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TA 00

Date: Mary 3, 2006
Refer to: ER2006-0422

Mr. James Bearzi
NMED – Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

RECEIVED
MAY 2006

SUBJECT: SAMPLING NOTIFICATION, PUEBLO CANYON AGGREGATE AREA

Dear Mr. Bearzi:

The Los Alamos National Laboratory (the Laboratory) Environmental Stewardship Division–Environmental Characterization and Remediation (ENV-ECR) Group is planning to conduct soil sampling in accordance with investigation activities at the Pueblo Canyon Aggregate Area, Technical Area (TA) 00. The sampling is scheduled to begin on or about May 18, 2006, and will continue until September, 2006. The 'Pueblo Canyon Aggregate Area investigation work plan' submitted in May, 2005, (LA-UR-05-2366)—as approved with modifications by the New Mexico Environment Department on September 23, 2005—will be used to guide the sampling of soils potentially contaminated by former Laboratory operations at the site. The sampling is summarized in the included table.

If you have any question regarding this sampling or wish to arrange a site visit, please contact Becky Coel-Roback at (505) 665-5011 (becky_cr@lanl.gov).

Sincerely,

Charles W. Criswell, Program Director
Environmental Remediation & Surveillance
Los Alamos National Laboratory

Enclosure: Attachment 1–Pueblo Canyon Aggregate Area Sample Summary

BCR/jk

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S-7, MS F674 (unbound copy only)
ENV-ECR File, MS M992 (w/CD)
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Attachment 1—Pueblo Canyon Aggregate Area Sample Summary

SWMU/AOC/ Consolidated Unit	Sample Description Type and Location	Depth Range (ft below ground surface)	Laboratory Analyses																Total Number of Samples
			pH	Nitrates	Cyanide	Perchlorate	TAL Metals	VOCs	SVOCs	Pesticides	PCBs	Gamma Spectroscopy	Tritium	Isotopic Plutonium	Americium-241	Cesium-137	TPH	PAHs	
SWMU 00-018(a)	Sludge beds and vicinity	0-0.5 to 15.5	x	x	x	x	x	-	-	-	-	-	x	-	-	-	-	-	4
	Vertical nature and extent (Hg & Pest.) at historical locations	1-1.5 to 4-4.5 (into tuff)	x	x	x	x	x	-	-	x	-	-	-	-	-	-	-	-	3
	Vertical nature and extent (PCB, SVOC & Pest.) at historical locations	1-1.5 to 4-4.5 (into tuff)	x	x	x	x	x	-	x	x	x	-	-	-	-	-	-	-	3
	Vertical nature and extent (metals) at historical locations	1-1.5 to 4-4.5 (into tuff)	x	x	x	x	x	-	-	-	-	-	-	-	-	-	-	-	3
	Vertical nature and extent (SVOC) at historical locations	1-1.5 to 4-4.5 (into tuff)	x	x	x	x	x	-	x	-	-	-	-	-	-	-	-	-	2
	Nature and extent of contamination outside of SWMU	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	30
AOC 00-018(b)	Beneath active drying bed	2-2.5 to 5-5.5	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	2
	Nature and extent of contamination outside of SWMU	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	9
AOC 00-030(d)	Angled and vertical boreholes (Septic Tank)	10 - 21.5	x	x	x	x	x	x	x	x	x	x	-	x	-	-	-	-	7
	Historical Location to define vertical extent	1-1.5 to 4-4.5 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	x	-	-	-	-	6
	Nature and extent of contamination	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	x	-	-	-	-	6
AOC 00-030(eN)	Post-removal excavation and inlet/outlet	6-6.5 to 14-14.5	x	x	x	x	x	x	x	x	x	x	-	-	x	-	-	-	11
	Nature and extent of contamination	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	-	x	-	-	-	12
AOC 00-030(eS)	Beneath former septic tank	4-4.5 to 12-12.5	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	3
	Nature and extent of contamination	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	15
AOC 00-030(f)	Post-removal excavation and inlet/outlet	8-8.5 to 17-17.5	x	x	x	x	x	x	x	x	x	x	-	-	x	-	-	-	12
	Nature and Extent of contamination	0-0.1 to 1.5-2	x	x	x	x	x	x	x	x	x	x	-	-	x	-	-	-	9
AOC 00-030(h)	Historical Location to define vertical extent	9-9.5 to 18-18.5	x	x	x	x	x	x	x	x	x	x	-	x	-	x	-	-	3
	Nature and extent of contamination	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	x	-	x	-	-	19
AOC 00-030(j)	Nature and extent of contamination	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	10
AOC 00-030(n)	Historical Location to define vertical extent at former tank and inlet	3.5-4 to 9-9.5	x	x	x	x	x	-	x	x	x	x	-	x	x	-	-	-	5
	Nature and extent of contamination	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	x	x	-	-	-	19

Attachment 1—Pueblo Canyon Aggregate Area Sample Summary

SWMU/AOC/ Consolidated Unit	Sample Description Type and Location	Depth Range (ft below ground surface)	Laboratory Analyses																Total Number of Samples
			pH	Nitrates	Cyanide	Perchlorate	TAL Metals	VOCs	SVOCs	Pesticides	PCBs	Gamma Spectroscopy	Tritium	Isotopic Plutonium	Americium-241	Cesium-137	TPH	PAHs	
AOC 00-030(o)	Angled and vertical boreholes (Septic Tank)	10-10.5 to 21-21.5	x	x	x	x	x	x	x	x	x	x	-	x	-	-	-	-	5
	Nature and extent of contamination	0-0.5 to 4-4.5 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	x	-	-	-	-	13
AOC 00-030(p)	Historical location to define vertical extent	11.5-12 to 15.5-16	x	x	x	x	x	x	x	-	x	x	-	x	-	x	-	-	3
	Nature and extent of contamination	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	x	-	x	-	-	12
SWMU 00-039	Angled and vertical boreholes (former dry cleaning tanks)	0.5-1 to 59.5-60	-	-	-	-	-	x	x	-	-	-	-	-	-	-	x	-	38
AOC C-00-043	Boreholes adjacent to former manhole	8-8.5 to 13-13.5	x	x	x	x	x	x	x	x	x	x	-	x	-	x	-	-	12
SWMU 31-001	Boreholes at former drainline of former septic tank	3-3.5 to 13.5-14	x	x	x	x	x	x	x	x	-	x	-	-	-	-	-	-	6
	Nature and extent of contamination	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	12
Consolidated Unit 45-001-00																			
SWMU 45-001	Borehole to define nature and extent	0-0.5 to 29.5-30	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	-	6
	Historical location nature and extent (north waste line)	1.5-2 (into tuff)	-	-	-	-	x	-	-	-	-	-	-	-	-	-	-	-	4
	Nature and extent of contamination	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	15
AOC 45-001	Nature and extent of contamination	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	-	-	-	-	-	-	-	6
SWMU 45-002	Nature and extent of contamination	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	-	-	-	x	x	-	-	-	-	-	-	3
SWMU 45-003	Borehole to define nature and extent	0-0.5 to 9.5-10 (into tuff	x	x	x	x	x	-	-	-	x	x	-	-	-	-	-	x	5
SWMU 45-004	Nature and extent of contamination	0-0.5 to 1.5-2 (into tuff)	x	x	x	x	x	x	x	x	x	x	x	-	-	-	-	-	3