



CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20.06002.01.031

REPORT NO.: 2003-21

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SURVEILLANCE SCOPE: Investigation on Nonconformance Reports (NRs) being issued on Measuring and Test Equipment and actions taken by CNWRA staff personnel.

REFERENCE DOCUMENTS: QAP-004 Surveillance Control

STARTING DATE: 011/13/03

ENDING DATE: 11/14/03

QA REPRESENTATIVE: Mark R. Ehnstrom

11/14/03

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: D. Dunn and X. Yang

h.

SATISFACTORY FINDINGS:

A total of 7 NRs have been issued in 2003 for measuring and test equipment. Two of the 7 were equipment failure and no remedial action could be recommended. The remaining 5 NRs are discussed in the following:

- One NR documented a conductance meter out of tolerance. This was a first time occurrence so the meter was adjusted and brought back into tolerance. No additional actions are required at this time.
- Another NR concerned a thermohygrometer which was found out of tolerance. Remedial actions by CNWRA personnel included purchasing both a higher quality hygrometer and a new humidity chamber to assure greater test result accuracy.
- Two NRs concerned a torque screwdriver and its replacement. The first screwdriver was found out of tolerance. When the manufacturer replaced the first with a new screwdriver it too was found to be out of tolerance. Further review found that NRs had also been issued in the years 2000 and 2002 on Proto torque screwdrivers. A decision was made at that time to change manufacturers. Time will indicate if the new screwdriver maintains its calibration longer.
- During the review it was noted that only one thermometer had been found to be out of tolerance since 2000. In 2000, a number of thermometers were failing calibration. One possible solution was to store the thermometers in the vertical position. This change, it appears, has made a difference in the numbers of thermometers failing calibration.

UNSATISFACTORY FINDINGS: None

NONCONFORMANCE REPORT NO.: N/A
CORRECTIVE ACTION REQUEST NO.: N/A

ATTACHMENTS: None

RECOMMENDATIONS/ACTIONS: None

APPROVED:

CENTER DIRECTOR OF QUALITY ASSURANCE

DATE:

11/14/03

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