

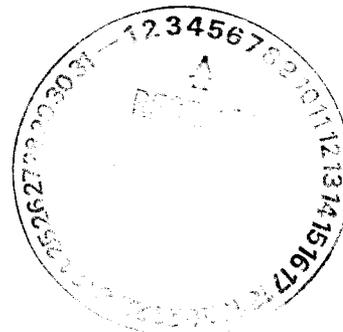


EST. 1943  
 Risk Reduction & Environmental Stewardship (RRES)  
 Remediation Services (RS), MS M992  
 Los Alamos, New Mexico 87545  
 (505) 667-0808/FAX (505) 665-4747

TA 35

Date: August 5, 2004  
 Refer To: ER2004-0432

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



**SUBJECT: 15-DAY SAMPLING NOTIFICATION, SAMPLING AND ANALYSIS ACTIVITIES IN MIDDLE MORTANDAD/TEN SITE AGGREGATE**

Dear Mr. Young:

Starting August 23, 2004, the Los Alamos National Laboratory (LANL) Risk Reduction and Environmental Stewardship–Remediation Services (RRES–RS) project is planning to collect samples from within the Middle Mortandad/Ten Site Aggregate in accordance with the following documents:

- “Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate” (ER2002-0011)
- “Response to Request for Supplemental Information for the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate” (ER2003-0282)
- “Addendum for Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate” (ER2004-0078)



5331

The sampling is summarized in the following table:

Plan/Document	Location	Number of Locations	Sample Type	Analyses and Sample Number
<p>"Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate," (ER2002-0011) and "Response to Request for Supplemental Information for the Sampling and Analysis Plan for the Middle Mortandad/Ten-Site Aggregate" (ER2003-0282)</p>	<p>Mesa-Top boreholes and hand auger holes</p>	<p>12 boreholes and 5 hand auger holes</p>	<p>Subsurface soil/tuff</p>	<p>36 TAL metals, 32 SVOCs, 15 VOCs, 13 pesticides, 13 PCBs, 22 isotopic uranium/isotopic plutonium, 20 gamma spectroscopy, 21 strontium, and 24 tritium</p>
<p>"Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate," (ER2002-0011) and "Response to Request for Supplemental Information for the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate" (ER2003-0282)</p>	<p>Pratt Canyon boreholes and hand auger holes</p>	<p>6 boreholes and 1 hand auger hole</p>	<p>Subsurface soil/tuff</p>	<p>20 TAL metals, 8 SVOCs, 3 VOCs, 6 PCBs, 9 isotopic uranium/isotopic plutonium, 4 gamma spectroscopy, 13 strontium-90, and 3 tritium</p>
<p>"Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate," (ER2002-0011) and "Response to Request for Supplemental Information for the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate" (ER2003-0282)</p>	<p>Pratt Canyon transects</p>	<p>4 transects</p>	<p>Subsurface soil/tuff</p>	<p>25 TAL metals, 25 SVOCs, 23 pesticides, 23 PCBs, 10 isotopic plutonium, 10 gamma spectroscopy, and 23 strontium-90</p>
<p>"Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate," (ER2002-0011) and "Response to Request for Supplemental Information for the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate" (ER2003-0282)</p>	<p>Mortandad Slope auger holes</p>	<p>5 hand auger locations</p>	<p>Subsurface soil/tuff</p>	<p>14 TAL metals, 5 SVOCs, 2 VOCs, and 12 pesticides/PCBs</p>

Plan/Document	Location	Number of Locations	Sample Type	Analyses and Sample Number
<p>"Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate," (ER2002-0011) and "Response to Request for Supplemental Information for the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate" (ER2003-0282)</p>	<p>Mortandad Slope transects</p>	<p>28 transects</p>	<p>Subsurface soil/tuff</p>	<p>56 TAL metals, 56 SVOCs, 34 pesticides, 34 PCBs, 24 isotopic uranium/isotopic plutonium, 24 gamma spectroscopy, and 16 tritium</p>
<p>"Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate," (ER2002-0011) and "Response to Request for Supplemental Information for the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate" (ER2003-0282)</p>	<p>Ten Site Slope boreholes and hand auger holes</p>	<p>7 boreholes and 1 hand auger</p>	<p>Subsurface soil/tuff</p>	<p>22 TAL metals, 18 SVOCs, 1 VOC, 22 pesticides/PCBs, 21 isotopic uranium/isotopic plutonium, 12 gamma spectroscopy, and 3 tritium</p>
<p>"Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate," (ER2002-0011) and "Response to Request for Supplemental Information for the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate" (ER2003-0282)</p>	<p>Ten Site Slope transects</p>	<p>22 transects</p>	<p>Subsurface soil/tuff</p>	<p>47 TAL metals, 9 cyanide, 39 SVOCs, 12 DRO + LRO, 10 VOCs, 14 pesticides, 14 PCBs, 27 isotopic uranium/isotopic plutonium, 25 gamma spectroscopy, and 5 tritium</p>
<p>"Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate," (ER2002-0011) and "Response to Request for Supplemental Information for the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate" (ER2003-0282)</p>	<p>Ten Site Canyon hand auger holes</p>	<p>8 hand auger locations</p>	<p>Subsurface soil/tuff</p>	<p>10 TAL metals, 9 pesticides, 9 PCBs, 2 strontium-90, 10 tritium, and 10 isotopic plutonium</p>

Plan/Document	Location	Number of Locations	Sample Type	Analyses and Sample Number
"Addendum for the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate," (ER2004-0078)	East Ten Site Slope boreholes and hand auger holes	5 boreholes and 14 hand auger locations	Subsurface soil/tuff	27 TAL metals, 43 SVOCs, 13 VOCs, 26 high explosives, 18 isotopic plutonium, 24 isotopic uranium, 19 strontium-90, and 19 tritium
"Addendum for the Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate," (ER2004-0078)	East Ten Site Slope transects	15 transects	Subsurface soil/tuff	30 TAL metals, 30 VOCs, 30 isotopic plutonium, 22 isotopic uranium, 22 strontium-90, 22 tritium, and 22 gamma spectroscopy
Addendum for the "Sampling and Analysis Plan for the Middle Mortandad/Ten Site Aggregate," (ER2004-0078)	Sigma Mesa hand auger holes	7 hand auger locations	Subsurface soil/tuff	14 TAL metals, 6 SVOCs, 4 VOCs, 4 PCBs, 10 isotopic plutonium, 10 isotopic uranium, 10 gamma spectroscopy, and 10 tritium

If you have any questions or concerns please feel free to give me a call at (505) 665-5011.

Sincerely,



Becky Coel-Roback  
RRES-RS Project Leader

BCR/RB/th

Cy:

- A. Dorries, RRES-ECR, MS M992
- B. Coel-Roback, RRES-ECR, MS M992
- D. McInroy, RRES-RS, MS M992
- E. Rainey, RRES-ECR, MS M992
- D. Gregory, DOE/LASO, MS A316
- T. Taylor, LAAO, MS A316
- L. Woodworth, DOE-AL, MS A316
- M. Leavitt, NMED-SWQB
- J. Keiling, NMED-HWB
- J. Schoeppner, NMED-GWQB
- C. Voorhees, NMED-DOE OB

Mr. John Young  
ER2004-0432

5

August 5, 2004

J. Young, NMED-HWB (extra copy)  
S. Yanicak, NMED-DOE OB, MS J993  
RRES-RS File, MS M992  
IM-5, MS A150  
RPF, MS M707