

OFFICE MEMORANDUM

TO : Dean Meyer, Group Leader, H-1

DATE: October 21, 1971 144

FROM : John Enders, Leader, CMR BLDG. Monitoring Section, H-1

SUBJECT: SOLID RADIOACTIVE WASTE DISPOSAL REPORT FOR THE THIRD QUARTER OF 1971

SYMBOL : H-1-CMR

Disposal activities for the third quarter of 1971 are reported. As some of the data presented is based on estimates, this fact should be kept in mind if any conclusions are to be drawn from the report.

1334 Report
Information for the report was furnished by ENG-4, ENG-5, Supply and Property Dept., Zia Refuse Dept., and LA Notebooks #15953, #11866, and #12442.

High Level Waste:

This material includes waste placed in disposal shafts such as beta-gamma active waste, contaminated oil, and certain types of alpha contaminated waste. Tritium contaminated waste is encased in asphalt when possible prior to disposal into shaft #39.

In September, the Zia Riggers delivered the filter from UHTREX to shaft #35. The filter has cables attached to it so retrieval from the disposal shaft is possible.

Disposal shafts #41, #42, #43, #44, #45, #34, #35, and #39 were used during this quarter.

Low Level Waste:

This type of material was placed in pit #6, Area G, and included two out of town classified, contaminated material shipments.

Exposed waste was covered in August by the Zia Roads Section. C

Compliance with 0511-21:

Five new pits were excavated in Area G in order to "store" materials in a segregated manner, according to their radioactive contamination. Pit #8 is now in use for receiving 55 gallon sludge drums from TA-50. Pit #12 is being used to "store" crates and drums of plutonium contaminated material that is estimated to exceed 10 nanocuries per gram. Pit #16 is used for crates and drums containing uranium contaminated material. Pit #17 will be used for low-level waste delivered in Dempster Dumpsters while pit #21 is to be used for low level uranium contaminated material delivered by Dempster Dumpster. The unfilled portion of pit #25 is being used to store ²³⁸Pu contaminated waste packaged in crates and drums. Another area of pit #5 is used to "store" D-38 chips and turnings from the Shops Dept. and Sigma Bldg.



TO: Dean Meyer, Group Leader, H-1 2

DATE: October 21, 1971

Compliance with 0511-21 Cont.:

Additional perimeter fencing was installed to surround the area where the new pits are located. Re-location of the Area G access gate was made, also, to a point on the Access Road about one tenth of a mile west of its former location.

The proposed method to be used for placement of material in the new pits is to stack the crates and drums in a safe manner until the pit has been filled. It may be necessary to utilize cribbing portions in order to do this.

<u>Volume:</u>	<u>Total Yd.³</u>
1. Small plastic bags (1,571 x 0.037 yd. ³)	60
2. Large plastic bags (845 x 0.46 yd. ³)	389
3. Boxes (5,891 x 0.087 yd. ³)	513
4. Drums ((199 x 0.3 yd. ³)	60
5. Misc. scrap (estimated)	<u>400</u>
TOTAL:	1,422

<u>Costs:</u>	<u>Total</u>
1. Small plastic bags (1,571 x 8¢ ea.)	\$ 126
2. Large plastic bags (845 x 24¢ ea.)	203
3. Boxes (5,891 x 20¢ ea.)	1,178
4. Drums (199 x \$8.60)	1,711
5. Masking tape (500 rolls @ \$1.00/roll)	500
6. Zia Janitor charge	7,850
7. H-1 vehicles	240
8. H-1 radios	166
9. Health Physics Surveyor	2,625
10. Protective clothing	50
11. Road & Ruin Exca. (Bal of 9/30/71 = \$3,528)	135
12. Zia Laborers (estimated)	864
13. Zia Riggers (estimated)	320
14. Cover exposed trash (estimated)	1,500

TO: Dean Meyer, Group Leader, H-1 3

DATE: October 21, 1971

<u>Costs Cont.:</u>	<u>Total</u>
15. Transport Dempsters (2,900 mi @ #1.297 per mile)	3,761
16. Exca. Pit #16 (Bal as of 9/30/71 = \$0.00)	2,162
17. Fencing (Bal as of 9/30/71 - \$7,168)	<u>218</u>
QUARTER TOTAL	\$23,609

