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June 14, 1949

Jack Cully -Eng. 4

Dean Meyer -CMR-12

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Disposal of Solid Contaminated Waste Materials at Los Alamos (continued)

Personnel and Equipment

The waste disposal program requires three men. Two of these work on the contaminated truck and are furnished by the Zia Company. The third man is a CMR-12 Monitor. This Monitor supervises the handling of the material. Before loading he checks the boxes for external contamination and keeps records of any accountable property that is buried.

The equipment used consists of a truck and a sedan. The material in the pits is covered once a week. This requires the use of a bulldozer and operator one day a week.

Types of Contamination

Two general types of contamination are placed in the burial pits. The main type handled consists of alpha emitters. The other type consists of small amounts of beta-gamma emitters.

The amount of contamination varies and we do not have a quantitative estimate of the amount of active material buried.

At the present time the solid contaminated wastes are buried. Since the start of the project we have filled six pits. Three of these are located between the trailer camp and the CMR Laundry, two on the tank area near DP East and one at the Alpha Site Dump.

The present dump has been in use for one year and during that time we have filled one pit. We are now using the last pit and it should last until June 1950.

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Disposal of Solid Contaminated Waste Materials at Los Alamos

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The disposal of all solid contaminated waste materials at Los Alamos is handled by the CMR-12 Group. Per *Wm Howard* 8/27/54 (Date)

Sources of Contaminated Wastes

By *Pat Spalding* 9/1/54 (Signature of person making the change, and date)

The main sources of contaminated wastes are from D Building, Sigma, DP West, DP East and Bayo Canyon. The CMR Division is serviced daily with the exception of Bayo Canyon where material is picked up weekly. Other sites are serviced at request. In addition to the material disposed of daily we have two other occasional sources: They are building material from distruction of buildings in which radio active material has been handled and the filter papers from the electrical precipitators at DP West and East. The filter papers are disposed of twice a year. The waste from the CMR Division averages 50 boxes a day.

Composition of Contaminated Wastes

The waste material handled consists of paper, rags and rubber gloves. This material is placed in cardboard boxes at the sites and the boxes are sealed with masking tape. These boxes may also contain glassware and small metal apparatus. This type of material makes up approximately 90% of material handled. The rest of the material consists of metal such as airducts and large metal apparatus. This type of material is placed in wood boxes or is wrapped with paper.

Two types of cardboard boxes are in use at the present time. One is 25½"x25½"x30 and the other is 13"x13"x24½". As soon as the supply of the large boxes is exhausted we are going to standardize on the smaller box.

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