



Department of Energy

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APR 13 1998

DOE-0679-98

Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V-SRF-5J
77 West 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:

**PLANNED IMPLEMENTATION STRATEGY FOR THE AREA 1, PHASE II SOIL
CHARACTERIZATION, EXCAVATION AND CERTIFICATION ACTIVITIES**

As a follow-up to our discussions during the April 7 and 8, 1998, Soils Remediation meeting, the following outlines the planned implementation strategy for the Area 1, Phase II (A1PII) Project. This strategy has been refined from a single package, presented in the November 1997, submittal of the A1PII draft Integrated Remedial Design Package (IRDP) - Revision C, into five (5) packages. The five (5) packages are the result of additional predesign investigation activities, construction schedule, and construction contractor availability considerations. The packages include: (1) Site Preparation, (2) Sewage Treatment Plant (STP) Excavation, (3) Trap Range Remediation, (4) Area 1 Phase I (A1PI) Sedimentation Traps Certification, and (5) Sewage Treatment Plant Backfill Borrow Area (referred to as the A1PII Backfill Borrow Area in the draft A1PII IRDP). The scopes are provided below and a list of the proposed submittals, their contents, and submittal dates are provided in the enclosed table. Additionally, a map is enclosed that shows the various components of the A1PII work:

1. Site Preparation

The Site Preparation scope includes ditches, conveyance channels, sedimentation basin, and culvert construction prior to STP Excavation and Trap Range Remediation. This scope involves earthwork in certified areas to support the STP excavation, trap range remediation and On-Site Disposal

Facility (OSDF) directed excavations to obtain borrow materials. The A2PI Excavation - OSDF Phase II Contractor will be responsible for the excavation of the borrow materials for the OSDF. Additionally, a portion of the STP Access Road and South Access Road will be removed and placed upon an impacted material stockpile (location to be determined) prior to its subsequent placement into the OSDF. This stockpile will be placed by either the A2PI - OSDF Phase II contractor or the STP Excavation contractor.

Field Activities by the Site Preparation contractor are scheduled to begin in September 1998.

2. STP Excavation

STP Excavation scope includes the A1PII IRDP remedial portion including soil, sediment, perched water, and at and below-grade structures (foundations and underground utilities) within A1PII, with the exception of Trap Range Remediation, described below. A modification presently planned in the STP Excavation scope is the replacement of the Tank Farm, shown in the November 1997 submittal of the IRDP, by an excavation sump with pumping operations to the Leachate Collection System Sump. STP Excavation scope will also include remediation of the A1P1 and OSDF sediment basins located in Sector 3. The STP Excavation is presently planned to be awarded as a separate contract from the Site Preparation contract.

Field activities (mobilization, construction support facility installation) by the STP Excavation contractor are scheduled to begin in January 1999 with actual excavation commencing in April 1999.

3. Trap Range Remediation

Trap Range Remediation scope and approach (i.e., lead contaminated soil stabilization and subsequent disposal) were presented during the April 7, 1998, monthly meeting.

Treatability studies are scheduled to be completed this fiscal year and stabilization, excavation, loading, and hauling the stabilized lead contaminated soils in Fiscal Year 1999.

4. A1PI Sedimentation Traps Certification

A1PI Sedimentation Traps scope and approach will be described in a forthcoming Certification Design Letter (May 30, 1998). The two traps will be certified by the end of Fiscal Year 1998 as the Phase 1 Wetland Mitigation presented in Letter DOE-0385-98, Reising to Saric and Schneider, "Revised Strategy for Wetland Mitigation at the Fernald Environmental Management

Project," dated March 20, 1998. A Wetland Mitigation designer will provide the necessary information for regrading to support Phase 1. The contracting strategy has not yet been determined for this work.

Field activities in the construction of a wetland area are scheduled to begin in Fiscal Year 1999.

5. STP Backfill Borrow Area

The STP Backfill Borrow Area scope includes geotechnical sampling and analysis, summary report, and borrow area planning, design, and construction. The borrow area will be developed and used to backfill the excavations resulting from the STP Excavation after certification. The STP Backfill Borrow Area work is currently planned to be performed by a separate contractor from either of the activities associated with the Site Preparation work or the STP excavation work.

Borrow activities are scheduled to begin in March 2000.

If you have any questions, please contact Robert J. Janke at (513) 648-3124.

Sincerely,



Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:R.J. Janke

Enclosures: As Stated

cc w/enc:

G. Jablonowski, USEPA-V, SRF-5J
R. Beaumier, TPSS/DERR, OEPA-Columbus
T. Schneider, OEPA-Dayton (total of 3 copies of enc.)
M. Davis, ANL
F. Bell, ATSDR
K. Miller, EML
M. Schupe, HSI GeoTrans
R. Vandegrift, ODH
F. Barker, Tetra Tech
D. Carr, FDF/52-2
T. Hagen, FDF/65-2
J. Harmon, FDF/90
AR Coordinator, FDF/78

cc w/o enc:

