoing work. MULTIFLO is being augmented to improve CNWRA and NRC activities to evaluate DOE process modeling. The MULTIFLO Version 1.5, User Guide Update, was reviewed for compliance to QAP-002, Review of CNWRA Documents, Reports, and Papers with no comment. The current CNWRA Master Directory Of Scientific & Engineering Software identifies the validation test plan date for MULTIFLO as June 6, 2002 with a target completion date of August 8, 2002. Discussions with S. Painter confirmed that these dates are still accurate.</p>		
UNSATISFACTORY FINDINGS: None		
NONCONFORMANCE REPORT NO.: None		
ATTACHMENTS: None		
RECOMMENDATIONS/ACTIONS: None		
APPROVED: CENTER DIRECTOR OF QUALITY ASSURANCE DATE: <u>2/13/2002</u>	DISTRIBUTION: ORIGINAL - CENTER QA DIRECTOR QA Records ORIGINATOR PRINCIPAL ENGINEER: R. Pabalan, S. Painter ALL ELEMENT MANAGERS B. Sagar H. Garcia, M. Ehnstrom, <i>L. Browning</i>	