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SM-029/04
April 29, 2004

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

ATTENTION: Paul Lucas

SUBJECT: Contract No. DE-AC24-03OH20152
BUILDING 36 DOCK PUBLIC FACT SHEET, PUBLIC REVIEW DRAFT
Bldg 36 GFS/I: Planning Document Complete - Activity ID EBDEE050AK

REFERENCE: Statement of Work Requirement 055 - Regulator Reports

Dear Ms. Marks:

Paul Lucas from your office has approved the following document to be released for public review:

- Building 36 Dock, Public Fact Sheet, Public Review Draft

The review period will be from 5 May 2004 until 4 June 2004, and the site contractor will respond to any comments received and incorporate the responses into the final document. If you or members of your staff have any questions regarding the document, or if additional support is needed, please contact Bob Ransbottom at 865-4220.

Also attached is a copy of the ad that is scheduled to appear in the Dayton daily News on May 5, 2004.

Sincerely,

K. L. Kehler
SMPP/TFV Project Manager

KLK/DCK

Enclosures

- cc: David Seely, USEPA, (1) w/attachments
 Brian Nickel, OEPA, (4) w/attachments
 Ruth Vandegrift, ODH, (1) w/attachments
 Mary Wojciechowski, Tetra Tech, (1) w/attchs
 Frank Schmaltz, 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

- Public Reading Room, (4) w/attachments
 Kurt Kehler, CH2M Hill, (1) w/attachments
 CERCLA Records, CH2M Hill, (1) w/attchs
 DCC (1) w/attachments
 John Fulton, CH2M Hill, w/o attachments
 Bob Ransbottom, CH2M Hill, w/o attachments
 Dave Rakel, CH2M Hill, w/o attachments
 Val Darnell, CH2M Hill, w/o attachments

MIAMISBURG
LOG H-0 0619
CODE 6444.36

PUBLIC FACT SHEET

Building 36 Dock: Plutonium 238 Contamination

This Fact Sheet is intended to notify the public of the removal of a radiologically contaminated dock from the Miamisburg Closure Project (MCP) site.

Background. The Building 36 Dock was located in the eastern central portion of the site as shown on Figure 1, immediately adjacent to the west side of the former Building 36 (Power Systems Technologies Assembly and Testing Support Facility). The dock measured approximately 10.5 feet by 75 feet. During the Building 36 pre-demolition surveys, radiological contamination above surface release criteria was discovered on the top surface of the dock. The interior and exterior surfaces of Building 36 were also radiologically surveyed, and all surfaces met release criteria. Accordingly, it was believed that the contamination did not originate in Building 36 or as a result of Building 36 processes; it is unknown how the top surface of the dock became contaminated.

Characterization. The top surface of the dock was radiologically surveyed and a number of locations exceeded surface release criteria (which is 100 dpm/100cm²). The location with the highest alpha fixed activity measured 259 dpm/100cm². The locations of the three highest measurements were acid etched and the results showed the presence of plutonium-238 (146 dpm/sample).

Based on the above, the Department of Energy and the Core Team requested that the public be notified of the contamination and its removal.

Actions Taken. The removal of the dock was in accordance with the Building 36 Demolition Work Plan, Rev 4K, 06/25/03 (Appendix O of Final BDP). Erosion and runoff controls were managed in accordance with the Storm Water Pollution Prevention Plan. Following removal of the contaminated dock, the newly exposed portion of the Building 36 exterior wall was radiologically surveyed, and all results met surface release criteria. The fill material located below the dock was radiologically surveyed, and no elevated readings were detected. Three biased surface soil samples were collected from below the former dock location and analyzed onsite for gamma spec. All soil results met the Cleanup Objective; the highest result is shown in the table below (all units pCi/g).

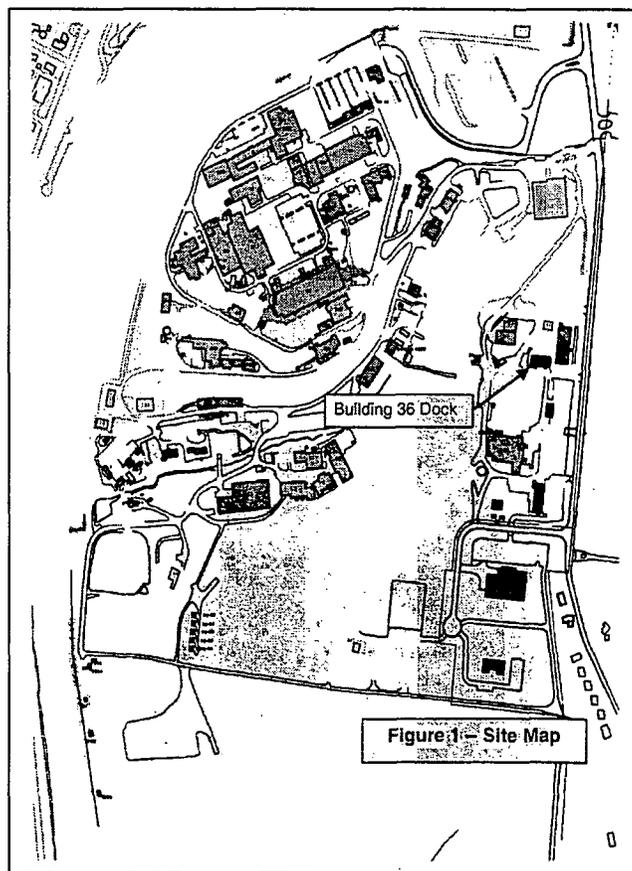
| Analyte | Bkgd* | Maximum Concentration | Cleanup Objective** |
|---------|-------|-----------------------|---------------------|
| Pu-238 | 0.13 | 14.22*** | 55 |

*background soil concentration **risk criteria ***result below MDA

Schedule. This Fact Sheet will be in public review for 30 days, ending June 4, 2004.

Further Actions Planned. To ensure that the soil in the vicinity of the former dock location had not been impacted by the dock contamination, additional soil samples will be collected as prescribed in a Core Team approved sampling plan. The data collected will be included in the Building 36 Closeout Report and the Building 50 Underground Piping and Tank On-Scene Coordinator (OSC) Report. The documents will be placed in the public reading room: the Closeout Report after DOE approval, and the OSC Report after Core Team approval. These data will also be presented to the Core Team to determine the appropriate path forward. If the data indicates results above the cleanup objective, the contaminated soil will be removed under the contingent removal action process and the area will be verified to ensure a complete cleanup. These activities will be conducted under a Core Team approved Removal Work Plan and Verification Sampling and Analysis Plan (VSAP).

Additional information will be made available in the public reading room in the Final Building 36 Building Data Package, or by contacting Frank Schmalz at 847-8350 ext. 304.



MIAMISBURG CLOSURE PROJECT

PUBLIC FACT SHEET

The following document is available
(May 5, 2004) for public information
in the CERCLA Public Reading
Room, 305 E. Central Ave.,
Miamisburg, Ohio.

**Public Fact Sheet
Building 36 Dock:
Plutonium 238 Contamination**

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