

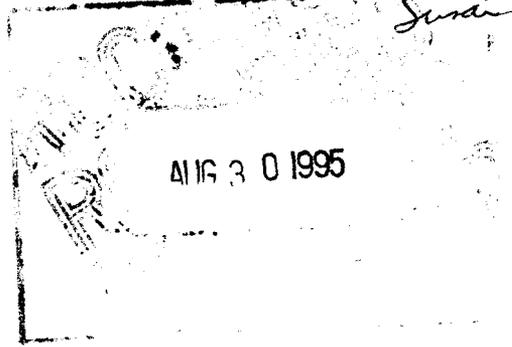
# Los Alamos

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Environmental Restoration Project  
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LAL  
KSWA  
FU 2  
TA 53  
17

Date: August 28, 1995  
Refer to: EM/ER:95-454

Lon K. X  
Barbara  
Toni  
Susan ✓



Ms. Barbara Driscoll  
RCRA Permits Branch  
US Environmental Protection Agency  
Region 6  
1445 Ross Ave., Suite 1200  
Dallas, TX 75202-273

**SUBJECT: NOTIFICATION OF FIELD UNIT 2 SAMPLING AT TECHNICAL AREA (TA) 53**

Dear Barbara:

Field Unit 2 is planning to start sampling at former Operable Unit 1100 on or about September 11, 1995, through November 1995. Sampling will be performed at TA-53 Lagoons.

A total of 240 samples are expected to be collected. Samples will be analyzed for:

- Metals
- Volatile Organics
- Semi-Volatile Organics
- Organochlorine Pesticides and Polychlorinated Biphenyls
- Chlorinated Herbicides
- Cyanide and Sulfide
- TCLP

Samples have previously been taken for radioactivity. Enclosed is a Summary of Analyses and a map for samples to be collected. If you have any questions or concerns, please feel free to give me a call at (505) 667-0819.

Sincerely,

Jorg Jansen  
Environmental Restoration Project

JJ/bp



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Enclosure: (1) Summary of Analyses  
(2) Map

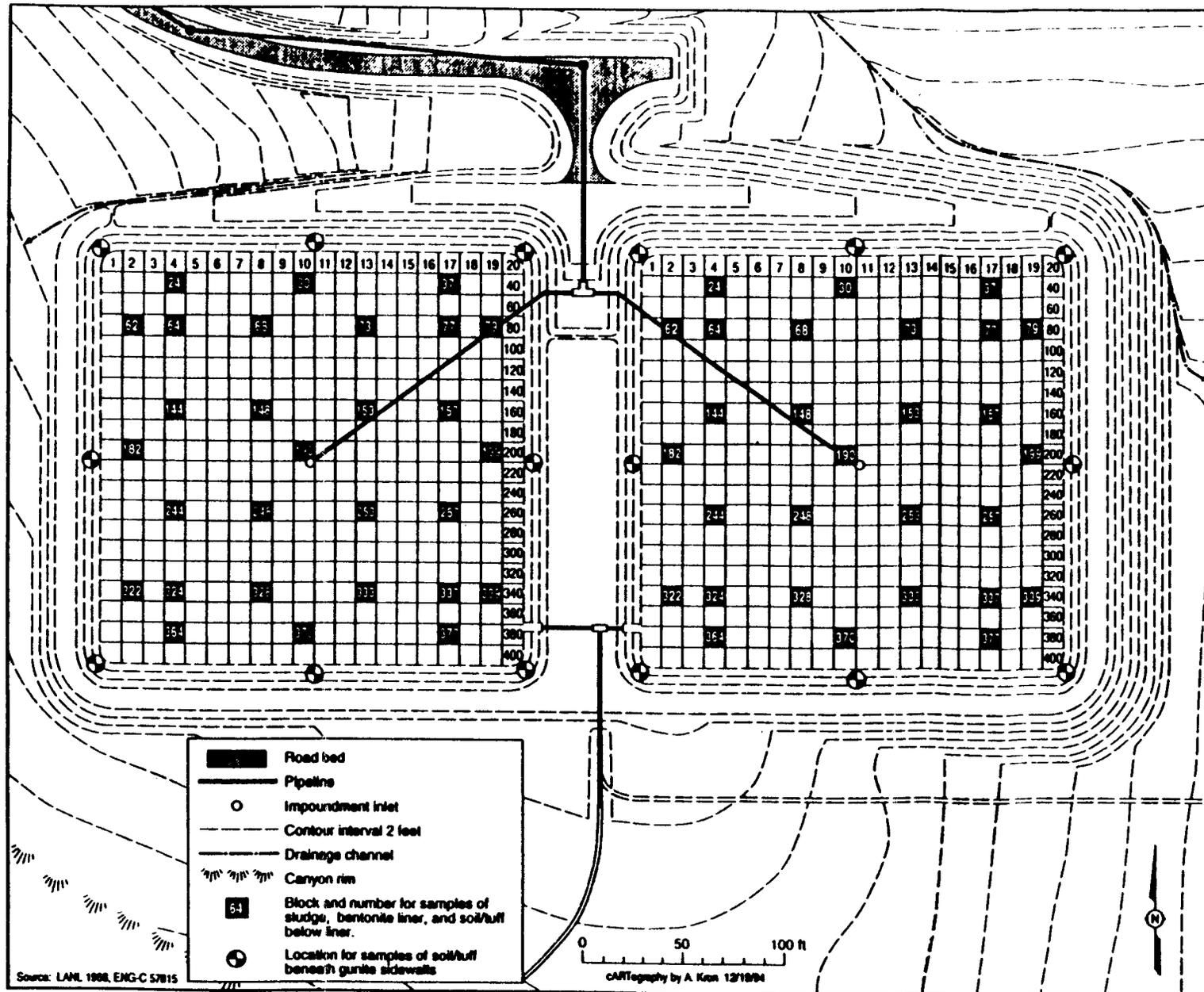
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Table 3-8. Summary of Analyses by Matrix

Analysis	Media					
	Impoundment Water	Impoundment Sludge	Bentonite Liner Soil/Tuff	Impoundment Sludge, Bentonite Liner, Soil, Tuff	Decontamination	
					Liquids	Sludges
Metals		X	X		X	X
Volatile Organics		X	X		X	X
Semivolatile Organics		X	X		X	X
Organochlorine Pesticides and PCBs		X	X		X	X
Chlorinated Herbicides		X	X		X	X
Reactive Cyanide and Sulfide		X				
TCLP				X		X
Gross Alpha Radioactivity <sup>(a)</sup>	X	X	X	X	X	X
Gross Beta Radioactivity <sup>(a)</sup>	X	X	X	X	X	X
Gamma Spectroscopy <sup>(a)</sup>	X	X	X	X	X	X
Isotopic Uranium <sup>(a)</sup>	X	X	(b)	(b)	(b)	(b)
Isotopic Plutonium <sup>(a)</sup>	X	X	(b)	(b)	(b)	(b)
Strontium-90 <sup>(a)</sup>	X	X	(b)	(b)	(b)	(b)
Tritium <sup>(a)</sup>	X	X	(b)	X	X	X

Note:

- (a) Radiological analyses are not being performed to support demonstration that the HWMR closure performance standard has been met. These data are being collected for health and safety planning and to support decisions regarding radiological contamination at this site that will be made as part of Environmental Restoration Project activities.
- (b) Radiological analyses in addition to gross analyses will be identified based on the results of the radiological characterization of the sludge and water.



**Figure 3-3. Locations of Sludge, Liner, and Soil/Tuff Samples Inside North Impoundments**