

8/3/61

To: Dean Meyer, Group leader, H-1
From: John Enders, H-1
Subject: Solid Radioactive Waste Disposal for the second quarter, 1961

1759 Report

Forward:

This report covers the period from April, 1961 to July 1, 1961. The attached data on costs and volume of waste represent in several cases estimates and should any conclusions be drawn from this report this fact should be kept in mind.

A report was turned into the Group office which was prepared for the A.E.C. and covers disposal of solid radioactive waste for the first six months of 1961. As this report gave the estimated volumes in cubic feet, future quarterly and annual reports will also report volumes in cubic feet.

Information for this report was obtained from LA Notebook #9593 and #11363(Dump Run Logbooks), also ENG-4 Group and the Zia Refuse Dept.

Area C

The disposal of gamma active waste into the Disposal Wells continued during this quarter. As of June 30, 1961, Hole #29 was in use. A cost write-off for fencing around Area C continues. For this quarter this amounts to \$97.00. The balance remaining as of June 30, 1961 = \$ 1,745.00.

Area G

Pit #1 in this area was closed up during this quarter and Pit #2 put into use. A cost write-off for pit #2 was started this quarter. It is planned to write off this cost over a two year period as this appears to be the average life of a pit.

In anticipation of future demolition of contaminated buildings in TA-1, it would seem desirable to consider digging pit #3 sometime in the near future.

A work request has been placed with Eng-4 for digging two disposal wells near the future location of Pit #3, Area G. To date this work has not been done. It is not known just why there has been such a delay. These wells would be used for disposal of bulky gamma active waste in order to conserve the space in Area C disposal wells.

Data Explanation:

Most of the cost data is self explanatory. However, the method used to determine Zia costs for disposal of non-routine material is as follows: \$320.00 per day was used to estimate costs when Zia Riggers were involved, and \$70.00 per load was used when the Zia Laborers were involved.

Volume of waste material:

	<u>Total Yd.³</u>
1. Cardboard boxes(7,612 @ 0.087 yd. ³)	662
2. 55 Gal. Drums (408 @ 0.368yd. ³)	150
3. Lg.Pl. Bags (749 @ 0.46 yd. ³)	484
4. Sm.Pl. Bags (1,341 @ 0.037 yd. ³)	50
5. Misc. Scrap (estimated)	664
Total =	<u>2,010</u>

Disposal Costs:

1. Cardboard boxes(7,612 @ 19¢ ea.)	\$1,446.00
2. 55 Gal. Drums (408 @ \$7.20 ea.)	2,937.00
3. Lg. Pl Bags (749 @ 51¢ ea.)	382.00
4. Sm. Pl. Bags (1,341 @ 14¢ ea.)	188.00
5. Masking tape, 2" (400 rolls @ 64¢ ea.)	256.00

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Disposal Costs(continued)

6.	Protective Clothing (estimated)	50.00
7.	Packaging trash(Zia Janitor charge)	7,535.00
8.	H-1 Monitor(300 man/hrs. @ \$8.75/hr.)	2,625.00
9.	Road and Ruin excavation($\frac{1}{4}$ of 1/20 per year; balance as of 6/30/61 = \$8,979.00)	135.00
10.	Excavate Pit #2(Total cost = \$18,059.00; write-off rate of 1/3 per quarter; balance as of 6/30/61 = \$15,802.00)	2,257.00
11.	D-7 Bulldozer rental(\$150 per month)	550.00
12.	Cover exposed trash(final cover to Pit #1)	1,233.00
13.	H-1 Vehicle(#0094 @ \$40.00/month)	120.00
14.	H-1 Vehicle(#0967 @ \$40.00/month)	120.00
15.	Radio Rental(Information from AEC Comm.)	47.00
16.	Trash pickup(routine--Dempster Dumpster)	2,283.00
17.	Non routine trash pickup(Zia Riggers and Laborers)	2,760.00
18.	Fencing, Area G(balance as of 6/30/61=\$4,026)	151.00
	Total Cost=	<u>\$24,975.00</u>

Cost per cubic yard for second quarter, 1961, = \$12.00