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

10/31/94

DOE-0127-95
DOE-FN EPA
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LETTER



6131-4

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

OCT 31 1994

DOE-0127-95

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

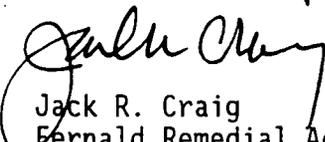
Dear Mr. Saric and Mr. Schneider:

WEEKLY REPORT - URANYL NITRATE HEXAHYDRATE NEUTRALIZATION PROJECT

Enclosed is the weekly report for the Uranyl Nitrate Hexahydrate (UNH) Neutralization Project Removal Action. The 1:00 telephone conference call this afternoon will include, at a minimum, those people annotated with an asterisk on the enclosed carbon copy (cc) list.

If you or your staff have any questions, please contact me at (513) 648-3107, or Chris White at (513) 648-3172.

Sincerely,


Jack R. Craig
Fernald Remedial Action
Project Manager

FN:White

Enclosure: As Stated

cc w/ enc:

*K. H. Chaney, EM-423/Q0
D. R. Kozlowski, EM-423/Q0
G. Jablonowski, USEPA-V, AT-18J
J. Kwasniewski, OEPA-Columbus
P. Harris, OEPA-Dayton
M. Proffitt, OEPA-Dayton

*N. Brown, DOE-OH
J. Michaels, PRC
R. Cohan, GeoTrans

*L. Zull, DNFSB
F. Bell, ATSDR
R. Owen, ODOH
B. Kehew, DOE-FN
W. Pasko, DOE-FN

*J. Reising, DOE-FN
J. Simak, DOE-FN
E. Skintik, DOE-FN
J. Trygier, DOE-FN
K. L. Alkema, FERMCO/65-2

*D. Brettschneider, FERMCO/52-5
P. F. Clay, FERMCO/52-2

*S. Frank, FERMCO/73
D. Paine, FERMCO/30

*T. Patton, FERMCO/81-4
J. Thiesing, FERMCO/2
AR Coordinator, FERMCO

cc w/o enc:

M. Yates, FERMCO/9

UNH NEUTRALIZATION PROJECT

WEEKLY REPORT

NOVEMBER 31, 1994

FERMCO has done a preliminary re-evaluation of the sequencing of tank neutralization in response to OEPA's request to have the leaking tanks addressed first. Current thinking is to process two indoor hazard category 4 tanks first to prove process. The leaking tanks would then immediately follow.

Revised procedures, which address the change from progress cavity pumps to double diaphragm pumps, have been completed and submitted to the procedures group for final editing and distribution. This allows for the training material to be revised to reflect the new pumping configuration.

The first draft of an emergency leak response contingency plan was prepared and issued for internal FERMCO review.

A public workshop to discuss the UNH project is planned for November 14, 1994 at 7:00 pm at Crosby Elementary School. The workshop is in response to a public request at the last quarterly RI/FS meeting.

FERMCO is preparing a more detailed schedule for the activities remaining on the project as requested by OEPA (see item 2 on attached internal FERMCO memo summarizing the October 25 meeting with OEPA). FERMCO is also working on the other items not mentioned specifically above, but listed as item 14 of said memo.



INTEROFFICE MEMORANDUM

To:	Those Listed	Date:	October 27, 1994
Location:	Various	Reference:	
From:	Dave Brettschneider	FERMCO #:	M:RSO:(FP):94-0068
Location:	Fernald, MS 52-5	Client:	DOE DE-AC05-920R21972
Extension:	738-6101	Subject:	UNH Project - October 25 Meeting with EPA, Dayton, Ohio

Ken Alkema, MS65-2
 Jack Craig, DOE-FN, MS45
 Stan Frank, MS73
 Terry Hagen, MS31
 Ev Henry, MS52-5
 Tim Huey, MS62
 Don Paine, MS35-1
 Wally Quaider, DOE-FN, MS45
 Johnny Reising, DOE-FN, MS45
 Jim Thiesing, MS2
 Chris White, DOE-FN, MS45

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- 1) DOE/FERMCO to prepare and issue a brief weekly progress status report to EPAs and DOE-HQ. Report to be faxed out at 9:00 am on Mondays. A 1:00 pm teleconference will follow to address any questions/concerns/etc. First report to be issued October 31.
- 2) A meeting will be held at 10:00 am on November 7 at OEPA Dayton office to discuss the detailed project schedule.
- 3) DOE/FERMCO to prepare justification on why the project start operation date can be delayed until January 16, if this project is now a emergency action. January 16 is the same milestone date previously agreed to.
- 4) DOE/FERMCO to submit any necessary changes to the project Removal Action Work Plan.



INTEROFFICE MEMORANDUM

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- 5) DOE/FERMCO to prepare a summary of what, if any, winter weather conditions will stop operation of the system.
- 6) OEPA would like to see Thorium Nitrate Tank processed as soon as UNH completed. This may be critical in FEMP's OU5 planning for permanent shutdown of the BDN system. Post conference note - also need to consider NAR tanks in BDN shutdown planning.
- 7) OEPA would like to see leaking tank processed first. FERMCO/DOE discussed why this was not feasible, but will evaluate moving the tank forward in the schedule.
- 8) In lieu of accelerating schedule for leaking tank, FERMCO to evaluate whether plans/procedures should be developed to make an emergency transfer of leaking tank to the reserve tank. FERMCO indicated this would require additional resources so not to divert existing resources from current work scope.
- 9) DOE/FERMCO to prepare position paper identifying criteria for initiating above emergency transfer.
- ~~10) DOE Ohio Field Office is sending a letter to DOE-HQ later this week requesting Readiness Assessment (RA) be used in place of Operational Readiness Review (ORR). DNFSB, DOE-FN, and DOE-OFO are all in agreement on this modification. This is deemed the only way possible to meet the January 16 date.~~ *JM*
- 11) DOE/FERMCO should evaluate the need to perform more non-destructive testing to determine if leaking tanks are stable.
- 12) DNFSB is willing to work with us concurrently on this project. Should consider adding representative to Monday 1:00 pm teleconference.
- 13) DOE/FERMCO to check use of Monel piping at any location in system. Monel will not withstand long attack by nitric acid and has been the source of some of the past detected leaks.
- 14) Detailed schedule (Item 2) and items 3, 5, 7, 8, and 9 responses need to be prepared and transmitted to OEPA by November 4.