

Mound Site Community Involvement Plan

January 2012



U.S. DEPARTMENT OF
ENERGY

Legacy
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Office of Legacy Management

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Appendix A Mound Site Contact List

Abbreviations

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CIP	Community Involvement Plan
DOE	U.S. Department of Energy
EM	Office of Environmental Management
EPA	U.S. Environmental Protection Agency
LM	Office of Legacy Management
LTS&M	Long-Term Surveillance and Maintenance
MDC	Mound Development Corporation (formerly MMCIC)
MESH	Mound Environmental Safety and Health
MMA	Mound Museum Association (see MSEM)
MMCIC	Miamisburg Mound Community Improvement Corporation (see MDC)
MSEM	Mound Science and Energy Museum (formerly MMA)
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NPL	National Priorities List
PRS	Potential Release Site
ROD	Record of Decision
SARA	Superfund Amendments and Reauthorization Act of 1986

1.0 Introduction

This Mound Community Involvement Plan (CIP) documents how the U.S. Department of Energy (DOE) will ensure public involvement in post-closure activities at the Mound Site in Miamisburg, Ohio. The community relations activities follow U.S. Environmental Protection Agency (EPA) and DOE guidance on public participation and comply with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) public participation requirements, as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA). Additional basis documents include the *Work Plan for Environmental Restoration of the DOE Mound Site, the Mound 2000 Approach* (DOE 1999b) and the *DOE-Mound's Land Transfer Process* (DOE 1999a).

The DOE Office of Legacy Management (LM) manages the Mound Site. LM's mission is to effectively and efficiently manage the environmental and human legacy issues related to the U.S. government's Cold War nuclear weapons program for current and future generations.

This CIP provides LM's plans for public involvement and methods of communication after site closure, and will be updated as required. Appendix A, "Mound Site Contact List," will be reviewed at least annually and updated as required.

2.0 Site Description and Background

The Mound Site, formerly known as the Mound Plant, takes its name from a nearby Native American burial mound. The facility is sited on a hill in the center of Miamisburg and is built on approximately 306 acres. Construction of the Mound Plant began in 1946, and the site became operational in 1948. Mound was the nation's first post-war U.S. Atomic Energy Commission site to be constructed and was established to consolidate and continue the polonium-related work being done at the Dayton Units.

Much of the work at the Mound Plant during the Cold War involved the production of the polonium-beryllium initiators used in early atomic weapons, and the manufacture of and research related to radionuclides. In the 1950s, the facility began to manufacture a variety of nuclear weapons parts, including cable assemblies, explosive detonators, and the electronic firing sets that activated them. Work evolved and grew to include stable isotope separation, fossil fuels research, tritium recovery for reuse in weapons, the development of radioisotopic thermoelectric generators used for providing electrical power for space exploration, and other non-nuclear research and development activities. The non-weapons polonium work ended in 1972, and the Mound Plant stopped producing weapons components in 1995.

In 1993, DOE decided to decommission and clean up the Mound Site in accordance with CERCLA. Miamisburg formed the Miamisburg Mound Community Improvement Corporation (MMCIC) to transition the Mound Site for reuse as a technology and industrial park known as the Mound Advanced Technology Center. This organization was renamed to the Mound Development Corporation (MDC) in 2011. DOE has supported the economic development effort with grants totaling approximately \$50 million.

The DOE Office of Environmental Management (EM) followed all regulatory requirements and remediated the site to meet standards for reuse as an industrial-use-only site. Only 14 buildings, 5 magazines, 2 trailers, and 1 metal shed remain of over 128 original structures.

3.0 Regulatory Framework

In response to growing concern about health and environmental risks posed by hazardous waste sites, Congress established the Superfund Program in 1980 and SARA in 1986 to clean up these sites. EPA administers the Superfund Program in cooperation with individual states and tribal governments. The National Priorities List (NPL) is a list of top-priority hazardous waste sites that are eligible for extensive, long-term cleanup under the Federal Superfund Program. EPA placed the Mound Site on the NPL in November 1989 because of chemical contamination in the site groundwater and the site's proximity to a sole source aquifer. All sites under the Superfund Program are regulated by CERCLA, as amended by SARA, and Subpart E of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), found in Title 40, *Code of Federal Regulations*, Part 300.400.

