



Battelle

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October 25, 1984

Dr. John Randall
U.S. NRC
Willste Building
7915 Eastern Avenue
Silver Spring, Maryland 20910

Dear John:

I have reviewed the BWIP well logs and drafted a table which I believe will be useful to you in your request to DOE for basalt chip material obtained during the coring operations.

This material will be used in the NRC funded program "Long-Term Performance of Materials Used for High-Level Waste Packaging", Contract No. NRC-04-82-015.

The attached table shows the well number, formation type, local upper and lower depths of specific zones in the formation, the type of zone, and the mass of basalt chips requested from each stratum. The mass of chips requested is in grams and a precision and accuracy of +/- 1% will be sufficient. The total mass of material requested is 55 pounds. Based on discussions with personnel at Rockwell-Hanford, the mass of material requested from each stratum should represent less than 50% of the material recovered from each stratum for most strata.

If you have any questions or require further information, please feel free to call me at (614) 424-4762.

Sincerely,

Stephen L. Nicolosi

Mr. Stephen L. Nicolosi
Research Scientist
Risk, Safety, and Reliability
Analysis Section

SLN:v1

Enclosure

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PDR WASTE
WM-10

PDR

Well	Formation	Upper Depth (ft)	Lower Depth (ft)	Zone	Mass of Chips Requested (gms)
DC-4	Grand Ronde 4 (Cohasset)	2967.1	2980.2	breccia	735
		2990.0	3032.0	disking	2940
		3057.3	3085.2	vesicular	1470
		3174.1	3192.1	disking	1470
RRL-14	Grand Ronde 4 (Cohasset)	3082.0	3098.5	breccia	480
		3193.0	3203.0	vesicular	480
		3116.0	3162.0	disking	1920
		3165.0	3242.0	disking	3360
		3272.0	3292.0	disking	960
		3309.0	3320	disking	480
RRL-6	Grand Ronde 4 (Cohasset)	3092.5	3102.0	breccia	730
		3175.0	3184.0	vesicular	480
		3102.0	3122.0	vuggy	1460
		3190.0	3201.0	vesicular	730
		3150.0	3172.0	disking	1460
		3179.0	3188.0	disking	730
RRL-2	Grand Ronde 4 (Cohasset)	2993.0	2999.0	breccia	730
		2999.0	3010.0	vuggy	730
		3021.0	3078.0	disking	1460
		3095.0	3107.0	vesicular	730
		3183.0	3217.0	disking	1460