

OFFICE MEMORANDUM

TO : Dean Meyer, Group Leader H-1

DATE: October 15, 1958

FROM : John Enders, H-1

SUBJECT: QUARTERLY REPORT ON DISPOSAL OF SOLID RADIOACTIVE TRASH, 3rd. QUARTER, 1958

SYMBOL : H-1

General:

At the start of this quarter Dempster Dumpster containers were put into service at nearly all of the laboratory sites where radioactive trash is picked up. A few sites are now calling this office when trash is to be picked up and it is then hauled to the disposal pit by pick-up truck.

Pick up of the 55 gal. drums containing sludge from TA-45 and Bldg. 35, D.P.W. is now done on Fridays of each week. Other material that cannot be hauled by Dempster Dumpster is also taken to the Disposal pit by truck.

Two Skip-type Dempster Dumpster containers have been requested for hauling the 55 gal. drums. They have not yet been delivered. When they are put into service it is estimated that the 1 ton Ford truck (now used to haul barrels) will not be needed nearly as often.

Seven six-bushel capacity trash collectors (dollys) have been received and put into service. These are used by janitors to hold the loose trash from offices and change rooms and the small sealed plastic bags. A 5 mil plastic bag is used as a liner for these collectors. A considerable saving in trash packaging and handling time is achieved by using these collectors. After the collectors have been in use for some time, it is hoped that more may be ordered for use at other Sites.

An estimate of 20 hours per week is now used by an H-1 Monitor for supervising trash disposal. This included escort duty one day per week and unlocking the pit for Dempster Dumpsters as well as logging information in the Dump Run Log Book. Several extra pick ups were made this quarter from Sites that do not have Dempster Dumpsters. In addition, H-1 used the 1-ton Ford truck to haul Beta-Gamma contaminated material from 10-Site.

The cost figures quoted for pick up of trash by Dempster Dumpster are determined on a mileage basis. Mr. Roser informed me by phone that this figure will be about \$1.15 per mile. The overall cost of operating the Dempster Dumpster trucks (wages, maintenance, equipment amortization, overhead etc.) is determined. This figure is used to find the cost per mile. Thus the mileage used for pick up of contaminated trash multiplied by the cost per mile equals the total charge for this service.

Exposed trash in Pit #6, Area "C" and exposed building material in Pit #1, Area "G" was covered once this quarter. The fire trench in Pit #1, Area "G", was also re-dug so burnable trash from the J-2 Bldg. demolition operation could be incinerated.

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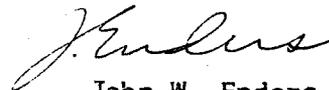
TABULATION

<u>A. Volume of Trash:</u>		<u>Cubic Yards</u>
1. Cardboard boxes	(6,400)	557
2. 55 gal. drums	(232)	85
3. Plastic bags, large size	(75)	35
4. Plastic bags, small size	(900)	33
5. Other material		<u>110</u>
		Total: 820

B. Cost data: (Figures rounded off)

1. Plastic bags, 21" x 26" x 40", 5 mil (75 @ 51¢ ea.)	\$ 38.00
2. Plastic bags, 24" x 13", 5 mil (900 @ 14¢ ea.)	126.00
3. Cardboard boxes (6400 @ 19¢ ea.)	1,216.00
4. 55 gal. drums (232 @ \$2.60 ea.)	603.00
5. 2 inch masking tape (700 rolls @ 64¢ ea.)	448.00
6. Plastic bags, 13" x 24" 2 mil, (1,500 @ \$0.054 ea.)	81.00
7. Packaging trash (Janitor charge)	7,535.00
8. Fencing, Pit #6, (\$2,803.21 balance)	97.00
9. Protective clothing	25.00
10. Dozer rental	514.43
11. Covering trash (Pit #6) $\frac{1}{2}$, \$1,059.97	530.00
12. Pick up of 55 gal. drums by truck	506.81
13. Dempster Dumpster hauling charge	783.82
14. H-1 Vehicle charge	129.25
15. H-1 Monitor charge (230 hrs. @ \$4.35 @ hr.)	<u>1,000.00</u>
	\$13,633.31

Cost per cubic yard = $(\$13,633 \div 820) = \$16.00.$



John W. Enders
Tech Area
Section Leader

CC: Charles Reynolds, Eng.4
H-1 File