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G

OFFICE MEMORANDUM

TO : , Dean Meyer, Group Leader, H-1

DATE: 10/12/67

103

FROM : John Enders, H-1

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

SYMBOL :

1771 Report

Solid radioactive waste disposal activities for the third quarter of 1967 are described. Data for this report has been furnished by The Zia Company, Eng-4, SP Dept. and LA Notebooks #6905 and 12442 and 14995.

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

Beta-Gamma Waste Disposal:

Equipment for use in sealing disposal shafts was acquired during this quarter and the first test of this type of operation was made. A cement mixer was acquired from H-7 and MG sets (for electrical power) were used. One MG was loaned by H-1 Decontamination Lab and the other is one which has been stored at Area G. A total of 7 shafts were plugged with Ready-Mix cement(2 in Area G and 5 in Area C). 46 bags of cement were used and a total of 18 man-hours were needed to do the job. Tabulation of incurred costs are as follows:

1. Cement Mixer (transferred from H-7)	no charge
2. Wheelborrow	\$34.67
3. Cement(46 sacks @ \$1.30/sack)	\$59.80
4. Hand tools(estimated)	\$ 10.00
5. MG Set	no charge
6. 18 man-hours labor(18 X \$10/hr.)	\$180.00
Total=	<u>\$284.47</u>



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Beta-Gamma Disposal: (continued)

Standard Operating Procedures have been prepared and approved for the disposal of tritium contaminated waste material from CMF-4 Group and H-1. It is planned to dispose of the material during the fourth quarter.

Low-Level Solid Waste Disposal:

Exposed trash in pits #4 and 5 was covered during this quarter. A small amount of usable space remains in pit #4 as of the end of the quarter and the pit will be filled during the fourth quarter.

Waste Volume:

	<u>Yd.³</u>
1. Sm. plastic bags(3,003 X 0.037 yd. ³)	111
2. Lg. plastic bags(1,126 X 0.46 yd. ³)	518
3. Boxes(6,466 X 0.087 yd. ³)	563
4. Drums(588 X 0.3 yd. ³)	176
5. Misc. scrap (estimated)	<u>481</u>
Total=	1,849

Disposal Costs:

1. Sm. plastic bags(3,003 X 8¢)	\$ 240
2. Lg. plastic bags(1,126 X 25¢)	281
3. Boxes(6,466 X 19¢)	1,228
4. 55 gal. drums(588 X \$8.60)	5,057
5. Masking tape(500 rolls X 72¢/roll)	360
6. Zia Janitor charge	7,850
7. H-1 Vehicles	240
8. H-1 Radios	166

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Disposal Costs:(continued)

9. Protective clothing	\$ 50
10. Fencing(bal. as of 9/30/67=\$151)	151
11. Rd. & Ruin Excav.(bal. as of 9/30=\$5,588)	135
12. Excav. Pit #4(bal. as of 9/30=\$0.00)	1,000
13. Excav. pit #5(bal. as of 9/30=\$7,114)	1,423
14. Health Physics Surveyor	2,625
15. Zia Laborers (estimate)	768
16. Zia Riggers (estimate)	1,440
17. Cover exposed trash	1,316
18. Transport Dempster Dumpsters	<u>2,306</u>
Total=	\$26,636

Cost per cubic yard this quarter = \$14.00

cc: File