

OFFICE MEMORANDUM

TO : Dean Meyer, Group Leader, H-1

DATE: 7/11/67 118

FROM : John Enders, H-1

SUBJECT: SOLID RADIOACTIVE WASTE DISPOSAL REPORT FOR THE SECOND QUARTER OF 1967

SYMBOL :

1770 Report
This report describes solid radioactive waste disposal activities during the second quarter of 1967. Data for the report has been furnished by The Zia Company, Supply and Property Dept., Eng-4 and IA Notebooks #6905 and 12442.

As some of the data is based on estimates, this fact should be kept in mind if any conclusions are to be drawn from this report.

Beta-Gamma waste disposal:

Disposal shafts in Area G continue to be used for this type of waste. During this quarter one delivery was made which consisted of plutonium contaminated sodium loops from 10 Site. These were placed in disposal shafts covered with sand and then capped with cement. Three shafts were filled this quarter with material and will be capped with cement in the near future.

It has been suggested that H-1 acquire a cement mixer and use Ready-Mix cement in order to provide a means to seal material in disposal shafts right after it has been delivered. Also, the equipment would be used to seal and cap disposal shafts after they had been filled to capacity with waste material. H-7 has a mixer which they will transfer to H-1 and it has been determined that the MG set, now located at Area G, is capable of providing power for the mixer motor. It is hoped the equipment will be put into service during the next quarter.



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Low level waste disposal:

Exposed trash in pit #4, Area G, was covered at the first of this quarter. This completed the third layer in this pit. At the close of the quarter enough material had been delivered to Pit #4 to require a covering operation. After this next covering there will be very little usable space left in this pit so that a final cover will probably be required during the third quarter. Pit #5 has been receiving material during this quarter in its center section. This section has now been filled and a request has been made to cover this at the time Pit #4 is covered.

Waste Volume:

	<u>Yd.³</u>
1. Small plastic bags(1,914 X 0.037 yd. ³)	71
2. Large plastic bags(825 X 0.46 yd. ³)	380
3. Boxes (7,516 X 0.087 yd. ³)	654
4. 55 gal. Drums(630 X 0.3 yd. ³)	189
5. Misc. Scrap(estimated)	<u>557</u>
Total=	1,851

Disposal Costs:

	<u>Total</u>
1. Small plastic bags(1,914 X 8¢)	\$ 153
2. Large plastic bags(825 X 25¢)	206
3. Cardboard boxes(7,516 X 19¢)	1,428
4. 55 gal. drums(630 X \$8.60)	5,418

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<u>Disposal Costs:(continued from page two)</u>	<u>Total</u>
5. Masking tape(500 rolls X 72¢)	\$ 360
6. Zia Janitor charge	7,850
7. H-1 Vehicles	240
8. H-1 radios	166
9. Protective clothing	50
10. Fencing(Bal. as of 7/1/67=\$302)	151
11. Rd. & Ruin Excav.(Bal. as of 7/1/67=\$5,733)	135
12. Excav. Pit #4(Bal. as of 7/1/67=\$1,000)	1,875
13. Health Physics Surveyor	2,625
14. Zia Laborers	1,312
15. Zia Riggers	1,280
16. Cover exposed trash	566
17. Transport Dempster Dumpsters	3,923
18. Excav. Pit #5(Bal. as of 7/1/67= \$8,537)	<u>1,423</u>
	Total:\$ 29,111

Cost per cubic yard, this quarter= \$16.00

cc: File