

**CONDITIONAL APPROVAL OF THE WASTE PIT 5
LINER REPAIR WORK PLAN**

DOCUMENT DATE 09/10/91



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
230 SOUTH DEARBORN ST.
CHICAGO, ILLINOIS 60604

2120

SEP 10 1991

REPLY TO ATTENTION OF:
5HR-12

Mr. Jack R. Craig
United States Department of Energy
Feed Materials Production Center
P.O. Box 398705
Cincinnati, Ohio 45239-8705

RE: Conditional Approval of the
Waste Pit 5 Liner Repair Work
Plan

Dear Mr. Craig:

The United States Environmental Protection Agency (U.S. EPA) has completed its
review of the Waste Pit 5 Liner Repair Work Plan. 1901

U.S. EPA hereby approves the plan pending incorporation of the following
enclosed conditions.

Please contact me at (312/FTS) 886-0992 if you have any questions.

Sincerely,

James A. Saric
Remedial Project Manager

Enclosure

Date Rec'd SEP 13 1991
Log E-4094
File _____ 1
Library _____

cc: Graham Mitchell, OEPA-SWDO
Pat Whitfield, U.S. DOE-HDQ

bcc: David Ullrich->William Muno->Kevin Pierard, WMD
Mary Butler, ORC
Sandra Lee, ORC
David Kee, ARD
Jim Benetti, ARD
Dan O'Riordan, OPA
Ed Schuessler, PRC

General Comments:

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The air sampling information and procedures in this document does not provide enough information or specific detail. The repair plan needs to include estimated effective dose equivalent due to emissions of particulates containing uranium, thorium, and radium to assure that planned controls are sufficient. The air sampling procedure alone does not take into account wind dispersions as a function of wind speed nor does it consider the distances from the work area of the pit to the air sampling equipment. The sampling procedure does not include information on changing air sampling points when the wind direction changes during liner repair.

Specific Comments:

1. Page 3, Procedures

One of the first steps in the procedure should be to document that atmospheric conditions are acceptable 8 hours prior to performing liner repairs and then the air sampler positions are set up and 8 hour samples are taken.

2. Page 5, Paragraph 6

Attachment C should be referenced as Attachment D.

3. Table II, no page number

The table shows uranium as the only radionuclide hazard monitored. The table should also include thorium and radium as hazards monitored. Footnote 1 at the bottom of the table is not specified in the table.