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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO: 20-1402-159 REPORT NO: 00-03 *A* *Gen* *2/20/2000* PAGE 1 OF 1

SURVEILLANCE SCOPE: Development of PVHA_YM, V1 0
3DStress, V1 3 1 (Port to Sun)
TPA, V4 0 (Beta)

REFERENCE DOCUMENTS: TOP-018, Development and Control of Scientific and Engineering Software

STARTING DATE: December 31, 1999 ENDING DATE: February 23, 2000

QA REPRESENTATIVE: R Folck *R Folck*

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: R. Janetzke, J. Buckner, D. Ferrill, C. Connor, B. Mabrito

SATISFACTORY FINDINGS:
The Software Requirements Description (SRD) and/or Software Change Report(s) form the basis for code development and acceptance testing. The Software Development Plan (SDP) describes the processes used during the code development effort. Acceptance testing is documented via scientific notebook and/or Software Change Report. The Software Release Notice, Software Summary Form, and Design Verification Report are completed before release of code, except as noted below.

NOTES
1 SDP not required for PVHA_YM, V1 0. Development initiated before the requirement for an SDP
2 The release of 3DStress, V1 3 1 (Port to Sun) is pending completion of acceptance testing
3 Acceptance testing for TPA, V4 0 Beta to be completed before final release of TPA, V4 0

UNSATISFACTORY FINDINGS:
Code changes included in TPA, V3 2 3, 3DStress, V1.3 1 and 3DStress, V1 3 2 represented minor enhancements or "bug" fixes. Design verification was not documented as required by TOP-018, Section 5 8

NONCONFORMANCE REPORT NO: 2000-03

ATTACHMENTS: None

RECOMMENDATIONS/ACTIONS:
None

APPROVED: *Sumo Malambo*
CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: 2/27/2000

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