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REDOX COMMITTEE CONFERENCE NOTES

Meeting of May 23, 1949.

1. The Aluminum Nitrate Recovery report was discussed and is being typed. To this will be added an addendum covering the discussion during this meeting.

Aluminum
Nitrate
Recovery

A compromise of the flowsheet submitted has been suggested, which is to be incorporated in this addendum.

This report, with addendum and flow sketch, is to be submitted to the Chairman of the Redox Committee by Wednesday, May 25.

DOES NOT CONTAIN
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Reviewing Official: *C. J. Barick* AED Class Officer
3/25/49

The Scope of Rework was discussed at length and a report incorporating the discussion, with flow sketch, is to be submitted to the Chairman of the Redox Committee by Friday, for final action by the Committee.

Scope of
Rework

General Specifications describing the requirements of "hot" and "cold" process pumps were submitted and accepted by the committee.

Pump
Development
Program

This specification is to be turned over to Mr. Thomas Williams for initiating a development program with various manufacturers.

Mr. R. H. Beaton gave verbal replies to the questions contained in letter of Mr. J. R. Cartmell to R. H. Beaton, April 27, 1949.

Dissolver
Off-Gas and
Ventilation
Air Treatment

These will be submitted by him in writing.

Mr. R. H. Beaton reviewed Document HW-11747, Nuclear Safety - Redox Process, dated 12/3/48, Muller to Richards, which specifies basis of criticality, or lack of it, in the Redox process.

Critical
Mass
Data

It was stated that all parts of this document are considered firm. Additional information was given along with clarifying explanations.

A review of how this information affects Redox Process Flowsheet will be presented on May 31.

MASTER

Report, by Mr. J. M. Frame and Mr. D. E. Irons, on Schedule of Basic Scope Drawings was held over for the next meeting of the Committee, May 31, 1949.

Basic Scope
Drawings

Classification Cancelled/Changed
TO UNCLASSIFIED
By Authority of

1. *C. J. Barick* AED CO 3/25/49
2. *W. R. ...* AED 3/25/49

REDOX COMMITTEE

CONFERENCE NOTES

MAY 23, 1949

7. The proposed Plot Plan of the Waste Tank Farm with Related Structures was submitted to the Committee by Mr. M. J. Rutherford and was accepted.

Plot Plan -
Waste Tank Farm
with Related
Structures

Mr. Rutherford was instructed to prepare a scope description for the Tank Farm, for a Retention Basin equal in size to that in the present U Building, for a Diversion Box, and Cribs. This scope description is to include drawings and is to be submitted to the Chairman of the Redox Committee by Wednesday for final action by the Redox Committee.

The Technical Division, through Mr. Richards, was requested to submit a Corrosion Test Program which shall also consider cathodic protection.

Corrosion
Program

8. Discussion of Nitric Acid Specifications and Supply (Reference letter, Frame to Richards, May 18, 1949) was held over for the next meeting of the Committee on May 31, 1949.

Nitric Acid
Specification
and Supply

9. A letter dated April 1, 1949, signed by Fred C. Schlemmer Manager, Hanford Operations, U. S. AEC, requested, in one paragraph, that "a concise summary of the entire program revised in the light of this action should be submitted to this office at the earliest possible date. This summary should cover all aspects of process and engineering development, design and construction. It should set forth the scope of work to be performed by each General Electric Company Division, subcontractor, or associated organization such as Oak Ridge National Laboratory, and should provide manpower estimates and time schedule for each organizational unit concerned."

Overall
Program
for Redox
Project

On March 5, 1949 (by PM-1460) The Kallax Corporation was requested to furnish information for use in answering the above cited paragraph.

The Redox Steering Committee will meet on June 6th and after the review by this Committee of the work to be done by various laboratories, it is expected that the Redox Committee will be able to furnish the information requested in Mr. Schlemmer's letter.

Meantime, a letter will be prepared advising Mr. Schlemmer that this information will be transmitted during the latter part of June, 1949.

O. H. Greager

W. K. MacCreedy

S. D. K. 100