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Department of Energy

Ohio Field Office
Fernald Closure Project
175 Tri-County Parkway
Springdale, Ohio 45246



OCT 26 2006

Mr. Michael Murphy, Health Physicist
U.S. Environmental Protection Agency
Region V-SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0032-07

Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V-SRF-5J
77 W. Jackson Blvd.
Chicago, IL 60604-3590

Mr. Thomas Schneider, Project Manager
Ohio Environmental Protection Agency
Southwest District Office
401 East Fifth Street
Dayton, Ohio 45402-2911

Dear Mr. Murphy, Mr. Saric and Mr. Schneider:

**RECOMMENDATION FOR AIR MONITORING PHASE II SITE BOUNDARY
REDUCTIONS**

- Reference: 1) Weekly Conference Call 04/11/06: Approval for removing Phase 1 - TLD, Radon, and Particulate Monitors (AMS-04, AMS-05, AMS-07, AMS-23, AMS-25, and AMS-28) was received during the weekly conference call.
- 2) Letter, T. Schneider to J. Reising, "Approach for the Reduction of Site Boundary Integrated Environmental Monitoring Plan (IEMP) Air Monitors," dated October 21, 2005
- 3) Letter, J. Saric to J. Reising, "IEMP Site Boundary Air Monitor Reductions," dated November 8, 2005

Mr. Michael Murphy
Mr. James A. Saric
Mr. Tom Schneider

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- 4) Letter, J. Saric to J. Reising, "Legacy Management and Institutional Control Plan Revision 1 and RTC", dated August 7, 2006
- 5) Letter, T. Schneider to J. Reising, "Approval - Comprehensive Legacy Management and Institutional Controls Plan Volume I and II", dated August 10, 2006

The purpose of this letter is to transmit recommendations to United State Environmental Protection Agency (EPA) and Ohio Environmental Protection Agency (OEPA) for the Phase II Site Boundary Air Monitoring Reductions to transmit Phase I Site Boundary Reductions were made in April 2006 when approval was received from EPA and OEPA (Reference 1) With the implementation of the Phase I reduction, Site Boundary Air Monitors were reduced from 17 to 11. With the implementation of Phase II, Site Boundary Air Monitors will be reduced from 11 to 6. Both EPA and OEPA have made recommendations regarding Site Boundary Air Monitoring Reductions (References 2 and 3)

Phase I involved removing monitoring locations at AMS-4, AMS-23, AMS-26, AMS-7, AMS-5, and AMS-25 (refer to Figure 1). The recommendation for Phase II reduction was incorporated in the approved June 2006 Comprehensive Legacy Management and Institutional Controls Plan (LMICP; Volume II, Attachment D, Section 6) and would involve removing monitoring locations from AMS-29, AMS-9C, AMS-22, AMS-27, and AMS-26 (References 4 and 5: LMICP approvals). These reductions were discussed with both OEPA (Bill Lohner) and EPA (Mike Murphy) in June prior to the LMICP submittal.

Since the site sources have been removed, the on-site disposal facility has been capped, and all impacted soil will be removed by the end of October, it is recommended that Phase II monitoring reductions be initiated mid-November upon EPA and OEPA approval. Additionally it should be noted that most recent air monitoring data have been reviewed to confirm that recommended monitors to remain post-closure (AMS-3, AMS-8A, AMS-2, AMS-6, and AMS-24) are appropriate.

If you have any questions or need further information, please contact me at (513) 648-3139.

Sincerely,



Johnny W. Reising
Director

Enclosure: As Stated

Mr. Michael Murphy
Mr. James A. Saric
Mr. Tom Schneider

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DOE-0032-07

cc w/enclosure:

