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OFFICE MEMORANDUM

TO : Dean Meyer, Group Leader, H-1

DATE: 10/18/68

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FROM : John Enders, H-1

SUBJECT: Solid Radioactive Waste Disposal Report for the third quarter of 1968

SYMBOL :

1775 Report

Solid radioactive waste disposal activities for the third quarter of 1968 are reported. Some of the data used in the report are based on estimates and this fact should be kept in mind if any conclusions are to be drawn from the report.

Information for the report was furnished by The Zia Company, SP Dept., Eng-4 and LA Notebooks #14995 and 12442.

Beta-Gamma Disposal: Areas C and G

The Zia Company drilled ten new disposal shafts in Area G during this quarter. Disposal shafts #3,4 and 7 are now full and will be capped with cement during the next quarter.

Low Level Waste: Area G

Exposed waste in pit #5 was covered twice during the quarter. The first job was a partial covering due to delivery of several drums of oil and the second, a complete covering, was made just before the arrival on an out-of-town shipment. The shipment from Bendix arrived on 9/26 and was off-loaded and buried on this date. Both trucks used to haul the material had to be sent to H-1 Decontamination for cleaning before being released.

Members of Groups H-1, 3 and 7 participated in a panel discussion during a CMB-14 Safety meeting and discussed the disposal of hazardous materials at LASL.



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H-7 is now disposing of liquid waste from TA-21 by means of mixing the material with cement and pouring the mixture into 8' diameter, 60' deep shafts located in the old french drain area at D.P. West Site. This procedure has considerably reduced the disposal costs by elimination of transportation costs for sludge drums and the cost of the drums. It is estimated the reduction in disposal costs will amount to about \$1,000 per month.

<u>Waste Volume:</u>	<u>Total(Yd.³)</u>
1. Small plastic bags(1,852 X 0.037 yd. ³)	69
2. Large plastic bags(740 X 0.46 yd. ³)	340
3. Cardboard boxes(6,844 X 0.087 yd. ³)	595
4. 55 gal. drums(372 X 0.3 yd. ³)	112
5. Misc. Scrap(estimated)	<u>451</u>
Total=	1,567 yd. ³

<u>Disposal Costs:</u>	<u>Total</u>
1. Sm. Pl. Bags(1,852 X 8¢)	\$ 148
2. Lg. Pl. Bags(740 X 25¢)	185
3. Cardboard Boxes(6,844 X 19¢)	1,300
4. 55 Gal. Drums(372 X \$8.60)	3,199
5. 2" Masking Tape(500 rolls @ 70¢ ea.)	350
6. Zia Janitor Charge	7,850
7. H-1 Vehicles	240

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Disposal Costs:(continued from page two)

8.	H-1 Radios	\$ 166
9.	Protective clothing	50
10.	Rd. & Ruin excav.(Bal.=\$5,048 as of 9/30/68)	135
11.	Excav. pit #5(Bal.=\$1,422 as of 9/30/68)	1,423
12.	Health Physics Surveyor	2,625
13.	Zia Laborers(estimate)	800
14.	Zia Riggers(estimate)	640
15.	Drill 10 disposal shafts	685
16.	Cover exposed trash(estimated)	1,000
17.	Transport Dempster Dumpsters	<u>3,496</u>
	Total=	\$ 24,292

Disposal cost per cubic yard this quarter= \$ 15

cc: File