Los Alamos
Los Alamos National Laboratory
Los Alamos, New Mexico 87545

ENTERED

DATE: August 5, 1994
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0407
77-46

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

Dear Mr. Taylor:

We are planning to resume sampling at Operable Unit (OU) 1140 on or about August 17, 1994, through mid-November 1994. Investigations will include 45 Potential Release Sites, and approximately 323 samples will be taken. Attached is a sampling summary for each site.

The readiness review for this voluntary corrective action was conducted on May 4, 1994. If you have any questions or concerns, please feel free to give me a call.

Sincerely,

David J. McInroy
Environmental Restoration Program

DJM/bp

Enclosure a/s

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2550

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Table 5-6-5

Summary of OU 1140 TA-46 Stack Emissions Waste Characterization, Sampling and Analysis

Structure Sample Total 0
Surface Sample Total 31
Subsurface Sample Total 292

	PRS	Outfall Field ID	PRS Type Outfall Type	Phase 1 Approach	Field Surveys			Samples				Field Screening						Field Lab.						Laboratory Analyses															Aggregate
					Land Survey	Geophysics	Radiation	Sampled Media	Structure	Surface	Subsurface	Gross Alpha	Gross Gamma/Beta	Organic Vapor	Combustible gas/oxygen	X-Ray Fluorescence	Lithologic Logging	Gross Alpha	Tritium	Soil Moisture	Gamma Spectroscopy	PCB	VOA	Gamma Spectroscopy	Isotopic Americium	Total Uranium	Isotopic Uranium	Isotopic Plutonium	Isotopic Thorium	Alkali Metals (Cs, Li)	VOA (SW 8240)	Semivolatiles (SW 8270)	TCLP	Metals (SW 6010)	PCB (SW 8080)	Asbestos	Mercury	Herbicides	Pesticides	
(1)	Agg 5.6		Stack Emission	Reconn	1			Soil	0	2	0	1	1								1			1			1		1					1						5.6
(2)	Agg 5.6		Stack Emission	Reconn	1			Soil/Sediment	0	2	0	1	1					1			1			1			1		1					1						5.6
(3)	46-004-h	A	Outfall-pipe	Reconn	1			Sediments	0	0	9	1	1	1		1	1	1			1		1	1			1		1		1∞	1		1						5.4
(4)	46-004-q	B	Outfall-pipe	Reconn	1			Sediments	0	0	3	1	1	1		1	1	1			1		1	1			1				1∞	1		1						5.4
(5)		C	Outfall-pipe	Reconn	1			Sediments	0	0	6	1	1	1		1	1	1			1	1	1	1			1		1		1	1		1						5.4
(6)	46-004-u	F	Outfall-pipe	Reconn	1			Sediments	0	0	3	1	1	1		1	1						1								1∞	1		1						5.4
(7)	46-004-v	G	Outfall-pipe	Reconn	1			Sediments	0	0	3	1	1				1															1								5.4
(8)		I	Outfall-pipe	Reconn	1			Sediments	0	0	18	1	1	1		1	1	1			1	1	1	1			1		1		1	1		1						5.4
(9)	46-004-x	J	Outfall-pipe	Reconn	1			Sediments	0	0	21	1	1	1		1	1	1			1	1	1	1			1		1		1∞	1		1	1		1			5.4
(10)	46-004-y	K	Outfall-pipe	Reconn	1			Sediments	0	0	15	1	1	1		1	1	1			1	1	1	1			1		1		1∞	1		1	1		1			5.4
(11)	46-004-z	L	Outfall-pipe	Reconn	1			Sediments	0	0	24	1	1	1		1	1	1			1	1	1	1			1		1		1∞	1		1	1		1			5.4
(12)		M	Outfall-pipe	Reconn	1			Sediments	0	0	9	1	1	1		1	1	1			1	1	1	1			1		1		1	1		1						5.4
(13)	46-004-g	N	Outfall-Surface	Reconn	1			Sediments	0	0	24	1	1	1		1	1	1			1		1	1			1		1		1∞	1		1			1			5.4
(14)		P	Outfall-pipe	Reconn	1			Sediments	0	0	24	1	1	1		1	1	1			1	1	1	1			1		1		1	1		1						5.4
(15)		Q	Outfall-pipe	Reconn	1			Sediments	0	0	6	1	1	1		1	1	1			1	1	1	1			1		1		1	1		1						5.4
(16)	46-004-c2	S	Outfall-pipe	Reconn	1			Sediments	0	0	9	1	1	1		1	1	1			1		1	1			1		1		1∞	1		1			1			5.4
(17)	46-004-b2	U	Outfall-pipe	Reconn	1			Sediments	0	0	12	1	1	1		1	1	1			1		1	1			1		1		1∞	1		1			1			5.4
(18)	46-004-s	X	Outfall-pipes	Reconn	1			Sediments	0	0	9	1	1	1		1	1	1			1	1	1	1			1				1∞	1		1	1		1			5.4
(19)	46-004-f	Y	Outfall-pipe	Reconn	1			Sludge/Sediments	0	1	0	1	1	1		1		1			1	1	1	1			1				1	1		1	1		1			5.4
(20)	46-004-w	AA	Outfall-pipe	Reconn	1			Sediments	0	1	0	1	1	1								1	1								1	1			1					5.4
(21)	46-004-m	CC	Outfall-pipe	Reconn	1			Sediments	0	0	9	1	1	1		1	1	1			1		1	1			1				1	1		1			1			5.4
(22)	46-004-a2	MM	Outfall-pipe	Reconn	1			Sediments	0	0	9	1	1	1		1	1	1			1	1	1	1			1		1		1∞	1		1	1		1			5.4
(23)		QQ	Outfall-pipe	Reconn	1			Sediments	0	0	6	1	1	1		1	1	1			1	1	1	1			1		1		1	1		1	1					5.4
(24)		TT	Outfall-pipe	Reconn	1			Sediments	0	0	6	1	1	1		1	1	1			1	1	1	1			1		1		1	1		1	1					5.4
(25)		AE	Outfall-surface	Reconn	1			Sediments	0	0	6	1	1	1		1	1	1			1	1	1	1			1		1		1	1		1						5.4
(26)		AF	Outfall-surface	Reconn	1			Sediments	0	0	6	1	1	1		1	1	1			1	1	1	1			1		1		1	1		1						5.4
(27)		AG	Outfall-surface	Reconn	1			Sediments	0	0	6	1	1	1		1	1	1			1	1	1	1			1	1	1		1	1		1			1			5.4
(28)		AH	Outfall-surface	Reconn	1			Sediments	0	0	6	1	1	1		1	1	1			1	1	1	1			1	1	1		1	1		1			1			5.4
(29)		AL	Outfall-surface	Reconn	1			Sediments	0	0	6	1	1	1		1	1	1			1	1	1	1			1		1		1	1		1						5.4
(30)	46-006-a		Drum Storage	Reconn	1			Soil	0	0	6	1	1	1		1		1			1	1	1	1	1		1				1	1		1	1				1	5.3
(31)	46-006-b		General Storage	Reconn	1			Soil/Paving	0	0	3	1	1			1		1			1	1		1			1					1		1	1					5.3
(32)	46-006-d		Surface Disposal	Reconn	1			Soil	0	1	0	1	1	1		1		1			1	1	1	1			1	1			1	1		1	1		1			5.3
(33)	46-006-f		General Storage	Reconn	1			Soil	0	3	0	1	1	1		1		1			1	1	1	1			1				1	1		1	1	1	1			5.3
(34)	46-006-g		Surface Release	Reconn	1			Paving	0	0	2	1	1	1				1			1		1	1			1				1	1								5.3
(35)	46-007		Surface Disposal	Reconn	1			Soil	0	3	0	1	1	1		1		1			1		1	1			1			1	1	1		1†			1			5.3
(36)	46-008-a		Drum Storage	Reconn	1			Soil	0	3	0	1	1			1																1		1						5.3
(37)	46-008-b		Drum Storage	Reconn	1			Soil	0	2	0	1	1									1										1			1					5.3
(38)	46-008-d		Drum Storage	Reconn	1			Soil	0	2	0	1	1	1		1		1			1	1	1	1			1				1	1		1	1		1			5.3

