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NUCLEAR WASTE REPOSITORY PROJECT OFFICE

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NANCY (SEND)

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please send - FYI,
appropriate people -
Thanks
Bill
Beck
7/31/97

July 25, 1997

Ms Birdie Hamilton-Ray
Contracting Officer
US Department of Energy/YMSCO
PO Box 98608
1551 Hillshire Blvd
Las Vegas, NV 89193-8608

Dear Ms Hamilton-Ray:

I am enclosing three copies of the Annual Technical Progress Report as required by Nye County Technical Grant DE-FG08-96NV12027. This report summarizes all technical work completed over the period May 1, 1996 through April 30, 1997 in Nye County borehole ONC#1, DOE hole NRG-4 and in the ESF. In addition to the information in the technical report, I have also summarized the other products related to development of the Nye County Quality Assurance program. A copy of these technical procedures is available for your review upon request.

NWRPO Quality Assurance Program Activities for Grant period

- Development of new computerized record management database initiated January 1997
- Processing QA records into new computerized record management database; backlog of existing records is substantially complete
- Review and approval of all Technical Procedures completed March 1997
- Organizational Chart (in QAPP) updated in March 1997
- Reorganized Nye County sample tracking and initiated in April 1997

NWRPO QA Program Documents

Quality Assurance Program Manual includes the Quality Assurance Program Plan and the following procedures:

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- ◆ QAP-3.1 Procedures for Independent Review
- ◆ QAP-3.2 Procedures for Documentation of Scientific Procedures
- ◆ QAP-5.1 Procedures of Quality Administration Procedures
- ◆ QAP-5.2 Procedures of Work Plans and technical Procedures
- ◆ QAP-6.1 Procedures for Control of Quality Assurance Documents
- ◆ QAP-7.1 Procedures for Control of Purchased Equipment and Services
- ◆ QAP-8.1 Procedures for Sample Management
- ◆ QAP-12.1 Procedures for Control of Measuring and Test Equipment
- ◆ QAP-15.1 Procedures for Control of Nonconforming Items
- ◆ QAP-16.1 Procedures for Corrective Action
- ◆ QAP-17.1 Quality Assurance Records Management Procedures
- ◆ QAP-18.1 Procedures for Quality Assurance Audits and Surveillance's

Technical Program Manual (includes Work Plans and Technical Procedures)

- ◆ WP-1 Nye County/YMP Yucca Mountain Oversight Drilling Program Work Plan
- ◆ WP-2 Monitoring Underground Meteorological Conditions Exploratory Studies Facility
- ◆ TP-8.1 Field Collection and Handling of Water Samples
- ◆ TP-8.2 Thin Section Prep Procedure
- ◆ TP-8.3 Sample Collection, Identification and Control for Mineralogical-Petrology Studies
- ◆ TP-8.4 Binocular Microscope for Fracture and Vug Mineral Studies
- ◆ TP-8.5 Petrography and Modal Analysis Procedure
- ◆ TP-8.6 X-ray Diffraction Procedures
- ◆ TP-8.7 SEM, TEM, Electron Microscope Procedure
- ◆ TP-8.8 Magnetic Susceptibility for Core, Cuttings, and other Samples
- ◆ TP-8.9 Differential Spectrometer (K,U,T) for Core, Cuttings, and other Samples

July 25, 1997

- ◀ TP-9.1 Computer Modeling Quality Assurance
- ◀ TP-9.2 Instrument Calibration and Collection and Processing of Data from Boreholes
- ◀ TP-9.3 Instrument Calibration and Collection and Processing of Data from ESF Tunnels

If you have any questions, please call me at 794-5547 or at 295-7576. Thank you for your assistance over the last year and hope the data generated with the grant will help further the understanding of the geology, hydrology and overall performance of Yucca Mountain.

Sincerely,



Nick Stellavato
Nye County On-Site Representative
Enclosure (1)

cc: Les Bradshaw
Phil Niedzielski-Eichner
Mal Murphy
Parviz Montazer, METI
Dave O. Cox, Questa Eng.
Marcia Housel, PIC
Dow Davidson, CSC
Russel Patterson, USDoE
William Bernard, NWTRB
Bill Belke, USNRC