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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO: 20.1402.471

REPORT NO: 2000-08

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SURVEILLANCE SCOPE: Surveillance activities on Structural Deformation and Siesmicity

REFERENCE DOCUMENTS:

FY 2000 Quality Assurance Application Matrix; CNWRA Operations Plan, Rev 14 Chg 1; QAP-001 Scientific Notebook Control, QAP-002 Review of CNWRA Documents, Reports and Papers, and QAP-004 Surveillance Control Procedure

STARTING DATE: May 2, 2000

ENDING DATE: May 5, 2000

QA REPRESENTATIVE: Mark R. Ehnstrom *(MRE)*

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: J. Stamatakos

SATISFACTORY FINDINGS:

See Page 2 for satisfactory findings.

UNSATISFACTORY FINDINGS: N/A

NONCONFORMANCE REPORT NO:

ATTACHMENTS: None

RECOMMENDATIONS/ACTIONS:

Continued efforts should be made in obtaining copies of Scientific Notebooks issued to contractors/consultants in all CNWRA elements. The requirement now exists in QAP-001 Scientific Notebook Control (Para. 4.2) for entries made in hard copy scientific notebooks to be copied every 6 months and submitted to QA records for safekeeping as an in-process record.

APPROVED: *(Signature)*
CENTER DIRECTOR OF QUALITY ASSURANCE

DATE: 5/5/2000

DISTRIBUTION:
ORIGINAL - CENTER QA DIRECTOR QA Records
ORIGINATOR M. Ehnstrom
PRINCIPAL INVESTGATOR J. Stamatakos
ALL ELEMENT MANAGERS
B. Sagar
H. Garcia

SATISFACTORY FINDINGS:

A meeting was held with Dr. John Stamatakos to discuss the Structural Deformation and Seismicity Key Technical Issue (KTI). A number of individual topics were addressed during this meeting and are further discussed below:

Contractor/Consultant Discussion

Dr. Stamatakos indicated that he had a number of contractors who had contributed to issue activities in the past year. Included in this group were Dr. Evans from the University of Pittsburg, Dr. Ken Ridgeway from Purdue, Dr. Ken Kodama from Lehigh University, and Dr. Allan Morris from the University of Texas at San Antonio. Professional Personnel Qualification files were reviewed for these personnel. The files contained the required Conflict of Interest evaluations, Annual Reviews for Maintenance of Qualification, and additional information.

Scientific Notebook Discussion

Scientific Notebook issuance control was also reviewed during the surveillance. Notebooks 99, 261, 312, and 358 were used by CNWRA and contracted personnel. These notebook numbers were reviewed against a list of CNWRA Scientific Notebooks showing their status. This review found that CNWRA QA Records has been supplied a copy of notebook 261. CNWRA QA has not received any information on the remaining notebooks earlier referenced.

Document Review Discussion

Document review activities were performed on Intermediate Milestone (IM) and Major Milestone (MM) reports. IM Report 20.01402.471.020 and .040 and MM report 20.01402.471.050 were reviewed. The review found the requirements of QAP-002 were being followed and that the proper forms were being used.

Other Topics

Additional discussions concentrated in the areas of procurement, critical equipment, samples, and software. Dr. Stamatakos stated there had been no quality affecting procurement activities in these areas. He also stated that there had been no critical equipment calibrations and no new samples obtained by the CNWRA. In the software area he mentioned the development of 3DStress Version 1.3.2. The file for 3DStress Version 1.3.2 was reviewed and found that it contained the Software Summary Form and the Software Release Notice. Both of these documents are required by TOP-018.