

6275

R-023-101 .3

**WEEKLY REPORT - URANYL NITRATE HEXAHYDRATE  
NEUTRALIZATION PROJECT**

12/05/94

**DOE-0262-95  
DOE-FN        EPAs  
4  
REPORT**



**Department of Energy**  
**Fernald Environmental Management Project**  
 P. O. Box 398705  
 Cincinnati, Ohio 45239-8705  
 (513) 648-3155

DEC 05 1994

DOE-0262-95

Mr. James A. Saric, Remedial Project Director  
 U.S. Environmental Protection Agency  
 Region V - 5HRE-8J  
 77 W. Jackson Boulevard  
 Chicago, Illinois 60604-3590

Mr. Tom Schneider, Project Manager  
 Ohio Environmental Protection Agency  
 401 East 5th Street  
 Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

**WEEKLY REPORT - URANYL NITRATE HEXAHYDRATE NEUTRALIZATION PROJECT**

Enclosed is the weekly report for Uranyl Nitrate Hexahydrate (UNH) Neutralization Project Removal Action. The telephone conference call will be at 1:30 PM this afternoon.

If you or your staff have any questions, please contact me at (513) 648-3172.

Sincerely,

*Chris White*  
 Chris White  
 UNH Project Manager

Enclosure: As Stated

cc w/enc:

K. H. Chaney, EM-423/QO  
 G. Jablonowski, USEPA-V, AT-18J  
 J. Kwasniewski, OEPA-Columbus  
 P. Harris, OEPA-Dayton  
 M. Proffitt, OEPA-Dayton  
 N. Brown, DOE-OH  
 L. Zull, DNFSB  
 J. Reising, DOE-FN  
 D. J. Brettschneider, FERMCO  
 S. Frank, FERMCO  
 T. Patton, FERMCO

## UNH NEUTRALIZATION PROJECT

## WEEKLY REPORT

DECEMBER 5, 1994

A final walkdown of the constructed facilities took place on November 28 and 29 during which a final punch list was prepared. Engineering indicated those items which had to be completed in order for the System Operability Test (SOT) to begin on Friday, December 1.

Training on the lesson plans, Standing Orders, and table talk walk-through of the System Operating Procedures (SOPs) occurred Monday through Thursday. Overview training occurred on Thursday. An additional makeup session on the Overview Training will occur on Wednesday, December 7 at 1:00 pm in Trailer 18. An additional overview Training walkdown will occur on Thursday, December 8.

The SOT Procedure and Startup Plan was approved on December 1. The SOT began on December 2. The first item to be done was a review of the construction completion package. During the verification of the final punch list on Friday morning, it was determined that several items (i.e. valve labels missing, leak detector hooked up) which were indicated to be completed, had not been completed. This delayed the actual field portion of the SOT from Friday to Saturday. Additional concerns raised concerning precautions about entering live electrical panels delayed the field startup until Sunday afternoon. Little progress was made Sunday afternoon as the transfer pump at the CD Blend area failed to operated.

The new 60 HP motor arrived on Wednesday. A hoisting and rigging plan to install the motor was prepared and submitted to DOE. The plan was considered inadequate. Enhancement of the plan is currently underway.

A letter was issued on November 29 by the FERMCO UNH Project Manager indicating that core requirements 6, 11, and 14 are completed and ready for ORR review. Items 7 and 8 had to be delayed because a couple of subitems had not yet been completed.

A test of the Plant 2/3 Digestion area was performed using water. The test revealed that the facility was only capable of holding slightly more than 10,000 gallons of material. It is desired to have around 25,000 gallons. It was deemed unreasonable to raise the curbs in Pant 2/3 to obtain the required storage volume. Accordingly, a sketch of a plan to combine the Plant 2/3 Digestion containment area with the CD Blend Tank containment area was prepared by the FERMCO UNH Project Manager to address this concern. FERMCO engineering is reviewing the plan, surveyed the area on December 2, and will calculate the net required volume available with the proposed changes to verify its acceptability. It is intended that this change be implemented by COB December 10, but by latest on December 19 (date of final ORR core requirements turnover to the FERMCO review team).

The number of leaks and leak rates have not increased. Scaffolding was installed by the S.E. CD Bland tank to address the several leaks from these flanges. Other leak repairs have not yet been addressed due to intensive use of manpower in other ongoing activities.

UNH NEUTRALIZATION PROJECT  
WEEKLY REPORT  
DECEMBER 5, 1994 (CONTINUED)

Two comments were received from U.S. EPA concerning the UNH Work Plan. These comments are being addressed. It is planned to hold a teleconference later in the week with U.S. EPA to discuss the comments.