

4/20/60

100

To: Dean D. Meyer, Group Leader, H-1  
From: Pascual Chavez, H-1  
Subject: Disposal of radio active waste, 1st. Quarter, 1960.

General: Area "C"

Although Pit #5 is quite full and Pit #6 is now filled, a cost write-off will continue in order to retire fencing costs and other charges that may occur in this area. Safety Group is still using the "unused" portion of Area "C" for disposal of hazardous chemicals.

Gamma waste disposals to wells in Area "C" continues. These holes are situated between Pits #1 and #3 and total 55 in number. Up to 3/31/60 four holes are full and covered with dirt and hole number 5 is currently in use. The waste material that has gone in these holes have been collected from Omega Site and DP West as well as routine Ten Site disposals.

The cost, \$337.00, for 15 holes of the total amount(55) was carried over to this quarter.

The Zia roads section covered 557 drum of TU chips from TU shops in Pit #5 Area C. The job required three days to completion time using a D-8 bulldozer. The cost for this operation was \$235.00. This figure supplied by Mr. Harrison, Labor Section. As mentioned above a write off figure of \$97.00 for Pit 6 fencing was made.

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. Due to the deactivation of the guard station below the CM Bldg. a chain, key and padlock were acquired and the gate across the Mesita del Buey access road was locked by H-1 on 3/11/60.

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 4/1/60 \* is \$4781.00

Zia roads section covered exposed trash in Pit #1 on 1-20-60. Due to difficulties with D-7 cat the job was not completed until 1-25-60. Cost figure for this operation, \$443.00, supplied by Dale Coburn, Eng-4. Zia roads section started to cover this area for the second time this quarter on 3/7/60 and completed job on 3/9/60. Cost figure for this operation was \$395.00.

Zia Refuse department keeps a log of the mileage for the pick up of boxed trash and for 55 gallon drums from the waste treatment plants at TA-45 and Bldg. 35 at DP West. The cost figures in this report for the above stated items are compiled from figures obtained from H. Roser of the Zia Refuse department.

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The following is a tabulation of trash volumes and disposal costs. Cost figures have been rounded off and both volume and cost figures should be considered as 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 LA Notebook #9593.

VOLUME OF TRASH:

1. Cardboard boxes (7109 @ .087 yds <sup>3</sup> . each)	619
2. 55 Gal. Drums (331 @ .366 yds <sup>3</sup> . each)	121
3. Large Plastic bags (815 @ .47 yds <sup>3</sup> . each)	383
4. Small Plastic bags (1086 @ .037 yds <sup>3</sup> . each)	40
5. Miscellaneous -non routine pickup trash. (estimated)	450
Total cubic Yds.	<u>1613</u>

DISPOSAL COSTS:

1. Cardboard boxes (7109 @ 19¢ ea.)	\$1350.00
2. 55 gallon drums (331 @ \$2.60 each)	860.00
3. Large plastic bags (815 @ 51¢ each)	415.00
4. Small plastic bags (1086 @ 14¢ each)	152.00
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 monitor (200 man hours @ \$6.00/hr)	1200.00
9. Road and ruin excavation ( $\frac{1}{4}$ of 1/29 per year, balance as of 4/1/60 = \$9654.00)	135.00
10. Excavate Pit# 1 (1/8 of \$3140.00, Balance as of 4/1/60 = \$1568.00)	393.00
11. D-7 Caterpillar Dozer(\$150.00 Permonth)	450.00
12. Trash covering Pit # 1 (twice)	838.00
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 pick up by Dempster Dumpster,	2273.00
16. 55 gallon drum pick up by Dempster Dumpster.	733.00
17. Trash pick up by Zia laborers.	370.00
Total Cost:	<u>\$17250.00</u>

Cost per cubic yard =  $\frac{\$17250}{1613} = \$11.00/\text{cubic yard.}$

Cost write off for Pit # 6 Area "C"

1. Fencing ( 1/10 per year = \$97.00 per quarter)  
Balance as of 4/1/60 = \$2230.00.