All cleanup activities must satisfy the requirements of CERCLA. In 1995, following the first Record of Decision (ROD) for Operable Unit 1, DOE and its regulators found the traditional CERCLA process to be inefficient because of variations in the site contamination conditions. They developed an alternative approach, the Mound 2000 Process, to make decisions about the environmental restoration of the remainder of the Mound Site. DOE and its regulators used the Mound 2000 Process to address the environmental issues associated with the cleanup and the termination of DOE's remediation activities at the site. This approach, which satisfied the intent of CERCLA, was defined in two documents: the *Work Plan for Environmental Restoration of the DOE Mound Site, the Mound 2000 Approach* (DOE 1999b) and *DOE-Mound's Land Transfer Process* (DOE 1999a).

Under the Mound 2000 Process, DOE and the regulators evaluated each potential release site (PRS) or building separately and used removal-action authority to remediate each location as required. A PRS was an area where knowledge of historical or current use indicated that the site may have had releases of radioactive or hazardous materials. After completing all necessary removal actions in a parcel, DOE performed a Residual Risk Evaluation. DOE then issued a ROD, which specified institutional or engineering controls, such as deed restrictions, to be applied to the parcel. Following completion of the parcel ROD, DOE prepared an Environmental Summary, which documented that DOE had met the requirements of CERCLA 120(h) for the parcel. This summary described the historical uses, PRSs, and residual risk, included a building data package of environmental findings and actions taken, and provided an explanation of other factors considered (e.g., cultural resources, floodplains). The summary also supported a transfer of deed to new ownership for economic development. Although the Mound 2000 process was different from a traditional Remedial Investigation/Feasibility Study under CERCLA, it was consistent with CERCLA and the NCP.

In 2009, DOE reissued a sales contract with MDC that allowed for conveyance of the Mound property by discrete parcels, subject to the CERCLA 120(h) process. After EPA approved a ROD and Environmental Summary for a particular parcel, DOE could transfer the property to MDC via a quitclaim deed. The quitclaim deed contains institutional controls (land use

restrictions) in the form of deed restrictions as required under CERCLA to ensure that the parcel is protective of human health and the environment. To date, Parcels D, H, 3, and 4 and Phase I A, B, and C have been transferred from DOE to MDC (Figure 1). Parcels 6, 7, and 8 have completed the Mound 2000 Process and have been offered to MDC but have not been transferred. Parcel 9 has completed the CERCLA process and will be transferred to MDC.

4.0 Community Profile

Miamisburg is located in southwestern Ohio, approximately 10 miles southwest of Dayton in Montgomery County. The 2000 census figures indicate that 340,000 residents live within a 10-mile radius of the Mound Site. Figure 2 shows Mound's location and proximity to Miamisburg. The name Miamisburg was derived from the Miami Indian tribe that resided there, combining "Miamis" with "burg," which denotes a borough or town. The Great Miami River flows from northeast to southwest through Miamisburg and dominates the geography of the region surrounding the Mound Site. The river valley is highly industrialized, while the rest of the region is a mix of farmland, residential areas, small communities, and light industrial areas. Key interstates and highways—I-75, I-70, and the I-675 corridor—connect near Miamisburg. Universities and other research parks are close by, as well as the Wright Patterson Air Force Base and Dayton International Airport. Major markets, such as Columbus and Cincinnati, are approximately a 1-hour drive away.

5.0 Interested Community Members and Local, City, and State Elected Officials

Many stakeholders and organizations have played an integral role in activities and decisions related to the Mound Site. The primary local organizations representing stakeholders are described below. Appendix A, "Mound Site Contact List," includes contact information.