N. Hallein, EM-42/CLOV
A. Tanner, DOE-FEMP
R. Heck, FDF/2
S. Hinnefeld, FDF/2
EDC, FDF/52-7

A1PII REMEDIAL ACTION PACKAGE AND DELIVERABLE SCHEDULE

<u>Deliverable</u>	<u>Site Preparation</u> 5/15/98	<u>Trap Range Remediation</u> 9/30/98	<u>STP Excavation</u> 6/17/98*	<u>STP Backfill Borrow Area</u> 9/30/98	<u>A1PI Sediment Traps Certification and Wetland Mitigation</u>
Site Preparation Work Plan	X				
Results of Treatability Study and Proposed Path Forward		X			
Certification Design Letter A1PI Sediment Traps					5/30/98
Revised Implementation Plan (Including Responses to Comments)			X		
Pre-CFC Plans and Specs	X	X	X	X	TBD
Revised Design Criteria Package	X		X	X	TBD
Pre-design Investigation Data (Including U, Ra, Th, Tc-99)			X		
Revised Surface Water Mgmt Plan	X	X	X	X	TBD

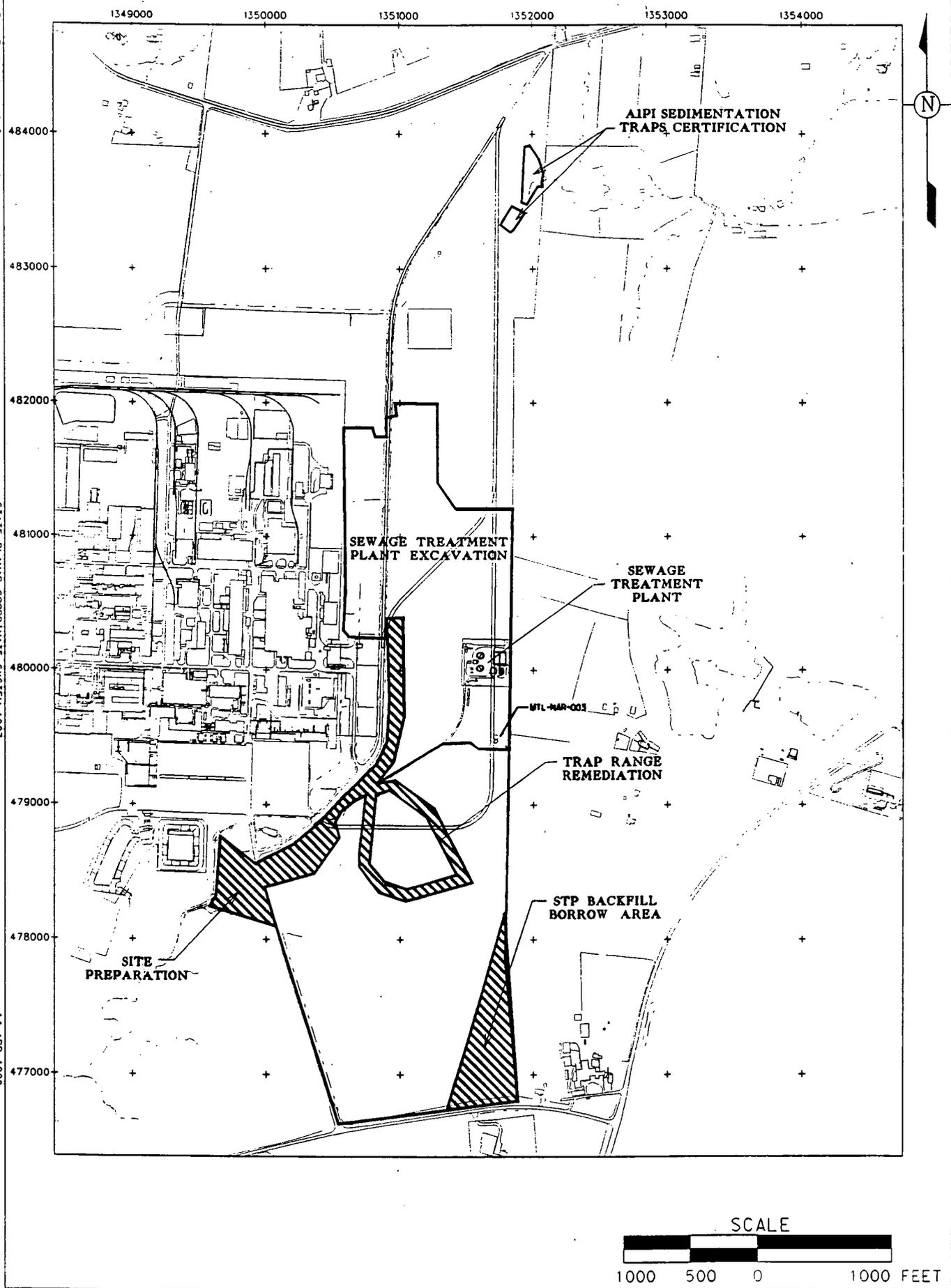
*Note: Revised Implementation Plan will provide schedule for remaining activities, such as completion of A1PII soil excavations and A1PII, Sectors 2 and 3 certification.

TBD: To Be Determined. These dates will be provided in the Certification Design Letter.

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LOCATION OF A1PII COMPONENT PACKAGES