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5/22/61

To: Dean Meyer, Group leader, H-1
From: John W. Enders, H-1
Subject: Solid Radioactive Waste Disposal for First Quarter of 1961

General:

This report covers the period from January 1, 1961 to March 31, 1961. The attached data sheet gives a breakdown of estimated costs and volume for this period. Since there are several items based only on estimates this fact should be taken into consideration if any conclusions are to be drawn from this report.

Information for this report was furnished by The Zia Refuse Dept., Eng-4, LA Notebook #9539, and Supply and Property Dept. The data breakdown was prepared by Pascual Chavez, H-1.

Area C

The disposal of gamma-active waste material into the disposal wells continued this quarter. As of the end of the quarter hole #20 had been filled. This leaves a total of 35 wells for future use. Later on this year it may be necessary to drill more wells between pits #4 and 2. A cost write-off for fencing around this area continues for this quarter.

Area G

The final cost write-off for Pit #1 was made this quarter. This pit was retired from use and filled to ground level on April 18-19, 1961. A total of 9 layers of waste material were placed in this pit. The first layer consisted mainly of contaminated building material from TA-1.

Area C Fencing:

\$97.00 per quarter. Balance as of 3/31/61 = \$1842.00

1758
Repair



Volume of Trash:

| | | |
|----|---|------------------|
| | | Yd. ³ |
| 1. | Cardboard boxes(5664 @ .087 Yd. ³) | 493 |
| 2. | 55 gal. Drums(401 @ .368 Yd. ³) | 148 |
| 3. | Plastic bags-large(619 @ .46 Yd. ³) | 285 |
| 4. | Plastic bags-small(1409 @ .037 Yd. ³) | 52 |
| 5. | Misc. non-routine trash(estimated) | 650 |
| | Total= | <u>1,628</u> |

Disposal Costs:

| | | |
|-----|---|--------------------|
| 1. | Cardboard boxes(5664 @ 19¢ ea.) | \$ 1,076.00 |
| 2. | 55 Gal. Drums(401 @ \$7.20 ea.) | 2,887.00 |
| 3. | Lg. Plastic Bags(619 @ 51¢ ea.) | 316.00 |
| 4. | Sm. Plastic Bags(1409 @ 14¢ ea.) | 197.00 |
| 5. | Masking tape, 2" (400 rolls @ 64¢ ea.) | 256.00 |
| 6. | Protective Clothing | 50.00 |
| 7. | Packaging Trash (Janitor charge) | 7,535.00 |
| 8. | H-1 Monitor (300 man/hrs. @ \$6.00/hr.) | 1,800.00 |
| 9. | Road and Ruin Excavation ($\frac{1}{4}$ of 1/20 per year, Balance as of 3/31/61=\$9,114.00) | 135.00 |
| 10. | Excavate Pit #1 (1/8 of \$3,140; Balance @ \$0.00) | 389.00 |
| 11. | D-7 Bulldozer (\$150 per month) | 450.00 |
| 12. | Cover trash @ Pit #1; two coverings | 1,039.00 |
| 13. | H-1 Vehicle (#0094--@ \$40.00 per month) | 120.00 |
| 14. | H-1 Vehicle (#0967--@ \$40.00 per month) | 120.00 |
| 15. | Radio Rental | 47.00 |
| 16. | Trash Pickup--Drums and boxes--by Dempster Dumpster | 2,648.00 |
| 17. | Non routine trash pickup by Laborers and Riggers | 3,870.00 |
| 18. | Fencing, Area "G", (Balance as of 3/31/61=\$4,177.00) | 151.00 |
| | Quarter Total: | <u>\$23,122.00</u> |

Cost per Cubic Yard:

\$23,122.00 divided by 1,628 Yd.³ = \$14.00 per cubic yard.