MDC is a not-for-profit community reuse organization responsible for economic, commercial, and industrial development activities and the management of transitioned assets at Mound. MDC is overseeing the conversion of Mound to a viable industrial park. As such, the MDC has been designated as an agent of the City of Miamisburg for Mound. Although not employed by the City, MDC works closely with the city council.

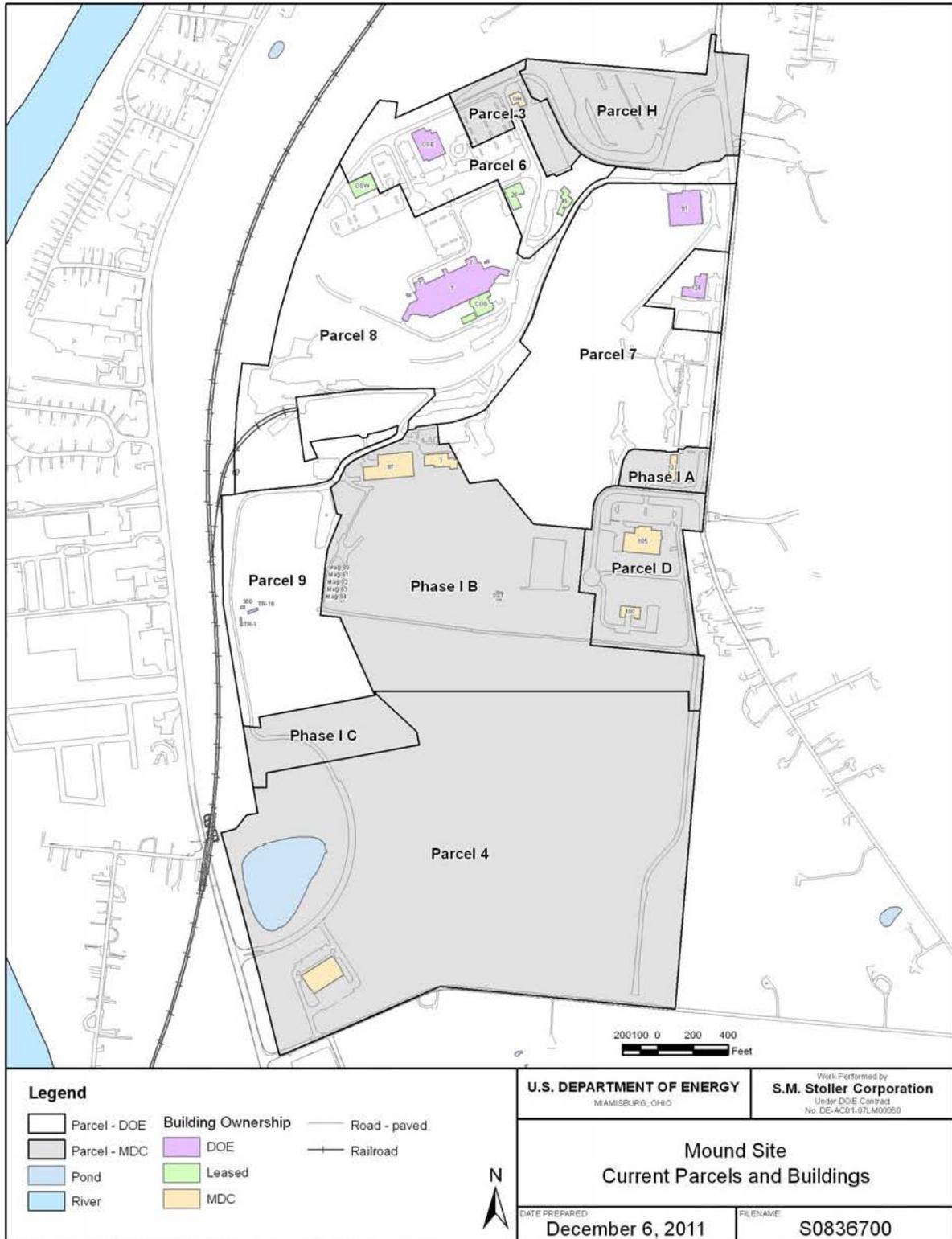


Figure 1. Site Map with Parcel Boundaries



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Figure 2. Location of Mound Site

MESH is a nonprofit organization of citizens concerned with the health and wellbeing of the surrounding community and its future generations. The organization is primarily devoted to environmental protection, safety, and public health issues, and believes in the importance of community involvement in making environmental decisions.

