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Date September 11, 1947

Subject Minutes of Meeting Concerning

File No. _____

Uranium Wastes for 1400 Area, Sept. 11, 1947.

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To 12-1300 Area Design File

From F. L. Culler



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AUG 25 1947

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To: 12-1300 Area Design File

September 11, 1947

From: F. L. Culler, Process Design Section
Technical Division

Subject: Minutes of Meeting Concerning Uranium Wastes for 1400 Area,
September 11, 1947

Present: J. A. Kyger, F. R. Ward, H. K. Jackson, W. H. Pennington
H. E. Goeller, and F. L. Culler.

The following information was supplied by J. A. Kyger concerning wastes and reject materials sent to the 1200 Area for reprocessing from the 1400 Area.

The 1200 Area will receive uranium bearing material in two forms:

1. Rejected fabricated assemblies and rejected clad sheets. These materials will be transferred as metals in estimated quantity equal to 30% of the material supplied to the heterogeneous pile. This will be, therefore, 30% of one third the design capacity of the 1200 Area.
2. Solution of uranium from slag, burned graphite crucibles, and wastes from machining operations. These wastes will be dissolved in the 1400 Area and transferred as a solution. The amount of uranium is estimated to be 3% or less of that processed for the 1100 Area. Ted Rockwell will supply additional information on the composition of this waste.

Most of the trimmings from all plates except those which have been clad with 72S Al will be recycled in the 1400 Area. This recycle will probably amount to 10% or less of that processed for the 1100 Area.

Another uranium bearing waste that must be considered is the approximately 2% of total processed material that will be sent to the analytical section.

Cold, non-uranium bearing wastes from the degreasing and etching baths must be considered in the waste disposal system. The volume of these solutions will be small and non-radioactive. They therefore can be neutralized and sent to the retention pond. Other wastes such as floor washes, etc., will not be held for U recovery, but sent directly to the retention pond.

No estimates were made as to water or steam requirements.

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Ted Davis 11/1/95
ADD signature
Date
Single review of CCRP-declassified documents was authorized by DOE Office of Technical Information, memo of August 22, 1994.

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12-1300 Area Design File

September 11, 1947

The question of batching procedures for the refined oxide before transfer to the 1400 Area was briefly discussed. Mr. Kygar expressed a desire to have batches of oxide prepared in proper size for charging to the crucibles before arrival in the 1400 Area. The problem of batching and storing oxide will be given consideration at a later date.

It was suggested that a check on analytical requirements for the 1400 Area be made.

F. L. Culler

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