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101.2/WRR/84/11/16

- 1 -

O. L. Olson, Project Manager
U. S. Department of Energy
Richland Operations Office
BWIP Project Office
P.O. Box 550
Richland, WA 99352

WM Record File

101.2

WM Project 10

Docket No.

PDR

LPDR

Distribution:

Dear Mr. Olson:

(Return to WM, 523 81)

Enclosed is a request for samples of basalt chip material obtained during drilling operations, from Stephen Nicolosi, Battelle Columbus Laboratories (BCL), an NRC contractor. The NRC quality assurance program for BCL, discussed in the contract work plan, is also enclosed. In accordance with the principles established in the DOE/NRC Site-Specific Procedural Agreement, I ask that you review this request and advise me as to when our contractor will receive the sample material.

If you have any questions or require further information, please contact Dr. John Randall at (301) 427-4633.

Sincerely,

James Kennedy
BWIP Section Leader
Repository Projects Branch
Division of Waste Management

Enclosures:

Letter to Dr. John Randall
NRC quality assurance program

Record Note: The Materials Engineering Section, WMEG, has considerable interest in this RES contract. According to K. Chang, the requested sample material is necessary to carry out the RES program.

8502280595 841211
PDR WASTE
WM-10 PDR

*See previous concurrence

| | | | | | | | |
|------|-------------|------------|------------|-----------|---|---|---|
| OFC | :WMRP:ejc | :WMRP | :WMRP | :WMRP | : | : | : |
| NAME | :WRehfeldt* | :JKennedy* | :RJWright* | :HJMiller | : | : | : |
| DATE | :12/ /84 | :12/ /84 | :12/ /84 | :12/10/84 | : | : | : |

1211

DEC 11 1984

101.2/WRR/84/11/16

- 1 -

O. L. Olson, Project Manager
U. S. Department of Energy
Richland Operations Office
BWIP Project Office
P.O. Box 550
Richland, WA 99352

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Enclosure:
Letter to Dr. John Randall

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|------|------------|-----------|-----------|-----------|---|---|---|
| OFC | :WRR:ejc | :WRR | :WRR | :WRR | : | : | : |
| NAME | :WRehfeldt | :JKennedy | :RJWright | :HJMiller | : | : | : |
| DATE | :11/16/84 | :11/19/84 | :11/16/84 | :11/ /84 | : | : | : |

SAMPLE REQUEST FORM

Quantity

SAMPLE REQUEST FORM (CONTINUED)

Time Frame

Date Samples Needed January 1985

Time Required to Complete Testing/Analysis 1.5 yr

Time Required to Publish Results 2yr

Format of Results Topical NUREG/CR report

Objectives of Tests to be Performed To investigate combined effects that are expected to affect long-term performance of HLW packages, especially corrosion and radiolysis.

Test Method Hot cell integral experiments in a radiation field

Use/Need for Test Data/Information in Geologic Repository Program NRC needs the information for understanding waste package failure. The information provided on combined effects will be used in making HLW licensing decisions.

Preparation, Packaging, Transportation Requested

Preparation Procedure Masses of basalt samples are specified in attached table.

Packaging Procedure Dry packaging.

Transportation Procedure Truck, UPS.

Sample to be Shipped to:

Name Stephen L. Nicolosi

Organization Battelle Columbus Laboratories

Address 505 King Avenue, Columbus, OH 43201-2693

Telephone (614) 424-4762 (FTS) 976-4762

Comments: Also, please attach any additional materials, such as test plans. QA plan is attached.