



# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20.06002.01.101

REPORT NO.: 2003-08

PAGE 1 OF 1

**SURVEILLANCE SCOPE:** Surveillance on CNWRA Chemical Controls

**REFERENCE DOCUMENTS:**

CNWRA Operations Plan Revision 17, Change 0; QAP-004, Surveillance Control; AP-010, Laboratory Chemical Hygiene Plan and Standard Operating Procedures (SOP) for the Center for Nuclear Waste Regulatory Analyses; AP-016, Hazard Communication Program

**STARTING DATE:** March 26, 2003

**ENDING DATE:** April 1, 2003

**QA REPRESENTATIVE:** Mark R. Ehnstrom 

**PERSONS CONDUCTING TEST/EXAM/ACTIVITY:** Darrell Dunn, Bradley Werling, Yi-Ming Pan, Troy Maxwell and Don Bannon

**SATISFACTORY FINDINGS:**

The surveillance started with sampling review of chemicals stored in the individual CNWRA laboratories. Chemical Inventory Lists were used to cross-correlate chemicals stored in the laboratories with the information contained on the lists. The surveillance found that in Laboratories L106 and L111 the list was complete and accurate. Expiration dates, when applicable, were noted on the containers. All chemicals with expiration dates were currently within their "use" dates. The next step was to locate Materials Safety Data Sheets (MSDS). These sheets are required to be maintained in hard copy for all the chemicals stored. Again, laboratory L106, the MSDS sheets for the chemicals stored were maintained in files and available for review.

**UNSATISFACTORY FINDINGS:**

The same checks as described above were performed in Laboratories L113 and in the laboratories located in Bldg. 51. In L 113, the Materials Laboratory, a storage cabinet was found to contain chemicals which were not listed on the Chemical Inventory List. These chemicals were mostly used for microbiological studies. Chemicals located in Bldg. 51 were also not located on a Chemicals Inventory List. Corresponding MSDS sheets were reviewed for these laboratories. For laboratories L111 and L113, 4 out of 16 chemicals reviewed did not have the corresponding MSDS information located in the MSDS book. During the surveillance the missing MSDS sheets for the chemicals in laboratory L111 were down-loaded from the internet and placed in the book. The laboratory in Bldg. 51 had a MSDS book, but did not have MSDS sheets for the chemicals contained in the laboratory. Additionally, some flammable chemicals stored in a cabinet should be moved and stored in the flammable chemicals storage cabinet.

**NONCONFORMANCE REPORT NO.:** 2003-08

**Corrective Action Request No.:** N/A

**ATTACHMENTS:** None

**RECOMMENDATIONS/ACTIONS:** None

**APPROVED:**   
CENTER DIRECTOR OF QUALITY ASSURANCE

**DATE:** 4/3/2003

**DISTRIBUTION:**

ORIGINAL - CNWRA QA DIRECTOR, QA Records

ORIGINATOR: Ehnstrom

PRINCIPAL ENGINEER: N/A

ALL ELEMENT MANAGERS

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