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CENTER FOR NUCLEAR WASTE REGULATORY ANALYSES QUALITY ASSURANCE SURVEILLANCE REPORT

PROJECT NO: 20-5702-4xx

REPORT NO: 95-12

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SURVEILLANCE SCOPE: General Review of Geology/Geophysics (GLGP) Operations Plan Tasks for Compliance with QA Program Requirements

REFERENCE DOCUMENTS: HLW Operations Plans FY96; Quality Assurance Requirements Matrices; Program Manager's Periodic Report (PMPR), Period 02, FY96.

STARTING DATE: 12/11/95

ENDING DATE: 12/19/95

QA REPRESENTATIVE: R. D. Brient *RDB*

PERSONS CONDUCTING TEST/EXAM/ACTIVITY: L. McKague, M. Miklas, C. Connor, R. Hofmann, D. Ferrill

SATISFACTORY FINDINGS: The most recent PMPR was consulted to identify current activities within GLGP. Discussions were held with the Principal Investigators to review activities, identify personnel involved, and to reestablish the QA requirements applicable to the specific activities. Results are as follows:

5702-413—Support for NWPAA Mandated Actions: No current activity.

5702-421—LARP Development: Current activity is the preparation of a Prelicensing Evaluation Report for Extreme Erosion. This is joint work with NRC, M. Miklas being the sole CNWRA participant. As no numerical analysis is involved, the use of Scientific Notebooks is determined not to be necessary for this activity. Other than personnel qualification and indoctrination, no other QA program requirements currently apply.

5702-425—Investigate Issues Related to Geology/Geophysics: Current activity covers several areas; identification of type 2 faults, fault/dike interactions, and magnetic survey of the Little Cones. Analysis of fault/dike interactions is being performed by a CNWRA contractor, which has been assigned a Scientific Notebook. This notebook was examined by QA staff in July, 1995. Other current work involves processing earthquake data from the DOE into the ARC/INFO database system. Supporting documentation for the ground magnetic survey of the Little Cones in Crater Flat have not been compiled, so surveillance of those records will be performed next month.

5702-431—Field Verifications: No current activity.

5702-441—Prelicensing Reviews and Interactions: Current activity involves attendance at an NRC/DOE technical meeting, and preparation of a trip report. Personnel qualification and indoctrination requirements apply (only).

Personnel qualification and indoctrination records were verified for the following personnel contributing to GLGP activities:

L. McKague, M. Miklas, D. Ferril, C. Connor, J. Stamatakos, R. Hofmann, G. Stirewalt, B. Henderson, R. Martin, G. Ofoegbu, A. Morris, D. Allen, R. Klar, and P. Hunka.

Review documentation was verified for the following GLGP reports identified in the latest PMPR:

Background Zones for Long-Term PSHA at Yucca Mountain (conference proceedings)
Ground Magnetic Survey of the Little Cones, Crater Flat, Nevada (IM 5702-425-603)

UNSATISFACTORY FINDINGS: Two personnel qualifications records needed minor attention, and were corrected during the surveillance.

NONCONFORMANCE REPORT NO.: N/A

ATTACHMENTS: None

RECOMMENDATIONS/ACTIONS: Follow-up of the ground magnetic survey records will be performed when those records have been compiled.

APPROVED: *[Signature]*
CNWRA DIRECTOR OF QUALITY ASSURANCE

DATE: 12/19/95

DISTRIBUTION:

ORIGINAL - CNWRA QA DIRECTOR: B. Mabrito
ORIGINATOR: R. Brient
PRINCIPAL INVESTIGATORS: M. Miklas, C. Connor,
R. Hofmann, D. Ferrill
ELEMENT MANAGER: L. McKague
B. Sagar, *H. GARCIA*