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ENVIRONMENTAL RESTORATION

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Ms. Barbara Driscoll
NM/Federal Facilities Section
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Region 6
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Date: FEB 28 1995
Refer to: EM/ER:95-J045

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ERADITION

Dear Barbara:

**SUBJECT: MODIFICATION TO THE RESOURCE CONSERVATION
AND RECOVERY ACT FACILITY INVESTIGATION (RFI)
WORK PLAN FOR OPERABLE UNIT (OU) 1147**

We recommend a modification of the drilling plan outlined in the RFI Work Plan for OU 1147 for Material Disposal Area C (Section 5.2.2, pages 5-43 to 5-49). Experienced drilling engineers feel that the long, shallow-angle coreholes proposed in that work plan are likely to give poor core recovery.

We have developed an alternate drilling plan which we presented to you in our meeting on December 14, 1994. Our proposal reduces the length of the shallow-angle air core holes while sampling the areas that were proposed to be sampled in the original drilling plan.

The four very long air core holes have been replaced by two strategically placed shallow-angle air core holes that are approximately 500 feet long. Additionally, five 45-degree angle auger holes (cored) will sample Pits Numbers 1 through 6 and the chemical pit. All core will be collected and logged according to LANL-ER-SOP-12.01 and will be archived at the Environmental Restoration Project Sample Management Facility. Sampling frequency and analyte suites will remain as detailed in the work plan.

In particular, we recommend the following in place of the drilling plan given in the RFI Work Plan for OU 1147 (also indicated on the enclosed drawing):

1. Two shallow-angle air core holes east, traversing Pits No. 1 - 5 from north to south at approximately 1/3 and 2/3 of the distance across the pits from east to west. The length of these holes is about 500 feet. If the full length is not attainable with satisfactory core recovery, two additional angle auger holes will be added from north to south starting at the south fence line. Their length would be about 120 feet.



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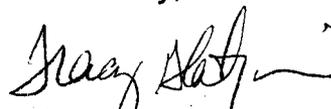
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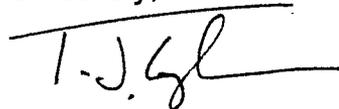
2. Two angle auger holes (about 120 ft long) directed under Chemical Pit and Pit No. 6, from south to north (designated AAH-1 and AAH-2, respectively).
3. One angle auger hole (about 120 ft long) at the west end of Pit No. 4 (AAH-3), west of the shafts from west to east. One angle auger hole (about 120 ft long) at the west end of Pit No. 1 (AAH-4), west of the shafts from west to east.
4. One angle auger hole (about 120 ft long) at the east end of Pit No. 5 from east to west (AAH-5).
5. All CVH vertical auger holes to be moved closer (within 25 feet) to waste units.

We request your approval of this modification to the work plan. If you have any questions please call Cheryl Rofer at 505-667-2988 or Mike Gilgosch at 505-667-5794.

Sincerely,


Jorg Jansen, Project Manager
Environmental Restoration

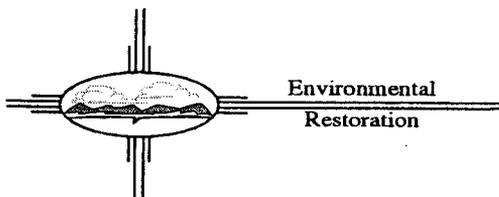
Sincerely,


Theodore J. Taylor, Program Manager
Los Alamos Area Office

JJ/bp

Enc.: (1) Summary of Proposed Drilling at MDA C
(2) Drawing of Proposed Drilling at MDA C

Cy:
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T. Glatzmaier, EES-DO/ER, MS M992
D. McInroy, EM/ER, MS M992
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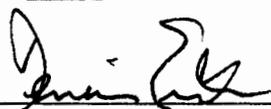
CERTIFICATION

I certify under penalty of law that these documents and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Document Title:

Modification to the Resource Conservation and Recovery Act
Facility Investigation (RFI) Work Plan For Operable Unit (OU)
1147

Name:

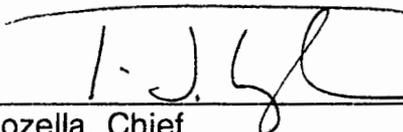


Date:

2/24/95

Dennis Erickson
Division Director
Los Alamos National Laboratory

Name:



Date:

2/28/95

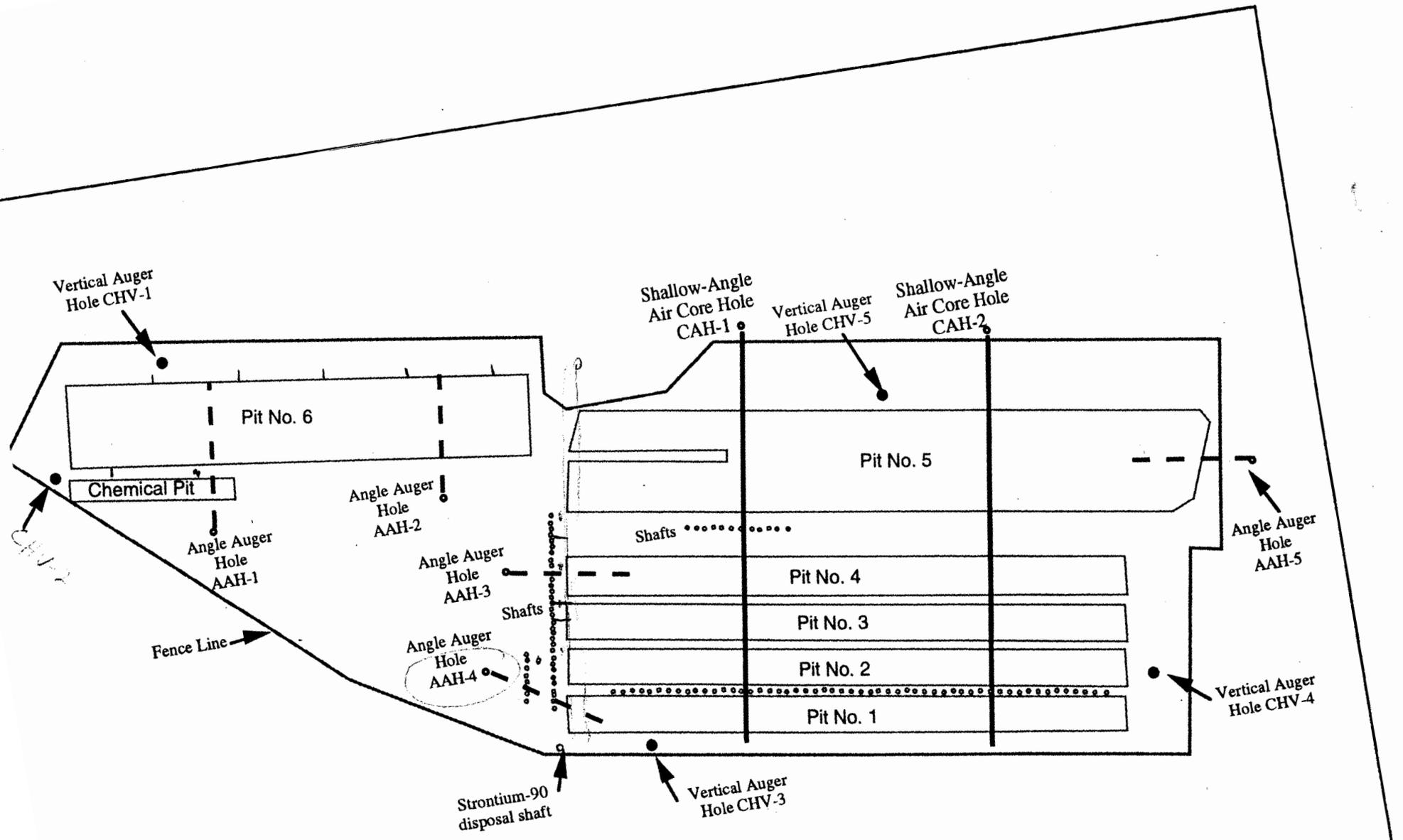
Joseph Vozella, Chief
Environment, Safety, and Health Branch
DOE-Los Alamos Area Office

or

Theodore J. Taylor
Program Manager
Environmental Restoration Program
DOE-Los Alamos Area Office

Summary of Proposed MDA C Drilling

Hole Designation	Length (feet)	Dip Angle (Degrees)	Drilling Method	Hole Size (inches)	Core Size (inches)
CAH-1	500	2.5	Air core	4.5	2.4
CAH-2	500	2.5	Air core	4.5	2.4
CVH-1	80	90	Auger/continuous core	8	2.5/3.5
CVH-2	80	90	Auger/continuous core	8	2.5/3.5
CVH-3	80	90	Auger/continuous core	8	2.5/3.5
CVH-4	80	90	Auger/continuous core	8	2.5/3.5
CVH-5	80	90	Auger/continuous core	8	2.5/3.5
CVH-6	80	90	Auger/continuous core	8	2.5/3.5
AAH-1	120-150	45	Auger/continuous core	8	2.5/3.5
AAH-2	120-150	45	Auger/continuous core	8	2.5/3.5
AAH-3	120-150	45	Auger/continuous core	8	2.5/3.5
AAH-4	120-150	45	Auger/continuous core	8	2.5/3.5
AAH-5	120-150	45	Auger/continuous core	8	2.5/3.5



0 50 100 ft