The Mound Science and Energy Museum (MSEM) formerly the Mound Museum Association (MMA) works to preserve the history of the former Mound Plant and to become a local resource for any future inquiries about the site. The historical items in MSEM's possession include various technical publications, photographs, and other Cold War-related artifacts that Mound scientists invented or developed.

Other stakeholders for the Mound Site include:

- Federal agencies, including EPA.
- State governmental agencies, including the Ohio Environmental Protection Agency and the Ohio Department of Health.
- Elected State of Ohio officials.
- Citizens of the city of Miamisburg and Montgomery County.
- Congressional delegations.
- Tenants of the Mound Advanced Technology Center.
- Residents in neighborhoods adjacent to the site.
- Local elementary and secondary schools.
- Environmental organizations.
- Local media.
- Business owners.
- Service organizations.
- Other interested individuals.

6.0 Roles and Responsibilities

LM is responsible for the long-term care of legacy liabilities of former nuclear weapons production sites following completion of the EM cleanup. LM's goals are to:

- Protect human health and the environment through effective and efficient long-term surveillance and maintenance.
- Preserve, protect, and make accessible legacy records and information.
- Support an effective and efficient workforce structured to accomplish DOE missions and ensure contractor worker pension and medical benefits.
- Manage legacy land assets, emphasizing protective real and personal property reuse and disposition.
- Improve program effectiveness through sound management.

LM will monitor the Mound Site for compliance with the requirements outlined in the *Mound Long-Term Surveillance and Maintenance (LTS&M) Plan* (LTS&M Plan) (DOE 2005).

These include:

- All activities necessary to operate and maintain selected remedies that are in effect to protect human health and the environment.
- All engineered and institutional controls designed to contain or to prevent exposure to residual contamination and waste, such as surveillance activities, recordkeeping activities, inspections to evaluate the condition of surface features, and groundwater monitoring.

7.0 Public Participation Activities

LM conducts public participation activities to provide timely information to the public and encourage ongoing two-way communication between DOE and the public about the Mound Site. Contact information for the LM Mound Site is given in Appendix A, “Mound Site Contact List.”

Sections 8.0 through 14.0, below, provide general descriptions of post-closure public participation activities at the site. As DOE activities at the site diminish, there will be a corresponding reduction in topics that warrant communication.

8.0 Meetings

LM provides briefings, workshops, and presentations on site activities in a variety of public forums.

8.1 Public Meetings

LM will hold public meetings as circumstances warrant to address post-closure issues of importance to stakeholders. LM will work with stakeholders to address concerns relating to post-closure operation and maintenance issues. LM will schedule any meetings in conjunction with other Mound meetings, such as MSEM or city council meetings.

8.2 Briefings for Local, State, and Federal Elected Officials

LM will hold briefings with elected officials as needed to discuss new data trends or to evaluate post-ROD changes.

8.3 Meetings with Citizens Groups

LM will work with stakeholder entities to address any community concerns or issues that may arise. The anticipated longevity of existing citizens groups associated with Mound is currently undetermined.

9.0 Administrative Record and Public Reading Room

DOE established a Public Reading Room, which contains documents and information related to Mound as required under Section 117(d) of SARA. Copies of key Mound records, including the CERCLA Administrative Record and Information Repository, are kept in the Public Reading Room. The Administrative Record and Information Repository for Mound are updated as new documents are created, and an index of documents in the complete collections accompanies each update.

