

11/21/61

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

Introduction:

This report covers the period from July 1, 1961 to September 30, 1961.

Certain cost and volume data are estimates only and should be considered as such if any conclusions are to be made from this report.

Information on cost data and waste volume data was obtained from IA Notebook #11363 (Dump Run Logbook), Eng-4, Zia Refuse Dept., Supply and Property Dept.

Area "C"

A cost write-off on the fencing around this area continues this quarter of \$97.00. The balance remaining as of 9/30/61 is \$1,648.00.

Other expenses in this Area are as follows:

- |   |          |
|---|----------|
| 1. Active Disposal Well Covers (estimated cost) | \$155.00 |
| 2. Fence posts (estimated cost)                 | 100.00   |
| 3. Backfill used Disposal Wells with dirt       | 58.00    |
| 4. One cubic yard of Ready-mix concrete         | 13.00    |

Area "G"

The exposed waste material in pit #2 was covered twice this quarter. Since the cost of covering exposed material includes heavy equipment charges one expense item was omitted this quarter--the bulldozer rental charge. The old D-7 Caterpillar tractor which has been used for this work is now in a "semi-retired state" as it is broken down and it seems that repair work would be impractical.

Classified, contaminated material can now be disposed of in one of the disposal wells in Area H. This will permit conservation of well space in Area C which is being used for gamma active waste disposal.



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Volume of waste material:

	<u>Cubic yards</u>
1. Cardboard boxes( 5,751 X 0.087 yd. <sup>3</sup> )	500
2. 55 gal. Drums ( 311 X 0.368 " )	114
3. Lg. Plastic bags( 455 X 0.46 " )	209
4. Sm. " " ( 1,253 X 0.037 " )	46
5. Misc. Scrap (estimated )	450
Total:	<u>1,319</u>

Disposal Costs:

1. Cardboard boxes(5,751 X 19¢ ea.)	\$1,092.00
2. 55 Gal. Drums (311 X \$7.20)	2,239.00
3. Lg. Pl. Bags (455 X 51¢ ea.)	232.00
4. Sm. Pl. Bags (1,253 X 14¢ ea.)	175.00
5. Masking Tape (400 rolls X 64¢ ea.)	256.00
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 & Ruin excavation( $\frac{1}{4}$ of 1/20/yr.--balance as of 9/30/61= \$8,844.00	135.00
10. Excavate Pit #2(1/8 per qtr.; balance as of 9/30/61 equals \$ 13,545.00), total cost = \$18,059.00.	2,257.00
11. Cover exposed trash(covered twice this quarter)	1,527.00
12. H-1 vehicle(#0094 @ \$40.00/month)	120.00
13. H-1 vehicle(#0967 @ \$40.00/month)	120.00
14. Radio rental (in vehicle #0094)--(\$17.25/mo.)	51.00
15. Trash pickup(Dempster Dumpster--boxes and drums)	1,821.00
16. Non-routine trash pickup(Zia Laborers and Riggers)	1,952.00
17. Fencing, Area G; balance as of 9/30/61 = \$3,875.00	151.00
Total cost:	<u>\$22,338.00</u>

Cost per cubic yard this quarter( $\$22,338.00 \div 1,319 \text{yd.}^3$ ) = \$17.00

cc: Chas Reynolds, Eng-4  
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