



TA 10



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Date: June 28, 2007
Refer To: EP2007-0415

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

Subject: Fifteen-Day Sampling Notification, Bayo Canyon Aggregate Area, Located at Former Technical Area 10

Dear Mr. Young:

The Los Alamos National Laboratory Environmental Programs–Corrective Actions Project is planning to conduct nonintrusive surveys, excavate exploratory test pits and trenches, and collect samples from within the Bayo Canyon Aggregate Area, located at former Technical Area 10. This work is being conducted in accordance with the “Bayo Canyon Aggregate Investigation Work Plan,” submitted in November 2005 (ER2005-0890). The work plan was approved with modifications by the New Mexico Environment Department on December 19, 2005. A geodetic survey will be performed to locate former structures and predefined sampling locations. A site-wide radiological survey will be performed to identify areas of elevated radiation attributable to structure locations, releases, or radioactive shrapnel. Geophysical surveys will be performed to locate remaining shrapnel, buried structures, and indications of former structures. The sampling will be conducted as described in the work plan and as summarized in the attached table. This field campaign is scheduled to begin on or about July 16, 2007.

If you have any questions regarding this fieldwork, or if you wish to arrange a site visit, please contact Becky Coel-Roback at (505) 665-5011.

Sincerely,

Gordon L. Dover, Project Director
Environmental Programs – Corrective Actions Program
Los Alamos National Laboratory



Mr. John Young
EP2007-0415

June 28, 2007

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IRM-RMMSO, MS A150

Public Reading Room, MS M992

RPF, MS M707

Summary of Surface, Shallow Subsurface, and Subsurface Sampling at Former TA-10, located in Bayo Canyon, Los Alamos, NM				
Plan/Document	Consolidated Unit, SWMU, or AOC	Number of Locations	Sample Type	Minimum Sample Number and Analyses
Bayo Canyon Aggregate Investigation Work Plan (ER2005-0890)	Site Wide	26 (hand auger surface samples)	Surface and Shallow Subsurface	52 VOCs, SVOCs, explosive compounds, TAL metals, perchlorate, cyanide, strontium-90, and gross alpha, beta, gamma
	AOC 10-009	5 (hand auger surface samples)	Surface and Shallow Subsurface	10 VOCs, SVOCs, explosive compounds, TAL metals, perchlorate, cyanide, strontium-90, and gross alpha, beta, gamma
	AOC C-10-001	5 (hand auger surface samples)	Surface and Shallow Subsurface	10 VOCs, SVOCs, explosive compounds, TAL metals, perchlorate, cyanide, strontium-90, and gross alpha, beta, gamma
	Consolidated Unit 10-001(a)-99 (SWMU 10-005)	2 (boreholes)	Subsurface soil/tuff	4 VOCs, SVOCs, explosive compounds, TAL metals, perchlorate, cyanide, strontium-90, and gross alpha, beta, gamma
	Consolidated Unit 10-002(a)-99 (outside Central Area)	30 (boreholes)	Subsurface soil/tuff	60 VOCs, SVOCs, explosive compounds, TAL metals, perchlorate, cyanide, strontium-90, and gross alpha, beta, gamma
	Consolidated Unit 10-002(a)-99 (Central Area)	11 (boreholes)	Subsurface soil/tuff	22 VOCs, SVOCs, explosive compounds, TAL metals, perchlorate, cyanide, strontium-90, and gross alpha, beta, gamma

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Plan/Document	Consolidated Unit, SWMU, or AOC	Number of Locations	Sample Type	Minimum Sample Number and Analyses
Bayo Canyon Aggregate Investigation Work Plan (ER2005-0890)	Consolidated Unit 10-002(a)-99 (Central Area)	1 (borehole)	2 Core samples	2 Hydraulic conductivity, porosity, bulk density
	SWMU 10-004(a)	5 (boreholes)	Subsurface soil/tuff	10 VOCs, SVOCs, explosive compounds, TAL metals, perchlorate, cyanide, strontium- 90, and gross alpha, beta, gamma
	SWMU 10-006 (Location Unknown)	Unknown	Surface and subsurface soil/tuff	VOCs, SVOCs, explosive compounds, TAL metals, perchlorate, cyanide, strontium- 90, and gross alpha, beta, gamma
	AOC 10-009	5 (boreholes)	Subsurface soil/tuff	10 VOCs, SVOCs, explosive compounds, TAL metals, perchlorate, cyanide, strontium- 90, and gross alpha, beta, gamma