



Department of Energy

Office of Civilian Radioactive Waste Management
Yucca Mountain Site Characterization Office
P.O. Box 364629
North Las Vegas, NV 89036-8629

QA: N/A

NOV 09 2001

OVERNIGHT MAIL

C. William Reamer, Chief
High-Level Waste Branch
Division of Waste Management
Office of Nuclear Materials Safety
and Safeguards
U. S. Nuclear Regulatory Commission
Two White Flint North
Rockville, MD 20852

TRANSMITTAL OF IN-DRIFT MATERIAL SAMPLES

Reference: Ltr, Reamer to Brocoum, dtd 9/28/01

In the referenced letter, the U.S. Nuclear Regulatory Commission (NRC) and the Center for Nuclear Waste Regulatory Analysis (CNWRA) requested samples of various materials. The materials requested and the materials we are providing are as follows:

Requested	Shipping
1. Steel sets – two 1” squares and two 2” squares of steel support material	One 12” section of steel set
2. Grout – one kg of powdered grout mix	One kg of powdered grout mix
3. Rock bolt – one whole rock bolt	One Split Set rock bolt and one Super Swellex rock bolt
4. Wire mesh – five square feet of wire mesh	Five square feet of wire mesh

Compositional analyses for the materials were also requested. With the materials, we included an analysis of the grout as well as American Society for Testing Materials (ASTM) standards A 36 and F 432, which include chemical composition requirements for steel sets and rock bolts respectively. The specification for wire mesh, ASTM A 185, does not include any requirements for chemical composition, nor does the specification for the steel wire used to fabricate the wire mesh, ASTM A 82.

*Wmason
WM-11*

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Differences between the samples requested and those being provided have been discussed with NRC and CNWRA staff and these differences were agreed to be acceptable.

As per your request the above listed materials will be sent to:

Dr. Lauren Browning
Southwest Research Institute/Div. 20
Center for Nuclear Waste Regulatory Analysis
6220 Culebra Road, Building 189
San Antonio, TX 78238-5166

The materials were shipped on November 7, 2001.

If you require any additional information, please contact Timothy C. Gunter at (702) 794-1343.



Stephan Brocoun
Assistant Manager, Office of
Licensing and Regulatory Compliance

OL&RC:TCG-0180

cc:

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