Cost per cubic yard, this quarter, = \$17.00

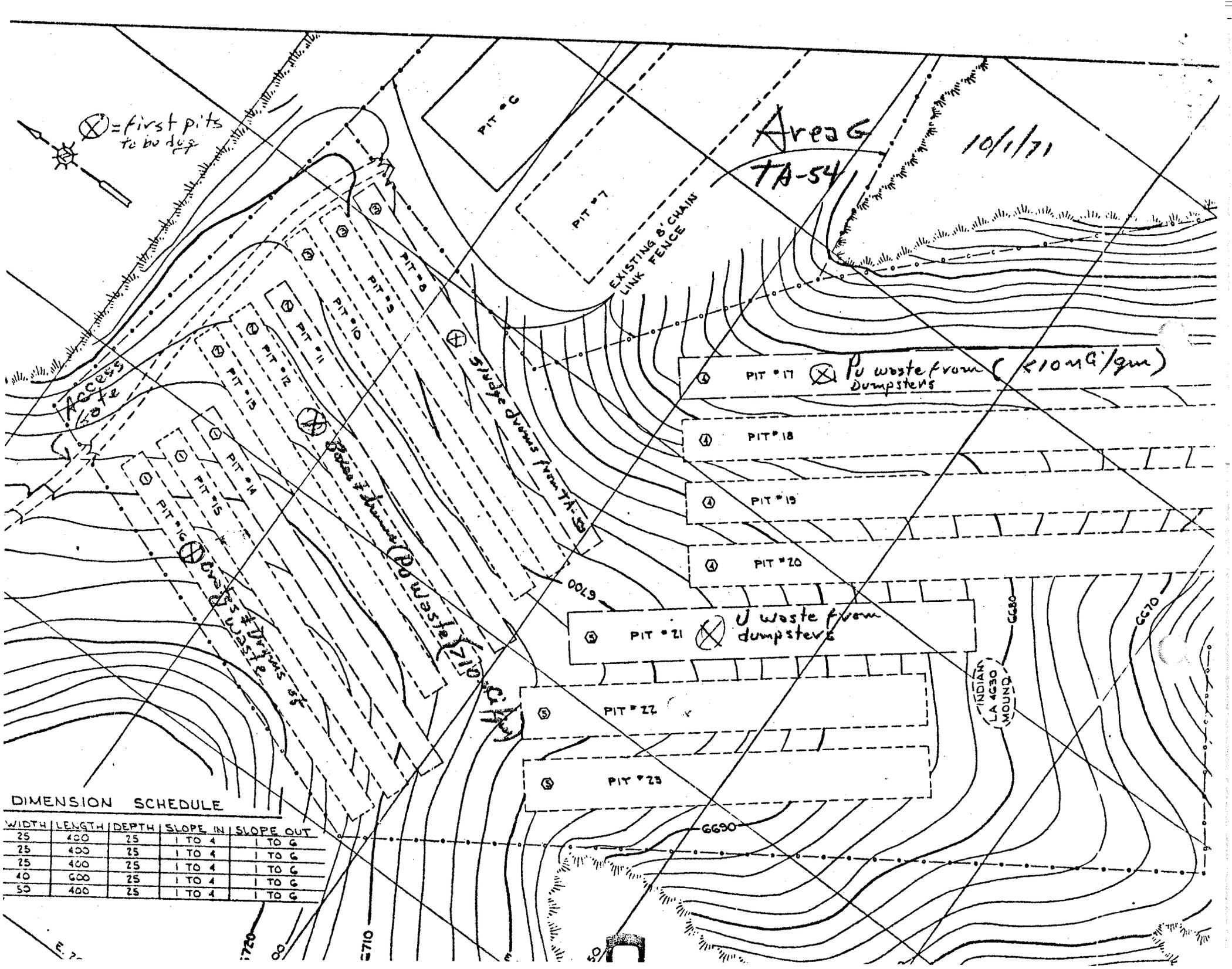

John Enders

JE/skv

xc: File

⊗ = first pits to be dug

Area G
TA-54
10/1/71



ACCESS GATE

EXISTING 8' CHAIN LINK FENCE

Silt dunes from TA-54

Silt dunes from TA-54

PIT #17 ⊗ Pu waste from ($K10MG/gm$) dumpsters

PIT #18

PIT #19

PIT #20

PIT #21 ⊗ U waste from dumpsters

PIT #22

PIT #23

INDIAN MOUND
LA AGE

DIMENSION SCHEDULE

WIDTH	LENGTH	DEPTH	SLOPE IN	SLOPE OUT
25	400	25	1 TO 4	1 TO 6
25	400	25	1 TO 4	1 TO 6
25	400	25	1 TO 4	1 TO 6
40	600	25	1 TO 4	1 TO 6
50	400	25	1 TO 4	1 TO 6

1720

6710

6690

6680

6670

E 2