

OFFICE MEMORANDUM

TO : File

THRU : M. Wheeler

FROM : D. Van Etten

SUBJECT : CORE SAMPLES, AREA T ABSORPTION BEDS

SYMBOL : H8-WM-598

DATE: May 19, 1976

1615 TAAJ

These samples are selected portions of cores taken in March 1976 at the Los Alamos Scientific Laboratory, from two Area T disposal site absorption beds (see attached map).

The absorption beds are gravel-filled pits, 20-ft x 140 ft, capped with 1 m of topsoil. Liquid wastes were fed into the pits via a flow pipe during the late 40's and early 50's.

Sampling was performed by vertical drilling through the rock fill in the pits to a point approximately level with the bottom of the pit using a 6-in. hollow-stem auger. Cores were taken using an 18-in. split-spoon coring tube and drive hammer. At the end of each coring, the auger was advanced to the bottom of the core hole before driving the next core. These cores were then cut into 6-in. pieces, from which the samples were taken.

Preliminary analyses were performed at LASL, using a zinc-sulfide scintillation detector, to determine the approximate activity of the samples. Core was taken until several samples were at background levels. These figures are attached.

DVE:kr

Attachments



10078

<u>Hole No. 1</u>	<u>Bed 4</u>
Depth	pCi/g
0- 6"	950
6-12	195
12-18	1100

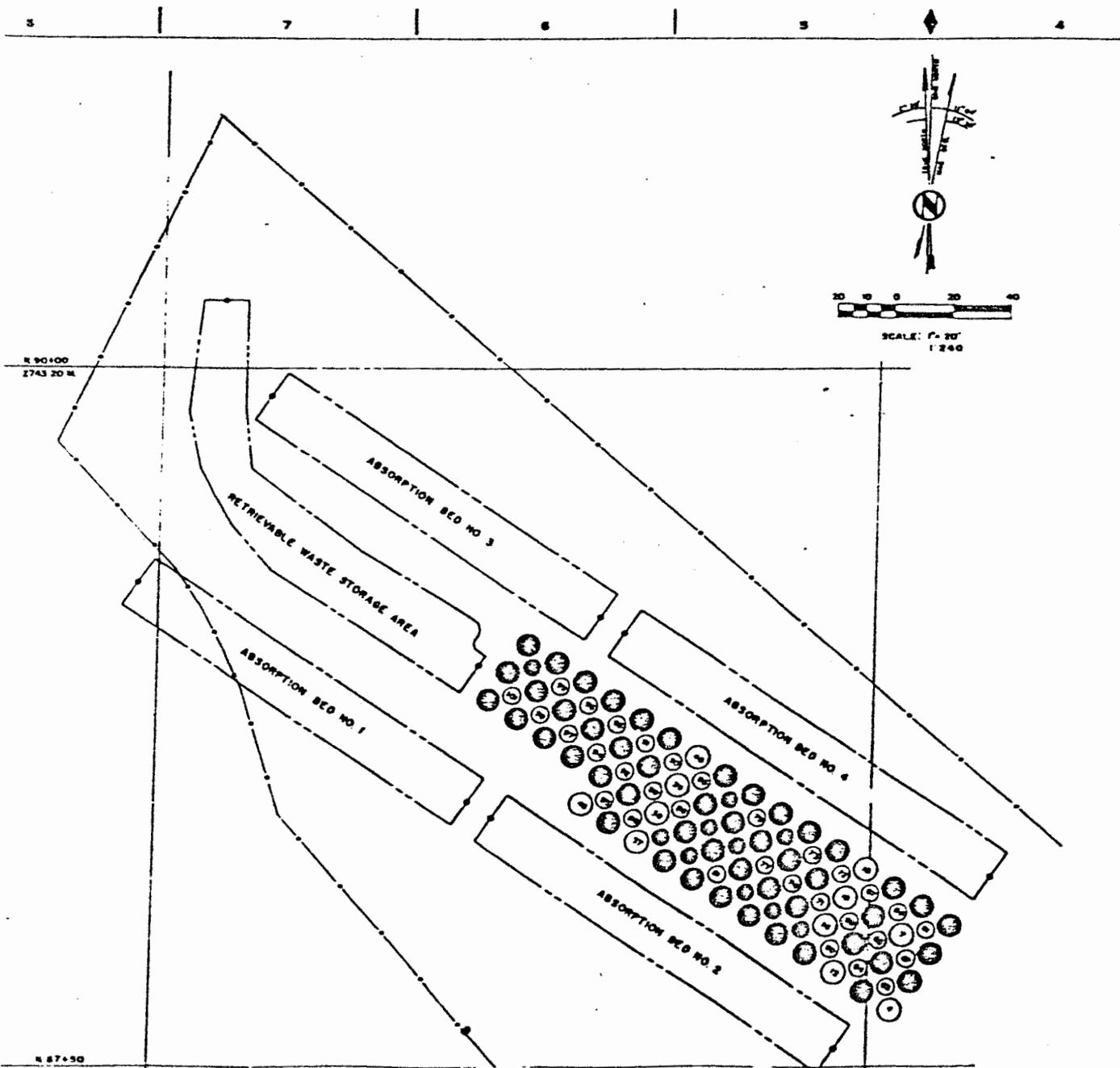
NOTE: Hole was abandoned
because of caving.

<u>Hole No. 2</u>	<u>Bed 3</u>
Depth	pCi/g
0- 6"	2895
6-12	1850
12-30	150
30-36	75
36-42	15
42-48	20
48-54	460
54-66	Background
66-72	40
72-84	Background

<u>Hole No. 3</u>	<u>Bed 4</u>
Depth	pCi/g
0- 6"	185
6-12	105
12-18	60
18-24	45
24-30	5
30-36	50
36-42	65
42-48	30
48-54	15
54-60	30
60-66	570
66-72	25
72-138	Background*

<u>Hole No. 4</u>	<u>Bed 3</u>
Depth	pCi/g (Est)
0- 6"	300
6- 12	170
12- 18	100
18- 24	80
24- 30	60
30- 36	55
36- 42	55
42- 48	45
48- 54	30
54- 60	10
60- 66	Background*
66- 72	230
72- 78	60
78- 84	50
84- 90	70
90- 96	70
96-102	65
102-108	50
108-114	55
114-120	35
120-126	60
126-132	55
132-138	65
138-144	50
144-150	50
150-156	50
156-162	50
162-168	50
168-174	20
174-240	Background

*Less than 10 pCi/g



----- ABSORPTION BED COORDINATES

BED NO. 1
 (N 89+23.4) 2716.78 M
 (E 107+45.04) 4794.49 M
 (N 88+44.04) 2895.67 M
 (E 108+58.43) 4633.94 M

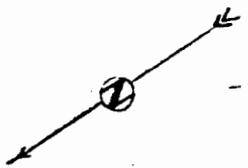
BED NO. 3
 (N 89+09.30) 2759.94 M
 (E 107+07.99) 4919.19 M
 (N 88+10.22) 279.83 M
 (E 108+04.30) 4847.87 M

BED NO. 2
 (N 88+38.42) 2893.96 M
 (E 106+67.73) 4636.46 M
 (N 87+04.38) 2662.94 M
 (E 109+06.48) 4873.28 M

BED NO. 4
 (N 89+04.58) 2714.12 M
 (E 109+12.64) 4890.76 M
 (N 88+16.91) 2667.40 M
 (E 100+41.08) 4899.53 M

RETRIEVABLE WASTE STORAGE AREA

- HOLES ALREADY
- HOLES PROPOSED



Core Sample Holes

Area T Absorption Beds

1 in. = 5 ft

