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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO: 20-1402-761, -762

REPORT NO: 99-24

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SURVEILLANCE SCOPE: Total System Performance Assessment

REFERENCE DOCUMENTS: QAP-002, Review of CNWRS Documents, Reports, Papers, and Presentation Materials
TOP-018, Development and Control of Scientific and Engineering Software

STARTING DATE: September 17, 1999

ENDING DATE: September 24, 1999

QA REPRESENTATIVE: R. Folck

Rw Folck 10/6/99

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: S. Mohanty, H. Thomas, M. Muller, Y. Lu, R. Janetzke, J. Menchaca, R. Rice

SATISFACTORY FINDINGS:

Software Change Reports (SCRs) are being effectively used for modifications to TPA, Version 3.2.3. Reviewed SCR No. 273 and associated test plan and procedures. Reported anomalies are being documented in an electronic log and resolved as appropriate.

Division 10 personnel performed initial development of the Java-based post processor (parameter tree) code. A Software Development Plan (SDP) and SRD were submitted to the PI June 3, 1999. Development of the code is still in the early stages of the life cycle.

Reviewed scientific notebook No. 324 and input to electronic scientific notebook No. 170 as provided by M. Muller, H. Thomas, R. Rice, and R. Janetzke. Discrepancies noted in scientific notebook No. 324 were corrected during the course of the surveillance.

Verified documentation of qualifications for A. Graham, H. Thomas, I. Lu, and J. Menchaca.

UNSATISFACTORY FINDINGS: Electronic scientific notebook No. 170 (last quarterly submittal) is incomplete. Contrary to QAP-001, 3.6.7:

- Pages do not have a header and footer and sequential page numbers (Rice, Thomas, and Muller).
- The statement "Entries into Scientific Notebook No. ## for pages ## to ## have been made by name/signature/date" is not included for each individual (Rice Thomas, and Muller).
- The last page of the quarterly printed entry does not include the signed statement to the effect that "No original text entered into this Scientific Notebook has been removed" (Mohanty)

NONCONFORMANCE REPORT NO: 99-06

ATTACHMENTS: None

RECOMMENDATIONS/ACTIONS:

Remind personnel of need for strict adherence to scientific notebook control protocol such as single line corrections, page numbering, required signatures, etc.

Subdivide electronic notebook No. 170 into chapters for each contributor.

APPROVED:

[Signature]
CENTER DIRECTOR OF QUALITY ASSURANCE

DATE:

10/7/99

DISTRIBUTION:

ORIGINAL -

CENTER QA DIRECTOR / QA Records
ORIGINATOR - R. Folck
PRINCIPAL INVESTIGATOR (above)
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