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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO: 20-5704-16x	REPORT NO: 95-15	PAGE 1 OF 1
SURVEILLANCE SCOPE: General Review of Tectonics Research Tasks for Compliance with QA Program Requirements		
REFERENCE DOCUMENTS: Tectonic Research Project Plan; Quality Assurance Requirements Matrices; Program Manager's Periodic Report (PMPR), Period 02, FY96.		
STARTING DATE: 12/19/95		ENDING DATE: 12/19/95
QA REPRESENTATIVE: R. D. Brient <i>RSB</i>		
PERSONS CONDUCTING TEST/EXAM/ACTIVITY: D. Ferrill, J. Stamatakos		
<p>SATISFACTORY FINDINGS: The most recent PMPR was consulted to identify current activities within Tectonics Research. Discussions were held with the Principal Investigators to review activities, identify personnel involved, and to re-establish the QA requirements applicable to the specific activities. Results are as follows:</p> <p>5704-162—Compilation of Tectonic Data: Very little current activity. Scientific Notebooks are not necessary for this activity. Data qualification is not required based on the anticipated use of the data.</p> <p>5704-163—Critical Review of Compiled Data: A very low level of activity. The Scientific Notebook for this activity is held by a consultant, so was not reviewed.</p> <p>5704-164—Field Investigations: Most of the current activity is in this task. Samples and some compass measurements were recently taken at Bare Mountain. The samples have not been entered into the custody logs and field notes have not yet been transcribed into Scientific Notebooks. Analyses of previously collected samples and the associated notebooks (numbers 99, 100, 113, 118, and 142) were discussed and reviewed. Notebooks generally appeared well in order. Some analysis of samples is conducted by suppliers. In several cases, standards or known value samples are not available; however, the data are not expected to be used in licensing. In addition, the methods used by the outside labs and the analysis software have been documented and partially verified, respectively, in the Scientific Notebook. A sample custody log for Bare Mountain samples was reviewed. Its format is difficult to use, so the recently collected samples will be entered into a more appropriate type of tracking system.</p> <p>5704-166—Analysis of Database and Modeling: The notebook (#141) for the physical analog modeling was reviewed. This was an excellent example of a well documented notebook that will be of great value to the investigators in preparing their reports and to future investigators and reviewers. The experiment relies only on photographs for documentation, so no calibration is required. At the present time, no numerical modeling is being performed.</p> <p>Personnel qualification and indoctrination records were verified for the following personnel contributing to Tectonics activities:</p> <p style="padding-left: 40px;">D. Ferrill, J. Stamatakos, B. Rahe, S. Jones, C. Fleming, B. Henderson, A. Morris, A. Blythe, R. Donelick,</p> <p>The primary report for this project is the Semi-Annual Research Report.</p>		
UNSATISFACTORY FINDINGS: None		
NONCONFORMANCE REPORT NO.: N/A		
ATTACHMENTS: None		
RECOMMENDATIONS/ACTIONS: The sample custody log needs upgrading to allow for easier tracking and sub-sample number assignment. Follow-up is needed to verify proper Scientific Notebook entries of the field activities.		
APPROVED: <i>[Signature]</i> CNWRA DIRECTOR OF QUALITY ASSURANCE DATE: <u>12/20/95</u>	DISTRIBUTION: ORIGINAL - CNWRA QA DIRECTOR ORIGINATOR PRINCIPAL INVESTIGATOR - D. Ferrill J. Stamatakos ELEMENT MANAGER - L. McKague B. Sagar	