

## OFFICE MEMORANDUM

TO : Margaret A. Rogers, Group H-12

DATE: January 25, 1979

FROM : John Enders, H-12 Consultant *JE*

SUBJECT : DISPOSAL PROCEDURES FOR DISPOSAL SHAFTS IN AREA C AND OTHER INFORMATION

SYMBOL : H21-79-44

MAIL STOP: 490

The first shafts to be used, #56 through #67, were about 2' X 12' deep and most of the deliveries were made by CMB-DOGS Group (now CMB-14) during 1958 and 1959. These shafts were drilled in February, 1958. After material was put into a shaft, dirt was added until the gamma radiation level was reduced to 5 mr/hr. In most of these 12 shafts, only one delivery was made, due to the dirt required for reduction of the radiation levels. These shafts were capped with concrete soon after each one was filled as the truck had to reach the next empty shaft.

The second series of shafts were drilled between Pits #1 and 3 and were 2' in diameter and about 20' in depth. During the 3rd quarter of 1959, a work order request was made to have 55 shafts drilled.<sup>1</sup> These shafts were numbered #1 through #55. Drilling is believed to have been done during the fourth quarter of 1959.

Deliveries to these shafts involved assurance that no more than 500 grams of fissile material be placed in any one shaft. Also, as dirt was added to material delivered to a shaft, the shaft would appear to be full. Later on, as the dirt and material settled, additional shaft space would become available. This explains why several shafts were "in use" over a given period in time.

Final capping of these shafts apparently occurred on/or about 8-28-61 (#1 to #24) and the balance (#24 through #55) during 1962.

Additional shafts were drilled in a north-south row, west of pits #1, 2, 3 & 4 during September 1962. These shafts were 2' X 20' deep (#68 through #77). In addition, shafts #98 through #107 were drilled and are 12" X 20', concrete lined, during 1963. An additional 20 shafts (#78 through #97) which, I recall, were 3' in diameter and about 25' deep were also drilled in 1964.

JE:tj



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