The Public Reading Room also contains reference items consisting of technical documents, news clippings, videotapes, journal articles, annual reports, and environmental restoration and decontamination and decommissioning decisional documents. Stakeholders are notified through public notices when a document is available for public comment, and review copies are placed in the Public Reading Room.

The Public Reading Room's address and hours of operation are as follows:

Mound Science and Energy Museum
1075 Mound Road
Miamisburg, OH 45342

Open: Saturday, 9 a.m. to 12 noon

LM will maintain a Web page for the Mound Site at <http://www.lm.doe.gov/Mound/Sites.aspx>.

The website provides a link to electronic copies of the CERCLA Administrative Record, post-closure documents, annual reports, and other key documents associated with the cleanup and remedy.

The website provides a link to the Geospatial Environmental Mapping System that provides site environmental sampling information.

10.0 Site Tours

LM may conduct or participate in site tours to meet public informational needs or as requested by MDC. Tours will be coordinated between MDC and LM.

For information on tours of MDC-owned property at the Mound Advanced Technology Center, contact the MDC representative listed in Appendix A, "Mound Site Contact List."

11.0 Documents for Public Review and Comment

As required by CERCLA regulations, LM will provide opportunities for stakeholders to review and comment on post-closure documents, including Five-Year Reviews. For documents not specified by statutes and regulations, LM will use the consultative process with stakeholders to

address citizens' expectations for involvement in public review and comment. DOE anticipates the number of documents developed post-closure to be minimal. Any documents created will be made known to the public by legal notices and the LM web site.

The LTS&M Plan (DOE 2005) explains how LM will fulfill its surveillance and maintenance obligation at the site. The LTS&M Plan may be accessed at the Mound LM website (<http://www.lm.doe.gov/Mound/Documents.aspx>) or in the Public Reading Room. The LTS&M plan will be updated as conditions change.

11.1 News Releases and Editorials

LM will issue news releases and community advisories to announce public meetings regarding significant post-closure activities. MDC and DOE will provide each other with advance copies of any news releases or community advisories.

11.2 Neighborhood and Tenant Notices

LM will place public notices or announcements in local newspapers as prescribed by CERCLA.

11.3 Fact Sheets

LM will prepare fact sheets as needed to describe LM post-closure activities. These fact sheets will be available to stakeholders and posted on the LM website.

12.0 Public Outreach Presentations

The LM representative or other designated representative will give presentations on Mound as requested.

13.0 Emergency Contacts

LM has established mechanisms with local emergency responders to respond to any environmental emergency that may occur at the site post-closure. The first contacts are expected to be made to with the eventual owners, MDC. However, should the need arise, LM maintains a 24 hour emergency notification number: (877) 695-5322 for emergencies not covered by local emergency responders. LM will make prompt notifications to established points of contact, regulators, and other affected parties if such a situation arises. The LTS&M Plan (DOE 2005) for the site provides additional details on response actions and contingency planning.

14.0 Mailing Lists

LM maintains a database that contains contact information for stakeholders associated with each LM site, and maintains a Mound Site-specific stakeholders list.

15.0 References

DOE (U.S. Department of Energy), 1999a. *DOE-Mound's Land Transfer Process*, Final, December, <http://www.lm.doe.gov/Mound/Documents.aspx>, accessed January 18, 2011.

DOE (U.S. Department of Energy), 1999b. *Work Plan for Environmental Restoration of the DOE Mound Site, the Mound 2000 Approach*, Final, February, <http://www.lm.doe.gov/Mound/Documents.aspx>, accessed January 18, 2011.

DOE (U.S. Department of Energy), 2005. *Mound Long-Term Surveillance and Maintenance (LTS&M) Plan*, September, <http://www.lm.doe.gov/Mound/Documents.aspx>, accessed January 18, 2011.

