



CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO: 20.01402.159

REPORT NO: 01-04

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SURVEILLANCE SCOPE: Surveillance on chemicals stored by CNWRA personnel with expiration dates.

REFERENCE DOCUMENTS: Center for Nuclear Waste Regulatory Analyses Operations Plan Revision 15, Change 2; FY01 Quality Requirements Application Matrix (GRAM); QAP-004 Surveillance Control Procedure

STARTING DATE: 16 May 2001

ENDING DATE: 16 May 2001

QA REPRESENTATIVE: Mark R. Ehnstrom

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: Bradley Werling and Melissa Hill

SATISFACTORY FINDINGS:

Surveillance activities were performed at the various CNWRA laboratories and experiment rooms to assure only chemicals currently within their specific certification dates were being used. In the first laboratory reviewed during the surveillance in Building 57, discussions were held with Bradley Werling. These discussions revealed that a number of chemicals had expired the day before and were placed with other chemicals which had expired within recent months. One chemical reviewed in this group did not reference an expiration date. Mr. Werling stated that since he could not determine the expiration date of that specific chemical, he had removed it from use to assure only currently certified chemicals could be used in experimental activities. Surveillance activities in other areas of Building 57 confirmed that chemicals were being properly stored, had readable labels, and were within their individual certification dates. In Building 51 Melissa Hill was contacted and discussions were held concerning chemicals. The only chemicals contained in Building 51 were chemicals which did not reference any expiration date.

UNSATISFACTORY FINDINGS: None

NONCONFORMANCE REPORT NO: None

ATTACHMENTS: Attachment A identifies chemicals reviewed during the surveillance.

RECOMMENDATIONS/ACTIONS: Although chemicals which were beyond their certification dates were removed and segregated, it is recommended the area being used be clearly identified as a "reject" or "unacceptable chemicals" area.

APPROVED:

CNWRA DIRECTOR OF QUALITY ASSURANCE

DATE:

5/17/2001

DISTRIBUTION:

ORIGINAL - CNWRA QA DIRECTOR QA Records

ORIGINATOR

PRINCIPAL SCIENTIST - B. Werling and M. Hill

ELEMENT MANAGERS

B. Sagar, H. Garcia

D. Duvall, J. Priskay

ATTACHMENT A
CNWRA SURVEILLANCE REPORT
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Expired Chemicals

Chemical Manufacturer	Chemical	Expiration Date	Lot Number
Spex	Strontium 2%HNO3	5/15/01	7-123SR
Spex	Sodium 2%HNO3	5/15/01	7-87NA
Spex	Silicon H2O/trHF	5/15/01	6-271SI
Spex	Potassium 2%HNO3	5/15/01	7-95K
Spex	Magnesium 2%HNO3	5/15/01	7-62MG
Spex	Mo, Th, U 2%HNO3	7/31/00	15-19A5
Aldrich	Potassium	*	12107LU
Spex	Uranium 2%HNO3	12/31/00	6-239U
Fisher	Sodium Silicate	3/2001	994097-24
Fisher	Calcium Carbonate	9/2001	996336-24
Spex	Chloride	12/31/00	16-38AS

* Expiration Date could not be determined.

Chemicals In Use

Spex	Calcium 2%HNO3	1/31/02	7-114CA
Spex	Magnesium 2%HNO3	1/31/02	8-2MG
Spex	Potassium 2%HNO3	1/31/02	7-95K
Lab Chem	Sodium Melasilicate	2/21/02	1038-22
Spex	Silicon H2O/tr	1/31/02	7-136S1
Fisher	Sodium Silicate	01/02	000748-24
Spex	Sodium 2%HNO3	1/31/02	7-87NA
Spex	Strontium 2%HNO3	1/31/02	8-18SR-X
Spex	Uranium 2%HNO3	1/31/02	7-141U
DIFCO	Agar Granulated	June 01	93320JB
DIFCO	Dextrose	Sept. 01	99915JA
DIFCO	R2A Agar	Oct. 02	117600JC
Becton Dickinson	Hemagglutination Buffer	Jan. 03	1000A2DJZN
Fisher	Calcium Carbonate	Sept. 01	996336-24
Fisher	Buffer Solution pH 1.00	Nov. 01	003167-18
Fisher	Buffer Solution pH 4.00	Sept. 01	996335-24
Fisher	Buffer Solution pH 7.00	Jan. 02	000749-24
Fisher	Buffer Solution pH 10.00	Oct. 01	996534-24
Fisher	Buffer Solution pH 1.00	Nov.01	003167-18
Fisher	Buffer Solution pH 4.00	Sept. 01	996335-24
Fisher	Buffer Solution pH 10.00	Oct.01	996534-24