August 4, 1994

Table 5-3-8

Summary of OU 1140 TA-46 Surface Releases Waste Characterization, Sampling and Analysis

Structure Sample Total 0
Surface Sample Total 31
Subsurface Sample Total 292

	PRS	Outfall Field ID	PRS Type Outfall Type	Phase 1 Approach	Field Surveys			Samples				Field Screening						Field Lab.						Laboratory Analyses																	Aggregate
					Land Survey	Geophysics	Radiation	Sampled Media	Structure	Surface	Subsurface	Gross Alpha	Gross Gamma/Beta	Organic Vapor	Combustible gas/oxygen	X-Ray Fluorescence	Lithologic Logging	Gross Alpha	Tritium	Soil Moisture	Gamma Spectroscopy	PCB	VOA	Gamma Spectroscopy	Isotopic Americium	Total Uranium	Isotopic Uranium	Isotopic Plutonium	Isotopic Thorium	Alkali Metals (Cs, Li)	VOA (SW 8240)	Semivolatiles (SW 8270)	TCLP	Metals (SW 6010)	PCB (SW 8080)	Asbestos	Mercury	Herbicides	Pesticides	
(39)	46-008-e		Drum Storage	Reconn	1			Soil	0	4	0	1	1	1		1		1					1	1			1				1	1		1	1					5.3
(40)	46-008-f		Drum Storage	Reconn	1			Soil	0	1	0	1	1	1		1		1			1		1	1			1				1	1		1						5.3
(41)	46-008-g		Drum Storage	Reconn	1			Soil	0	0	8	1	1	1								1	1								1	1			1					5.3
(42)	Agg 5.6		Stack Emission	Reconn	1			Soil	0	3	0	1	1					1			1			1			1		1					1						5.6
(43)	46-006-d		Surface Disposal	Reconn	1			Soil	0	0	15	1	1	1		1		1			1	1	1	1			1	1			1	1		1	1		1			5.3
(44)	46-006-a	42-OPN	Outfall-Pipe	Reconn	1			Soil	0	0	3	1	1	1		1		1			1	1	1	1	1		1				1	1		1	1				1	5.4
(45)	46-006-d		Surface Disposal	Reconn	1			Soil	0	3	0	1	1	1		1		1			1		1	1			1	1	1		1	1		1	1		1			5.3