

OFFICE MEMORANDUM

TO : Dean Meyer, Group Leader, H-1

DATE: July 16, 1971

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FROM : John Enders, Leader, CMR BLDG. Monitoring Section, H-1

SUBJECT: SOLID RADIOACTIVE WASTE DISPOSAL REPORT FOR THE SECOND QUARTER OF 1971

SYMBOL : H-1-CMR

This report describes solid radioactive waste disposal activities for the second quarter of 1971. As some of the data presented is based on estimates, this fact should be kept in mind if any conclusions are to be drawn from the report.

Information for the report has been furnished by Supply and Property Dept., ENG-4, The Zia Company, and LA Notebooks #15953 and #12442.

Beta-Gamma Waste:

Seven disposal shafts were used during the quarter for disposal. 11 shafts were plugged with Ready-Mix cement on 5/7. Several items, contaminated with tritium, were encased in asphalt by H-7 prior to disposal into shaft #39.

Low Level Waste:

Routine deliveries were made to pit #6 and, in addition, an out-of-town, classified delivery was made on 4/15.

The Zia Company completed excavation of 5 new disposal pits at Area G. The perimeter fencing has not yet been installed. It is planned to use their five pits in order to segregate transuranium waste from other material.

Investigation into availability, costs, etc., of equipment that could be used to handle 55 gal. drums and crates has been started. It is planned to attempt stacking material, where possible, in the new pits.

Waste Volume:

		Total (yd. ³)
1. Small plastic bags	(1,972 x 0.037 yd. ³)	73
2. Large plastic bags	(842 x 0.46 yd. ³)	387
3. Cardboard boxes	(5,458 x 0.087 yd. ³)	475
4. 55 gal. drums	(208 x 0.3 yd. ³)	62
5. Misc. scrap	(estimated)	644
	TOTAL	<hr/> 1,641



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<u>Disposal Costs:</u>	<u>Total (yd.³)</u>
1. Small plastic bags (1,972 x \$0.08)	158
2. Large plastic bags (842 x \$0.24)	202
3. Cardboard boxes (5,458 x \$0.20)	1,092
4. 55 gal. drums (208 x \$8.60)	1,789
5. Masking tape (500 rolls @ \$1.00/roll)	500
6. Zia Janitor Charge	7,850
7. H-1 Vehicles	240
8. H-1 Radios	166
9. Health Physics Surveyor	2,625
10. Protective clothing	50
11. Road & Ruin Excav. (Bal. as of 7/1/71 = \$3,663)	135
12. Zia Laborers (estimated)	1,000
13. Zia Riggers (estimated)	800
14. Cover exposed trash (estimated)	450
15. Transport Dempster Dumpsters (3,154 miles @ \$1.10/mi)	3,469
16. Excav. pit #6 (Bal. as of 7/1/71 = \$2,162)	2,164
17. Fencing (Bal. as of 7/1/71 = \$7,386)	218
18. Ready Mix Cement (11 yd. ³ @ \$19/yd. ³ plus transporation)	<u>250</u>
TOTAL	\$23,248

Cost per cubic yard: \$14


John Enders

JE/skv

xc: File

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