

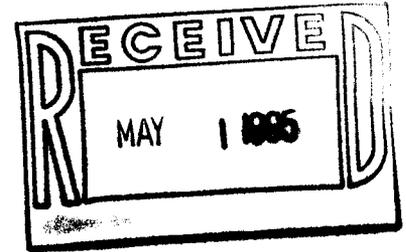
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Bruce

Los Alamos

NATIONAL LABORATORY
Environmental Restoration Project
EM/ER, MS M992
Los Alamos, New Mexico 87545
(505) 665-4557, FAX 665-4747

Date: April 18, 1995
Refer to: EM/ER:95-154



LANL/ER/60 1148

Mr. Ted Taylor, Program Manager
U.S. Department of Energy
Los Alamos Area Office, MS A316
Los Alamos, NM 87544

SUBJECT: FIELD UNIT 5 SAMPLING AT FORMER OPERABLE UNIT (OU) 1148

Dear Mr. Taylor:

Field Unit 5 is planning to start sampling at former OU 1148 on or about May 9, 1995, and end on June 2, 1995. Sampling will be performed during drilling operations at Technical Area 54, Material Disposal Areas (MDAs) J and H.

At MDA-J, four boreholes will be drilled adjacent to material disposal units to determine if contaminants of concern have been released from the respective disposal units. A total of 18 soil samples, including one duplicate soil sample, will be submitted for analyses. A portion of each soil sample will also be submitted to the radvan for tritium and gross alpha, beta, and gamma radiation analysis. Contaminants of concern and sample containers are the following:

MDA-J SOIL SAMPLES

Sample No.	Sample Type	Contaminant of Concern	Sample Containers
18	Soil Sample (including one duplicate soil sample)	VOCs SVOCs Pesticides/Herbicides PCBs	1-6 inch brass sleeve with teflon sealed ends
		TAL Metals and Cyanide	1-125 ml. poly bottle
1	Rinsate Blant	VOCs SVOCs	2-40 ml. vials w/HCL 1-1L. amber glass
1	Field Blank	Pesticides/Herbicides/	1-1L. amber glass
		TAL Metals	1-500 ml. poly bottle w/HNO ₃
		Cyanide	1-500 ml. poly bottle w/NaOH
6-7	Trip Blank	VOCs	2-40 ml. vials w/HCL



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At MDA H, four boreholes will be drilled adjacent to material disposal units to determine if contaminants of concern have been released from the respective disposal units. A total of 34 soil samples, including two duplicate soil samples, will be submitted for analyses. A portion of each soil sample will also be submitted to the radvan for tritium and gross alpha, beta, and gamma radiation analysis. Contaminants of concern and sample containers are the following:

MDA-H SOIL SAMPLES

Sample No.	Sample Type	Contaminant of Concern	Sample Containers
34	Soil Sample (including two duplicate soil samples)	VOCs SVOCs Pesticides/Herbicides PCBs	1-6 inch brass sleeve with teflon sealed ends
		TAL Metals and Cyanide	1-125 ml. poly bottle
		Tritium	1-125 ml. moisture sealed poly bottle
		Gross alpha, beta radiation Gamma Spectroscopy	1-500 ml. poly bottle
2	Rinsate Blant	VOCs	2-40 ml. vials w/HCL
2	Field Blank	SVOCs	1-1L. amber glass
		Pesticides/Herbicides/PCBs	1-1L. amber glass
		TAL Metals	1-500 ml. poly bottle w/HNO ₃
		Cyanide	1-500 ml. poly bottle w/NaOH
		Tritium	1-125 ml. moisture sealed poly bottle
		Gross alpha, beta radiation Gamma Spectroscopy	3-1L. poly bottle
8-9	Trip Blank	VOCs	2-40 ml. vials w/HCL

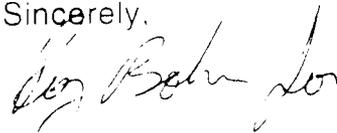
Mr. Ted Taylor
EM/ER:94-154

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April 18 1995

The readiness review for this sampling activity was conducted on April 11, 1995. If you have any questions or concerns, please feel free to give me a call.

Sincerely,



David J. McInroy
Environmental Restoration Program

DJM/bp

Cy: B. Driscoll, EPA
B. Garcia, NMED-HRMB
J. Jansen, EM/ER, MS M992
C. Rofer, EES-1, MS D462
B. Swanton, NMED-HRMB
EM/ER File, MS M992
RPF, MS M707