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# CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO.: 20-5708-761, -762

REPORT NO.: 96-06

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**SURVEILLANCE SCOPE:** QA surveillance to evaluate conformance to requirements in the Total System Performance Assessment & Technical Integration KTI.

**REFERENCE DOCUMENTS:** QAP-004, Surveillance Control, Section 3.3 and 3.4; CNWRA Operations Plans, Rev. 7, Chg. 1, April 1996; CNWRA Program Manager's Periodic Report for Period 7, FY96; Latest Quality Requirements Application Matrix.

**STARTING DATE:** 4/25/96

**ENDING DATE:** 5/3/96

**QA REPRESENTATIVE:** B. Mabrito

**PERSONS CONDUCTING TEST/EXAM/ACTIVITY:** R. Baca (EM), R. Manteufel (PI), M. Jarzempa, S. Mohanty, R. Janetzke.

**SATISFACTORY FINDINGS:** Current activities were evaluated for proper application of the QA requirements identified in the Quality Requirements Application Matrix.

The PI described the primary tool for this KTI work as the CNWRA TPA software, with use of MULTIFLO, if possible. Some auxiliary analyses of the Department of Energy TSPA95 document are being accomplished by other CNWRA Elements, such as EBS, which funds such work. There appears to be good organization of the work and clear delineation of responsibilities. No laboratory investigations are taking place in this KTI presently.

Currently, Version 2 of the TPA software is being utilized in the review of TSPA95, although Software Requirements Descriptions (SRD) for certain Version 3 modules (such as FAULTING and VOLCANISM) are being prepared.

The PI is using Scientific Notebook No. 107 to document progress on the TPA software. The notebook is being updated regularly and includes many charts and graphs which address issues related to the TPA software. This activity is being documented satisfactorily in Scientific Notebook No. 107. Electronic Scientific Notebook No. 167, used by A. Ghosh in his work on the FAULTING module, was checked and verified as meeting the requirements of QAP-001.

Personnel qualification for the following individuals who have been involved in this KTI work in the past or presently, have been checked and were found to be up-to-date, properly signed by the cognizant director, and in the correct folders: R. Baca, R. Manteufel, M. Jarzempa, S. Mohanty, H. Karimi, A. Ghosh, T. Otten, A. Lozano, R. Brient, and M. Reinhart.

**UNSATISFACTORY FINDINGS:** There were no unsatisfactory findings concerning this limited scope surveillance.

**NONCONFORMANCE REPORT NO.:** N/A.

**ATTACHMENTS:** None.

**RECOMMENDATIONS/ACTIONS:** At the present time, Version 2 of the TPA software is under configuration management and work on the TSPA95 report is being accomplished with that version. As certain TSPA modules are updated to the next version, an overall TPA software SRD needs to be completed which specifies its status and the updated version of TPA needs to be put under version control.

APPROVED: \_\_\_\_\_

CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: \_\_\_\_\_

5/5/96

**DISTRIBUTION:**

ORIGINAL - CENTER QA DIRECTOR QA Records

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