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# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

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**SURVEILLANCE SCOPE:**  
Surveillance activities on the Evolution of the Near-Field Environment KTI

**REFERENCE DOCUMENTS:**  
QAP-004, Surveillance Control, Section 3.3 and 3.4; CNWRA Operations Plans, Rev.14, Chg.3, October 1999, Quality Requirements Application Matrix; QAP-016, Procurement Control.

**STARTING DATE:** 03/08/00      **ENDING DATE:** 03/17/00

**QA REPRESENTATIVE:** Mark R. Ehnstrom

**PERSONS CONDUCTING TEST/EXAM/ACTIVITY:** Dr. R. Pabalan; Dr. D. Pickett; and J. Prikryl

**SATISFACTORY FINDINGS:**

Discussions were conducted with R. Pabalan concerning Near Field Environment KTI project activities. During the surveillance preliminary discussions concentrated on procurement issues. The discussions revealed that the University of Texas (UT) at Austin is performing work for the CNWRA. D. Pickett was contacted and confirmed that Dr. Jay Banner, from UT Austin, is performing age dating work on uranium samples from the Pina Blanca site. A QA record review found that UT- Austin had not gone through the COI and other reviews to become a CNWRA subcontractor, but after checking in QAP-016, it was noted that D. Pickett was utilizing a "mail order analysis" option that was backed up by duplicate standards which allows a basis for acceptance. This is an acceptable approach as it allows the scientist to verify the accuracy of the work being accomplished.

It was found that one code, MULTIFLO, is under development in the Near Field Environment KTI. A letter report, the MULTIFLO Version 1.2 Users Manual, was reviewed for compliance to QAP-002 Review of CNWRA Documents, Reports, and Papers with no unsatisfactory findings identified. Professional Personnel Qualification files for R. Pabalan, D. Pickett, and J. Prikryl were reviewed for compliance to QAP-007, Professional Personnel Qualification, with no unsatisfactory finding.

**UNSATISFACTORY FINDINGS:** None

**NONCONFORMANCE REPORT NO.:** N/A

**ATTACHMENTS:** None

**RECOMMENDATIONS/ACTIONS:** None

**APPROVED:**   
CENTER DIRECTOR OF QUALITY ASSURANCE

**DATE:** 3/20/2000

**DISTRIBUTION:**  
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