

0205-0404280003

CH2M HILL

Mound, Inc.

1 Mound Road

P.O. Box 3030

Miamisburg, OH

45343-3030

MAR 17 2004

ER-016/04

March 17, 2004



CH2MHILL

Ms. Margaret L. Marks, Acting Director
Miamisburg Closure Project
U. S. Department of Energy
500 Capstone Circle
Miamisburg, OH 45342

SUBJECT: Contract No. DE-AC24-03OH20152
Contract Deliverable 039 – PRS Documents
PRS 405 PUBLIC FACT SHEET, PUBLIC REVIEW DRAFT

Dear Ms. Marks:

Danny Punch from your office has approved the release of the following document for public review.

----- • PRS 405 Public Fact Sheet, Public Review Draft -----

This document will begin public review from March 22 to April 22, 2004. Also enclosed is a copy of the ad that will appear in the Dayton Daily News on March 22.

Sincerely,

A handwritten signature in black ink, appearing to read "Monte A. Williams".

Monte A. Williams
Deputy Project Manager, Environmental Restoration

MAW/DAR:jdg

Enclosures

cc: David Seely, USEPA, (1) w/attachments
Mary C. Wojciechowski, Tetra Tech EM, Inc., (1) w/attachments
Brian Nickel, OEPA, (4) w/attachments
Ruth Vandegrift, ODH, (1) w/ attachments
Paul Lucas, DOE/MCP, (1) w/attachments
Danny Punch, DOE/MCP, (1) w/attachments
Lisa Rawls, DOE/MCP, w/o attachments
Randy Tormey, DOE/OH, (1) w/attachments
Dann Bird, MMCIC, (3) w/attachments
Jim Bonfiglio, MESH, (1) w/attachments
John Fulton, CH2M HILL, w/o attachments
Gene Valett, CH2M HILL, w/o attachments
Dave Rakel, CH2M HILL, w/o attachments
Karen Arthur, CH2M HILL, w/o attachments
Monte Williams, CH2M HILL, w/o attachments
Public Reading Room, (4) w/attachments
DCC

MIAMISBURG CLOSURE PROJECT

FACT SHEET

The following document is available
(March 22, 2004) for public information
in the CERCLA Public Reading Room,
305 E. Central Ave., Miamisburg, Ohio.

**PRS 405,
Fact Sheet**

Questions can be referred to
Paul Lucas at
(937) 847-8350 ext. 314

U.S. Department of Energy
U.S. Environmental Protection Agency
Ohio Environmental Protection Agency

PUBLIC FACT SHEET

PRS 405: Soil Contamination – Building 23

This Fact Sheet satisfies the Public Notification requirement set forth in the Contingent Action Memorandum¹.

Background. Potential Release Site (PRS) 405 is located in the west central portion of the site (Figure 1). This location was made a PRS due to the discovery of oil-contaminated soil during excavation for a potable water line in 1994. There is no known historic contamination event, however the location is below the likely maintenance drain point of an overhead fuel oil transfer line.

Characterization. As a follow-up to the discovery of dark-stained soil during excavation for a potable water line about 5 feet north of Building 23, soil characterization analysis was performed. Preliminary field screening indicated the presence of diesel fuel and polychlorinated biphenyls (PCBs). Certified laboratory analyses (considered more reliable than field screening) of two soil samples indicated no PCBs above detection limits of 0.12 ppm. Quantitative laboratory analysis for petroleum hydrocarbons was not pursued, as the presence of fuel oil was accepted as obvious.

The Core Team originally recommended Further Assessment (FA), however based on the above results and consideration of costs for further assessment, the Core Team recommended on July 10, 1997 a Response Action for PRS 405. A **Removal Action (RA)** per the Contingent Action Memo¹ is recommended, with RA COCs being total petroleum hydrocarbons (TPH, Cleanup Objective 105ppm). The Underground Lines (UGL) RA⁴ addresses the radiologically contaminated soil near or within PRS 405. Surface soil in the vicinity of PRS 405 indicated plutonium-238 and thorium-232 above cleanup objectives (risk criteria) as indicated below (pCi/g):

Analyte	Bkgd**	Maximum Detection	Cleanup Objective
Plutonium-238	0.13	110.0	55
Thorium-232 +D	1.4	6.8	2.1

**background soil concentration

The **Work Plan** for the UGL Removal Action² includes the procedures, instructions, and applicable permits and notifications required to

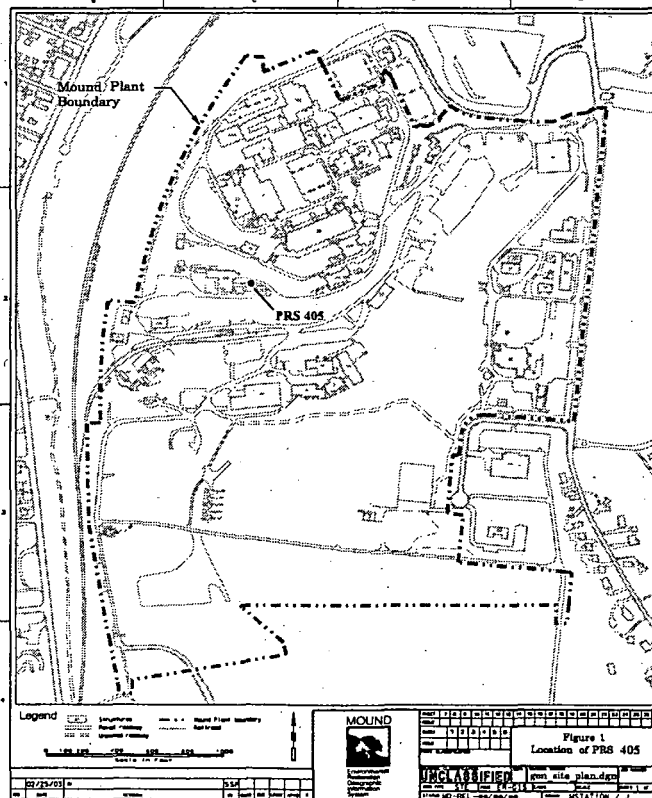
safely conduct the work. Erosion and runoff/runoff controls will be managed per the Storm Water Pollution Prevention Plan³.

The RA will consist of excavation of contaminated soil and shipping this soil to an approved disposal facility. Post-excavation sampling will be performed per the Core Team-approved UGL **Verification Sampling & Analysis Plan (VSAP)**. A summary of the RA & the verification data will be included in the UGL On-Scene Coordinator (OSC) Report. The OSC Report will be placed in the public reading room after the conclusion of the verification sampling and approval by the Core Team.

Schedule. This Fact Sheet will be in public review for 30 days, ending April 22, 2004. The RA is planned to begin Spring 2004.

Excavation of approximately 111 yd³ (85 m³) & verification are expected to cost less than \$40,000.

More information can be found in the public reading room, or by contacting Danny Punch at 847-8350 ext. 301.



1: Action Memorandum/Engineering Evaluation/Cost Analysis, Contingent Removal Action for Contaminated Soil, June 2002, Final

2: UGL Removal Plan, January 2004, Draft

3: Storm Water Pollution Prevention Plan, December 1998, Rev 0

4: Underground Lines Action Memorandum, September 2003, Final