

OFFICE MEMORANDUM

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

DATE: October 17, 1969 123

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

SUBJECT: SOLID RADIOACTIVE WASTE DISPOSAL REPORT FOR THE THIRD  
QUARTER OF 1969.

SYMBOL : H-1-CM

0281  
Report

This report describes disposal activities for the third quarter of 1969. The fact that some of the data is based on estimates should be borne in mind if any conclusions are drawn from the report. Information for the report was supplied by SP Dept., ENG-4, The Zia Co and LA Notebooks #15953 and #12442.

Beta-Gamma Waste:

One disposal shaft was filled this quarter. Disposal operations were carried out without incident. One disposal operation, involving some tritium contaminated waste, has not been completed as H-7 Group is to furnish molten asphalt as the sealant for the material. 100 sacks of Ready-Mix was delivered in September for sealing filled disposal shafts.

Low Level Waste:

Routine disposals were made in Pit #5. Exposed trash was covered at the start of the quarter. Work was started on digging Pit #6 in July and as of the end of the quarter the work was almost completed. ENG-3 located the site for a six foot diameter disposal shaft (requested during the second quarter) in Area G. As of the end of the third quarter, the shaft had not been drilled. It is planned to use the shaft for disposal of contaminated oil. There are about 10 55 gal. drums full of oil at Area G awaiting disposal in this shaft.

A memo, requesting a work order to have about 30 drums filled with D-38 chips and turnings, from SM-102, covered with dirt, was sent in on August 26th. As of the end of the quarter, the drums were still at SM-102. The covering was requested because this material is potentially pyrophoric.

Discussions have been held with the Zia Tech. Janitorial Dept and H-1 Area representatives at several Sites in order to find out how improvements could be made in the use of Dempster Dumpsters for transporting solid



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radioactive waste.

It has been decided to retain space in Pit #5, Area G for locating drums filled with D-38 chips from SM-102. Skip-type Dempster Dumpster containers will be used to haul these drums to Pit #5. By locating these drums in Pit #5, it may not be necessary to cover them each time they are delivered to the pit.

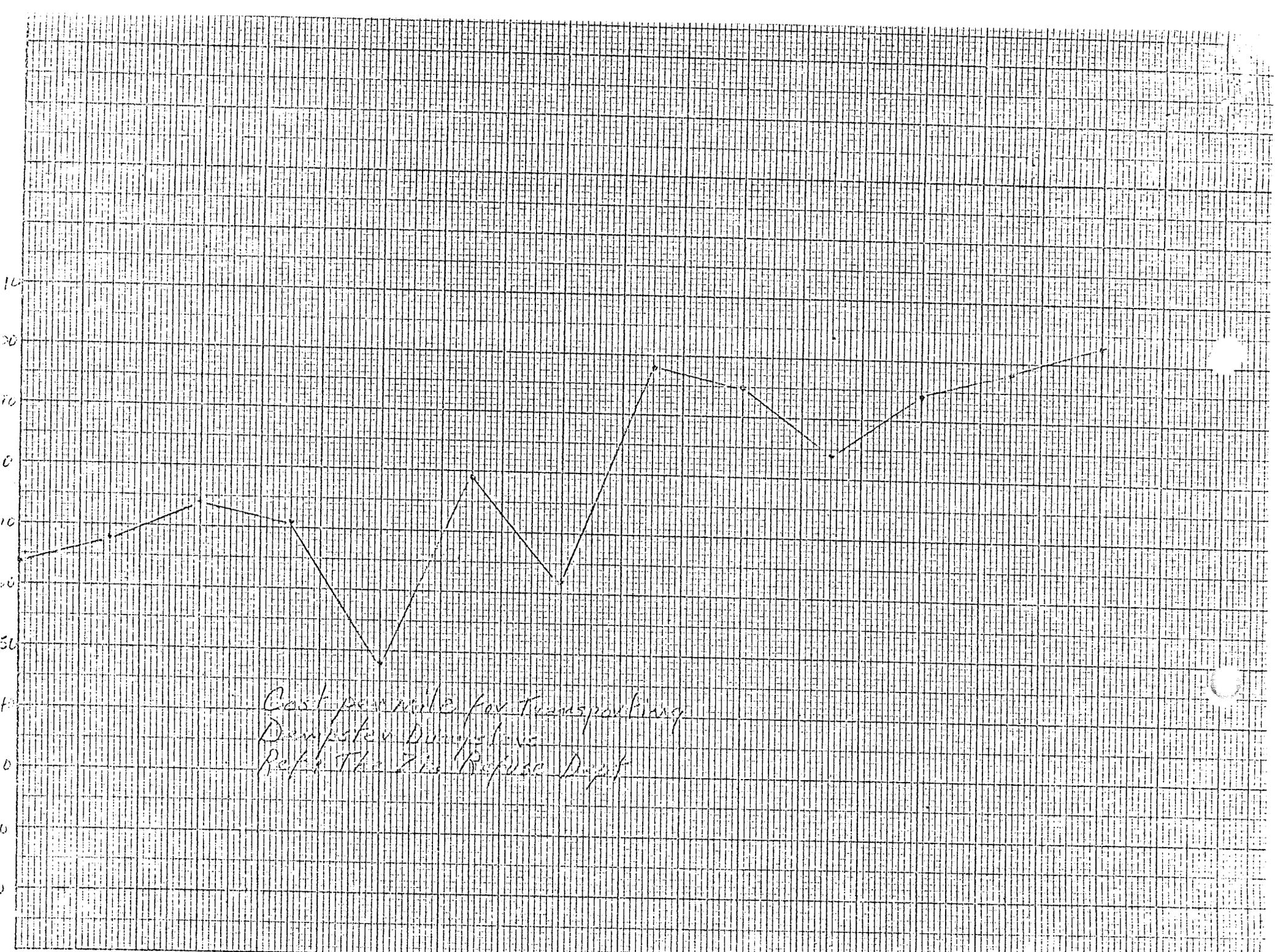
<u>Waste Volume:</u>	<u>Total Yd.<sup>3</sup></u>
1. Small plastic bags (1,936 x 0.037yd. <sup>3</sup> )	72
2. Large plastic bags (838 x 0.46 yd. <sup>3</sup> )	385
3. Cardboard boxes (6,844 x 0.087 <sub>3</sub> yd. <sup>3</sup> )	595
4. 55 gal drums (410 x 0.3 yd. <sup>3</sup> )	123
5. Misc. scrap (est.)	<u>600</u>
Yd. Total	1,775

<u>Disposal Costs:</u>	<u>Total Dollars</u>
1 Small plastic bags (1,936 x 8)	\$155.00
2. Large plastic bags (838 x .24)	201.00
3. Boxes (6,844 x .19)	1,300.00
4. 55 gal drums (410 x \$8.60)	3,526.00
5. 2" tape (500 rolls x \$1.04)	520.00
6 Zia Janitor Charge	7,850.00
7. H-1 Vehicles	240.00
8. H-1 Radios	166.00
9 Protective clothing	50.00
10. Road & Ruin excavation (Bal. as of 10/1/69+\$4,508)	135.00
11. Health Physics Surveyor	2,625.00
12. Zia Laborers (estimated)	320.00
13. Zia Riggers (estimated)	1,000.00
14. Cover exposed trash (estimated)	1,200.00
15. Transport Dempster Dumpsters	<u>3,680.00</u>
Total for quarter	22,968.00
Cost per cubic yard for third quarter = \$13.00	

*John Enders*  
 John Enders

JE/pt

File: cc



Cost per mile for transporting  
 Dempster Dumpsters  
 Ref: The 21st Refuse Dept