



# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20.06002.01.031

REPORT NO.: 2003-14

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**SURVEILLANCE SCOPE:** Surveillance on Radionuclide Transport

**REFERENCE DOCUMENTS:**

CNWRA Operations Plan Revision 17, Change 1; QAP-004 Surveillance Control Procedure

**STARTING DATE:** June 30, 2003

**ENDING DATE:** July 2, 2003

**QA REPRESENTATIVE:** Mark R. Ehnstrom

*MRE*

**PERSONS CONDUCTING TEST/EXAM/ACTIVITY:** Paul Bertetti

**SATISFACTORY FINDINGS:**

Discussions were held with the Principal Investigator for Radionuclide Transport (RT) Paul Bertetti. The discussions first concentrated on activities outlined in the Operation Plan concerning RT objectives and planned research activities. Among the areas covered was a discussion on how the CNWRA will perform reviews on DOE Process Model Reports and Analysis and Model Reports. CNWRA personnel are currently evaluating the DOE's finished product and determining the acceptability on how the model was developed.

The RT staff improves abstractions of the transport process and conducts sensitivity analysis for TPA Version 5.0. Possible changes resulting from this work are incorporated into software change requests.

Field monitoring activities were conducted in the past year in the Nye County Early Warning Drilling Program and at the Pena Blanca site. Critical test equipment, including pH, Conductivity, and Dissolved Oxygen Meters and Probes, were calibrated and verified for accuracy with certified solutions. These "calibration checks" were verified as being performed for the two onsite activities by reviewing the applicable Scientific Notebooks, Serial Numbers 523 and 589.

Two consultants were identified during this discussion, Vladimir Cvetkovic and Jeffery Greathouse. The Professional Personnel Qualification files for these two individuals were reviewed and were found to be current and up to date.

Surveillance activities are now assuring that hard copy procedures have been destroyed since these procedures are now available online at the CNWRA website.

**UNSATISFACTORY FINDINGS:** None

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

**CORRECTIVE ACTION REQUESTS:** N/A

**ATTACHMENTS:** None

**RECOMMENDATIONS/ACTIONS:** None

**APPROVED:** *L. Bertetti*  
CENTER DIRECTOR OF QUALITY ASSURANCE

**DATE:** 7/7/03

**DISTRIBUTION:**

ORIGINAL - CNWRA QA DIRECTOR, QA Records

ORIGINATOR: Ehnstrom

PRINCIPAL ENGINEER: N/A

ALL ELEMENT MANAGERS

P. Mackin, B. Sagar, E. Percy, and P. Bertetti