



CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES

QUALITY ASSURANCE

SURVEILLANCE REPORT

PROJECT NO.: 20.06002.01.031

REPORT NO.: 2004-09

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SURVEILLANCE SCOPE: Geochemistry activities from January-June 2004

REFERENCE DOCUMENTS: QAP-001, Scientific Notebook Control; QAP-002, Review of CNWRA Documents, Reports and Papers; QAP-004, Surveillance Control; QAP-007, Professional Personnel Qualification; TOP-012, Identification and Control of Samples and Chemical Reagents and Standards

STARTING DATE: 06/24/04

ENDING DATE: 07/1/04

QA REPRESENTATIVE: Mark R. Ehnstrom *MRE*

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: E. Percy, M. Juckett, and Scott Painter

SATISFACTORY FINDINGS: Surveillance started with a discussion with E. Percy on activities performed since the last surveillance performed in January 2004. The discussion centered on two activities; the first was the field work performed at the Yucca Mountain site in May and the second was the new version of MULTIFLO delivered in March. Each is discussed in further detail below:

Yucca Mountain Field Activities

Field activities were performed by CNWRA employees at the Yucca Mountain site in March 2004. The field activities concentrated on the analysis of water samples retrieved from two test wells. Sample identification from these test wells was observed on the computerized sample identification log. Sample identification was verified and samples were being stored in an appropriate environment in the laboratory refrigerator.

Scientific Notebook 628 was used to document the field work. The notebook was reviewed and was in compliance with procedural requirements. Among the activities documented in the notebook were:

- equipment used
- standards used noting the expiration dates for the chemicals used in creating the standards
- test results

Sam Blanco and Brian Strye, from Raba-Kistner were also part of the field team. The Professional Personnel Qualification and Training files were reviewed for these individuals and were found to be acceptable for the CNWRA work activity.

MULTIFLO version 2.0

The QA records copy for MULTIFLO Version 2.0 was reviewed for compliance to TOP-018 requirements. The Software Release Notice, Software Summary Form, QA Verification Report, and Software Change Report 505 were reviewed. The package was complete and in compliance with procedural requirements. One item on the Software Release Notice (SRN) was followed up with E. Percy and S. Painter. The SRN identified M. Seth as being issued a Read/Write copy of the code. Mr. Seth was an approved consultant when work was being performed on Version 2.0 and when the code was delivered in March, but his term also expired that same month. Discussions with Mr. Percy and Mr. Painter confirmed that M. Seth was not provided a copy of the code and the SRN was corrected by E. Percy on July 1, 2004.

UNSATISFACTORY FINDINGS: None

NONCONFORMANCE REPORT NO.: N/A

CORRECTIVE ACTION REQUEST NO.: N/A

ATTACHMENTS: Attachment showing an example of the Sample Custody Log used by geochemistry personnel for tracking samples and sub-samples.

RECOMMENDATIONS/ACTIONS: None

APPROVED: *al/Neil*
CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: *7/6/04*

DISTRIBUTION:

ORIGINAL - QA Records

CNWRA QA DIRECTOR

ORIGINATOR

PRINCIPAL INVESTIGATORS: S. Painter, M. Juckett

ELEMENT MANAGER: E. Percy

B. Sagar

Sample-Subsample

Sample Identification (Date of Sample Collection)

NC-EWDP-19PB-Deep (5/10/2004)
 NC-EWDP-19PB-Deep-0504-FA (5/10/2004)
 NC-EWDP-19PB-Deep-0504-FUA-1 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-FUA-2 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-FUA-3 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-FUA-4 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-FUA-5 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-FUA-6 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-FUA-7 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-IC-FUA-1 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-IC-FUA-2 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-IC-FUA-3 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-IC-FUA-4 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-S-FUA-1 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-S-FUA-2 (5/10/2004)
 NC-EWDP-19PB-Deep-0504-UFUA-500 (5/10/2004)