

ASMC
G

8/2/60

101

To: Dean D. Meyer, Group Leader, H-1
From: Pascual P. Chavez, H-1
Subject: Disposal of radioactive waste, 2nd. Quarter, 1960.

1257
Report

General: Area "C"

Safety Group is still using a portion of Area "C" for disposal of hazardous chemicals. The disposal of beta-gamma waste material in disposal wells in this area continues. These holes are situated between pits #1 and #3 and total 55 in number. Up to 6/30/60 hole #7 was full and covered with dirt (lone exception: hole #5 used for storage by Group N-5) and hole # 10 is currently in use. The waste material that has gone into these holed 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 the fencing costs.

Pit #1 Area "G"

A chain link type fencing now extends around entire Area "G". The access gate is at the west end of the area. The fence write off is $\frac{1}{4}$ of 1/10 per year of original cost (\$6040.00). This amounts to \$151.00 per quarter. The balance as of 7/1/60 is \$4630.00.

Four 200 gallon tanks from D. P. West were taken by Zia riggers and placed in Pit #1 for temporary storage. These will be utilized at a later date.

Zia roads section covered exposed trash on 4/6 and 4/7/60. The cost of this operation was \$409.00. This figure furnished by Dale Coburn, Eng-4.

The Zia roads section covered barrels on the 4th layer East side and all exposed trash lying on the 5th layer west side on 6/16/60. The cost of this operation was \$175.00. We are now depositing trash on the fifth layer Center portion. A work order to cover this portion of pit ~~was~~ will soon be submitted.

The Zia labor and roads sections recovered 23 boxes of material that had been erroneously buried in Pit #1. This material was classified and came from the Bendix Aviation Corporation. Another disposal of radioactive classified material for this same corporation was made on June 14th. The cost of these operations ~~were~~ absorbed by the Bendix Aviation Corporation and mention in this report is made only as a point of information.

A source pit and contaminated scrap material from the University of New Mexico Chemistry Department was placed in Pit #1 on 6/8/60.

Approximately 350 cubic yards of non routine pickup of miscellaneous trash was deposited in Pit #1 during this quarter. A large percentage of this material was deposited in pit by the Zia laborers. The cost for this operation was \$514.00. This cost figure was supplied by Eng-4.



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

VOLUME OF TRASH:

1. Cardboard boxes (5942 @ .087 yds ³ each)	517
2. 55 gallon drums (424 @ .366 yds ³ . each)	155
3. Large plastic bags (644 @ .47 yds ³ each)	303
4. Small plastic bags (955 @ .037 yds ³ . each)	35
5. Miscellaneous non-routine trash (estimated).	350
	<hr/> 1360

DISPOSAL COSTS:

1. Cardboard boxes (5942 @ 19¢ each)	1129.00
2. 55 gallon drums (424 @ \$2.60 each)	1102.00
3. Large Plastic bags (644 @ .51 each)	328.00
4. Small Plastic bags (955 @ .14 each)	134.00
5. 2" masking tape (400 rolls @ .64 each)	256.00
6. Protective clothing	50.00
7. Packaging trash (janitorial charge)	7535.00
8. H-1 monitoring charge (200 man-hours @ \$6.00/hr)	1200.00
9. Road and Ruin excavation (1/4 of 1/20 per year, Balance as of 7/1/60 = \$9519.00)	135.00
10. Excavate Pit #1 (1/8 of 3.40.00, Balance as of 7/1/60 = \$1175.00)	393.00
11. D-7 Caterpillar Dozer (\$150.00 per month)	450.00
12. Covered trash Pit #1	584.00
13. H-1 vehicle (20325) @ \$40.00 per month.	120.00
14. H-1 Vehicle (20967) @ \$40.00 per month.	120.00
15. Boxed trash pickup by Dempster Dumpster.	1967.00
16. 55 gallon drum pickup by Dempster Dumpster.	647.00
17. Trash pickup by Zia laborers.	514.00
	<hr/> Total Cost = \$16664.00

Cost per cubic yard = $\frac{\$16664.00}{1360}$ = \$12.00 per cu. yd.

Cost write off for Pit #6 Area "C"

1. Fencing (1/10 per year of total cost = \$97.00 per quarter. Balance as of 7/1/60 = \$2133.00)