

DA
C
G

11/1/60

58

To: Dean D. Meyer, Group Leader, H-1
From: Pascual P. Chavez, H-1
Subject: Disposal of radioactive waste, 3rd. quarter, 1960.

GENERAL:

"AREA" C

1312
Report

The Safety Group is still using a portion of Pit # 6 Area "C" for disposal of hazardous chemicals. The disposal of beta-gamma waste material in the disposal wells in this area continues. These holes are situated between Pits #1 and 3 and total 55 in number. Up to 9/30/60 hole # 12 was full and hole # 13 currently in use. Hole # 5 is being used by N-5 personnel for storing rods they reuse. The waste material that has gone into these disposal wells has originated at various sites as well as routine Ten Site disposals. A cost write off for fencing around Pit # 6 Area "C" continues in order to retire fencing cost.

"AREA" G

Pit # 1.

The fence write off for Area "G" is $\frac{1}{4}$ of 1/10 per year of the original cost, \$6040.00. This amounts to \$151.00 per quarter. The balance as of 10/1/60 is \$4479.00.

Several pickup loads (approximately 70 cu. yds.) of items from Sm-30 have been placed in Pit #1 for burial by SP-2 personnel.

Approximately 230 cu. yds. of non routine pick up of miscellaneous trash was deposited in Pit #1 during this quarter by the Zia laborers. The cost of this operation was \$78.00, a low figure due to the Zia Crafts strike in effect about two months of this quarter.

The Zia roads section began covering exposed trash in Pit #1 on 8/31 and completed operation on 9/6/60. All of the J-2 Building that was exposed from Post #14 to Post #47 on the East side was covered as was the center portion of Layer #6 from Post #14 thru Post #55, and on west side from Post #29 up to ML Building firebox. We are now depositing trash on the 7th layer on both East and West sides. The cost for the covering operation was \$844.00.

Pit # 2.

This pit will, in all probability, start receiving routine trash by the first of 1961. At the present time it has only 14 large metal boxes that were transferred from the D. P. West dump. These boxes occupy about 100 cubic yards of pit space.

The Zia roads and labor sections dug a trench twenty feet long, seven feet deep, and two feet wide in Pit #2 for purpose of burying a highly irradiated core from Omega West reactor. This core was covered immediately. The cost of this operation was \$394.00.



The following is a tabulation of trash volume and disposal costs. Cost figures have been rounded off and both volume and cost figures should be considered estimates only. Data on costs was furnished by Dale Coburn, Eng-4, The Zia Refuse Department and Supply and Property Department, IASL. Volume estimates were taken from IA-Notebook #9593.

VOLUME OF TRASH:

1. Cardboard boxes (4609 @ .087 cuYds ea.)	400
2. 55 gallon drums (259 @ .366 cuyds ea.)	95
3/ Large plastic bags (493 @ .47 cu yds ea)	232
4. Small plastic bags (938 @ .037 cu yds ea.)	35
5. Miscellaneous non routine trash (estimated)	300
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	total 1062

DISPOSAL COSTS:

1. Cardboard boxes (4609 @ \$0.19 ea.)	876.00
2. 55 gallon drums (259 @ \$2.60 ea.)	673.00
3. Large plastic bags (493 @ \$0.51 ea.)	251.00
4. Small plastic bags (938 @ \$0.14 ea.)	131.00
5. 2" masking tape (400 rolls @ \$0.64 ea.)	256.00
6. Protective clothing	50.00
7. Packaging trash (janitorial charge)	7535.00
8. H-1 monitoring charge (200 man hrs @ \$6.00/hr.)	1200.00
9. Road and Ruin excavation (1/4 of 1/20 per year, Balance as of 10/1/60 \$9184.00.	135.00
10. Excavate Pit #1 (1/8 of \$3140.00, Balance as of 10/1/60 \$782.00.	393.00
11. D-7 caterpillar bulldozer (\$150.00 per month)	450.00
12. Covered trash Pit #1 (once)	844.00
13. Dug Trench Pit#2 for Omega burial.	394.00
14. H-1 Vehicle (20325) @ \$40.00 per month.	120.00
15. H-1 Vehicle (20967) @ \$40.00 per month.	120.00
16. Boxed trash pick up by Dempster Dumpster.	*550.00
17. 55 gallon drum pick up by Dempster Dumpster.	*235.00
18. Trash pick up by Zia laborers (non-routine)	* 78.00
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Total Cost	\$14,291.00

Cost per cubic yard = $\frac{\$14,291.00}{1062} = \13.00 per cubic yard.

Cost write off for Pit #6 Area "C".

1. Fencing (1/10 per year of total cost = \$97.00 per quarter. Balance as of 10/1/60 = \$2036.00

*Note: According to Mr. Roser, Zia Refuse Department, these three figures were lower this quarter than any other due to the Zia strike which was in effect for almost two months of the quarter.