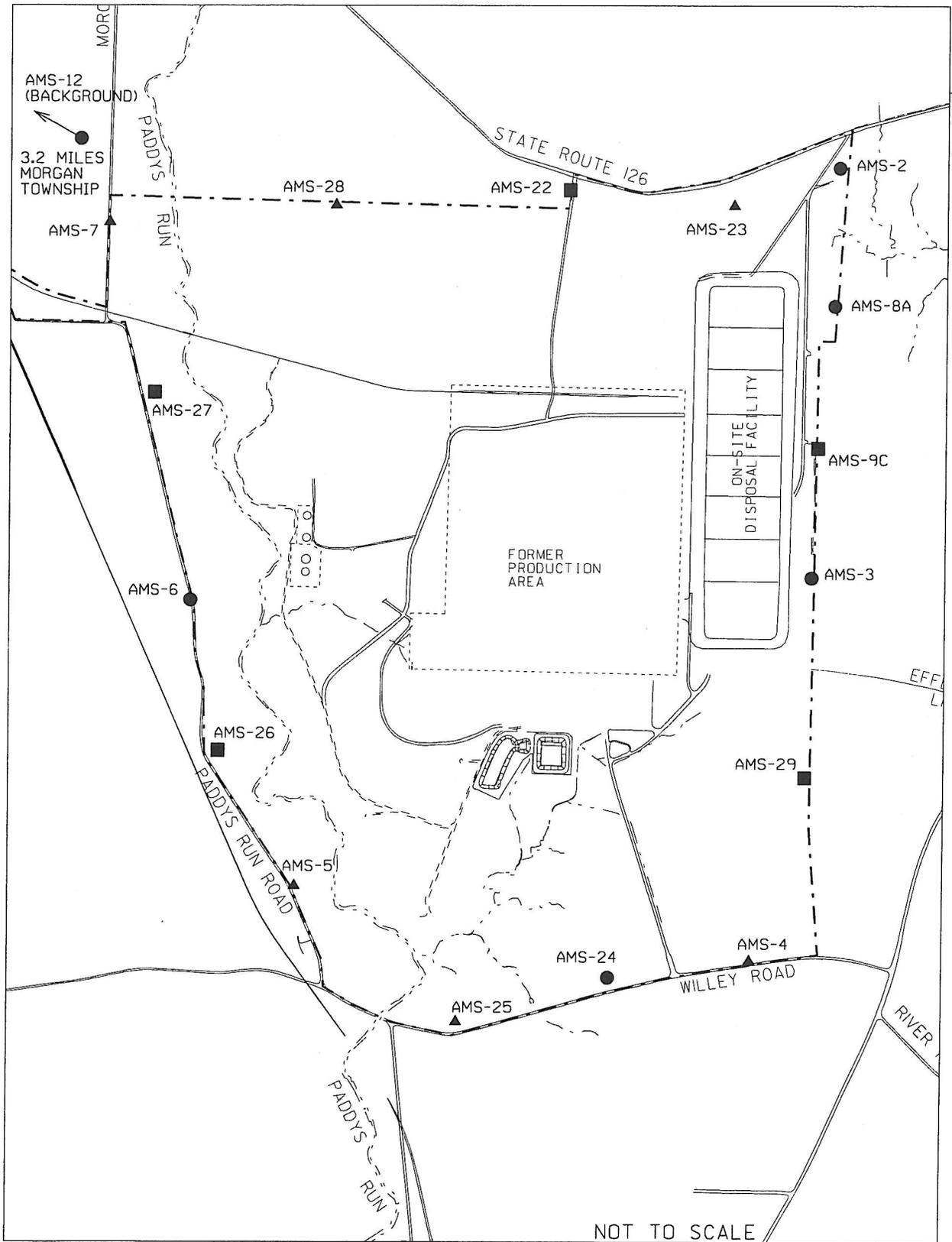
E. Skintik, DOE-OH
J. Powell, DOE-LM, MS2
C. Jacobson, Stoller, Inc.
M. Lutz, Stoller, Inc.
M. Miller, Stoller, Inc., MS2
M. Cullerton, Tetra Tech
G. Jablonowski, USEPA-V, SR-6J
T. Schneider, OEPA-Dayton (3 copies of enclosures)
M. Shupe, HSI GeoTrans
S. Helmer, ODH

c w/o enclosure:

J. Chiou, Fluor Fernald, Inc., MS88
F. Johnston, Fluor Fernald, Inc., MS12
W. Hertel, Fluor Fernald, Inc., MS12
M. Cherry, Fluor Fernald, Inc., MS1
C. Murphy, Fluor Fernald, Inc., MS1
P. Mohr, Fluor Fernald, Inc., MS1
C. Tabor, Fluor Fernald, Inc., MS12
T. Terry, Fluor Fernald, Inc., MS1
K. Voisard, Fluor Fernald, Inc., MS12

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LEGEND:

----- FERNALD SITE BOUNDARY


 DISTANCE FROM CENTER OF
 FORMER PRODUCTION AREA
 TO AMS LOCATION OFF MAP

▲ PHASE I AIR MONITOR REDUCTIONS

■ PHASE II RECOMMENDED AIR MONITOR REDUCTIONS

● POST-CLOSURE AIR MONITOR LOCATIONS

FIGURE 1. AIR MONITORING LOCATIONS