

TA-03

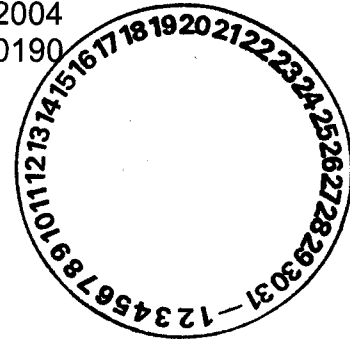


Los Alamos National Laboratory/University of California
Risk Reduction & Environmental Stewardship (RRES)
Remediation Services (RS), MS M992
Los Alamos, New Mexico 87545
(505) 667-0808/FAX (505) 665-4747



National Nuclear Security Administration
Los Alamos Site Operations, MS A316
Environmental Restoration Program
Los Alamos, New Mexico 87544
(505) 667-7203/FAX (505) 665-4504

Date: April 15, 2004
Refer to: ER2004-0190



Mr. John Young, Project Leader
Permits Management Program
NMED – Hazardous Waste Bureau
2905 Rodeo Park Drive East
Building 1
Santa Fe, NM 87505-6303

SUBJECT: RESPONSE TO REQUEST FOR “APPROVAL WITH MODIFICATIONS OF THE GROUNDWATER INVESTIGATION WORK PLAN FOR SOLID WASTE MANAGEMENT UNIT 3-010(a) AT TECHNICAL AREA 3 LOS ALAMOS NATIONAL LABORATORY”

Dear Mr. Young:

In your letter “Approval with Modifications of the Groundwater Investigation Work Plan for Solid Waste Management Unit 3-010(a) at Technical Area 3” dated March 31, 2004, NMED requested a copy of the borehole log for BH 03-22098. A copy of the borehole log is enclosed. This borehole was drilled in April 2003 as part of a “geotechnical investigation” done in conjunction with construction of a multi-story parking garage south of Building SM-30. While the purpose of this borehole was to support construction efforts, Risk Reduction and Environmental Stewardship (RRES) took advantage of the opportunity to expand known data related to SWMU 3-010(a). The completion of this borehole gave RRES an opportunity to increase our knowledge of the site by observation of stratigraphy during drilling. Descriptions of the core from a split spoon sampler were recorded and photographed.

If you have any questions, please contact Gabriela Lopez Escobedo at (505) 665-7352 or David Gregory at (505) 667-5808.

Sincerely,

David McInroy, Deputy Project Director
Remediation Services
Los Alamos National Laboratory

Sincerely,

David Gregory, Federal Project Director
Department of Energy
Los Alamos Site Operations



An Equal Opportunity Employer/Operated by the



Printed on Recycled Paper



5739

Enclosures: Borehole log for BH 03-22098

Cy:(w/enc)

K. Kisiel, SEA, MS C300
G. Lopez Escobedo, RRES-RS, MS M992
D. Stephen, PMC, MS C300
D. Gregory, LASO, MS A316
M. Leavitt, NMED-SWQB
C. Voorhees, NMED-OB
L. King, EPA Region 6
RRES-RS File, MS M992
IM-5, MS A150
RPF MS M707

Cy:(w/o enclosure)

D. McInroy, RRES-RS, MS M992
N. Quintana, RRES-ECR, MS M992
K. VanDerpoel, RRES-RS, MS M992
J. Kieling, NMED-HWB
S. Martin, NMED-HWB

LOCATION/ BOREHOLE ID: 03-22098	PROJECT: Building SM-30, SWMU 3-010(a), TA-3	DATE: 04/02/03
TOTAL DEPTH: ~40.0 ft bgs; backfilled with cuttings	BOREHOLE ORIENTATION Vertical; 4.5 in. diameter	DRILLING COMPANY: Geo-Test
DRILLING METHOD: HSA rotary core w/ air; 4.5 in. auger flights w/ .375 split spoon	RAD FIELD SCREENING RESULTS: all core and cuttings below background	PROJECT MANAGER: Gabriela Lopez-Escobedo

DEPTH (ft asl)	CORE RUN	FOOTAGE INTERVAL (ft)	DRILLED/ RECOVERED (ft)	DRILL CORE/CUTTINGS DESCRIPTIONS	% MOISTURE	LITHOLOGIC LOG
5		0-4.5	4.5/0.0	No samples; Asphalt, gravel, and crushed tuff; dry.		
	1	4.5-6.0	1.5/1.5	Augered into top of tuff at ~4 ft and began coring at 4.5 ft; light brown tuff, dry.	10.78	
10		6.0-14.5	8.5/0.0	No samples; tuff, dry.		
15	2	14.5-16.0	1.5/1.5	Light to medium brown (with depth) tuff, dry.	10.52	
20		16.0-24.5	8.5/0.0	No samples; tuff, dry.		
25	3	24.5-26.0	1.5/0.0	Note: split spoon unable to penetrate for core sample at the 24.5 to 26.0 ft interval, sample taken from cuttings at the surface; medium brown tuff, slightly damp.	11.29	
30		26.0-34.5	8.5/0.0	No samples; tuff, dry.		
35	4	34.5-36.0	1.5/0.0	Note: sample taken from cuttings at the surface; medium brown tuff, dry.	9.95	
		36.0-38.0	2.0/0.0	No samples; tuff, dry.		
40	5	38.0-40.0	2.0/2.0	Medium brown tuff, dry.	9.9	