



# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20-5704-013

REPORT NO.: 93-10

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**SURVEILLANCE SCOPE:** Surveillance to check for chemicals in use with an expiration past due date, in the GS Geochemistry Laboratory, Building 57.

**REFERENCE DOCUMENTS:** CQAM Section 8, 8.3.4, Limited Shelf Life Items.

**STARTING DATE:** 7/14/93

**ENDING DATE:** 7/14/93

**QA REPRESENTATIVE:** B. Mabrito

**PERSONS CONDUCTING TEST/EXAM/ACTIVITY:** Jim Prikryl, Todd Dietrich

**SATISFACTORY FINDINGS:** Twenty-two (22) different solutions in their original bottles were checked in the Bldg. 57 Geochemistry Lab were checked. The top shelf of the "white code" storage cabinet was completely inventoried. The various chemicals were: Fe Reference Solution; 2% Nitric Acid in water; Si Reference Solution; Cu Reference Solution; K Reference Solution; Zn Reference Solution; Ca Reference Solution; Sr Reference Solution; Pb Reference Solution; Na Reference Solution; and Bismuth (Bi) Standard Solution. One bottle, the Bi Standard Solution, had an expiration date in July, 1993, which makes it acceptable to use for the remainder of this month. Another bottle, of Borate Buffer Solution, had no expiration date from the manufacturer and one had not been established by the CNWRA Lab. All but one bottle of those checked had expiration dates in the late 1993 and early-to-mid-1994 months and therefore had considerable "useable life."

**UNSATISFACTORY FINDINGS:** One (1) bottle of Ca Reference Solution had an expiration date of June, 1993 and was immediately removed from the shelf by Lab personnel and emptied.

**NONCONFORMANCE REPORT NO.:** None.

**ATTACHMENTS:** None.

**RECOMMENDATIONS/ACTIONS:** Note: Continued attention to the CNWRA chemical solution stocks in our Laboratory is required by the Lab personnel.

Note: The Nitrogen cylinder was securely strapped to the Geochemistry Laboratory Bench and the Nitrous Oxide and Acetylene cylinder was securely strapped to the wall as required.

APPROVED:

  
CENTER DIRECTOR OF QUALITY ASSURANCE

DATE:

7/14/93

**DISTRIBUTION:**

ORIGINAL - CENTER QA DIRECTOR QA Records  
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