Appendix A

Mound Site Contact List

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24 hour Monitored Security Telephone Number (877) 695-5322	
U.S. Department of Energy (DOE) DOE Office of Legacy Management	
<p>Jane Powell Office of Legacy Management Mound Site Manager U.S. Department of Energy 10995 Hamilton-Cleves Highway Harrison, OH 45030-9728 (513) 648-3148 E-mail: jane.powell@lm.doe.gov</p>	
U.S. Environmental Protection Agency	Ohio Environmental Protection Agency
<p>Tim Fischer Remedial Project Manager U.S. Environmental Protection Agency 77 West Jackson Boulevard Chicago, IL 60604-3507 (312) 886-5787 E-mail: fischer.timothy@epa.gov</p>	<p>Brian Nickel Remedial Project Manager Ohio Environmental Protection Agency 401 East Fifth Street Dayton, OH 45402-2911 (937) 285-6468 E-mail: brian.nickel@epa.state.ohio.us</p>

Federal Elected Officials	
<p>The Honorable Sherrod Brown Senator 713 Senate Hart Office Building Washington, DC 20510 (202) 224-2315 Fax: (202) 228-6321 E-mail: senator_brown@brown.senate.gov</p>	<p>The Honorable Rob Portman Senator 338 Russell Senate Office Building Washington, DC 20510 (202) 224-3353 E-mail: senator_portman@portman.senate.gov</p>
<p>The Honorable Michael R. Turner Representative, Third District 2454 Rayburn Building Washington, DC 20515 (202) 225-6465 Fax: (202) 225-6754 E-mail: michael.wiehe@mail.house.gov</p>	
<p>The Honorable John Boehner Representative, Eighth District 1011 Longworth H.O.B. Washington, DC 20515 (202) 225-6205 Fax: (202) 225-0704</p>	<p>The Honorable Steve Austria Representative, Seventh District 439 Cannon House Office Building Washington, DC 20515 (202) 225-4324 Fax: (202) 225-1984</p>

Ohio Elected Officials	
<p>The Honorable John R. Kasich Governor Riffe Center, 30th Floor 77 South High Street Columbus, OH 43215-6117 (614) 466-3555 Email: "Contact" webpage</p>	<p>The Honorable Peggy Lehner Senator, Sixth District 1 Capitol Square, Ground Floor Columbus, OH 43215 (614) 466-4538 E-mail: SD06@senate.state.oh.us</p>
<p>The Honorable James Butler Representative, 37th District 77 South High Street Columbus, OH 43215-6111 (614) 644-6008 E-mail: district37@ohr.state.oh.us</p>	

Local Elected Officials	
Miamisburg, Ohio	
<p>Keith D. Johnson City Manager City of Miamisburg 10 North First Street Miamisburg, OH 45342 (937) 847-6458 E-mail: manager@cityofmiamisburg.org</p> <p>Dick Church Jr. Mayor 712 Evans Avenue Miamisburg, OH 45342 (937) 866-2603 E-mail: elected@cityofmiamisburg.org</p>	<p>Miamisburg City Council 10 North First Street Miamisburg, OH 45342 (937) 866-3303</p> <p><i>Members:</i> Dick Church Jr., Mayor Charles Case, Vice Mayor Sarah Clark Ryan Colvin Mike McCabe Tom Nicholas John Stalder Greg Thompson E-mail: elected@cityofmiamisburg.org</p>
Miami Township, Ohio	
<p>Miami Township Government Center 2700 Lyons Road Miamisburg, OH 45342 (937) 433-3426 Fax: (937) 433-8709</p>	<p>Miami Township <i>Trustees:</i> Charles Lewis Mike Nolan Deborah Preston</p>
Montgomery County, Ohio	
<p>Montgomery County 451 West Third Street, 11th Floor P.O. Box 972 Dayton, OH 45422 (937) 225-4690</p>	<p>Montgomery County <i>Commissioners:</i> Judy Dodge Deborah A. Lieberman Dan Foley</p>

Other Stakeholders	
<p>Mound Development Corporation (MDC) Mike J. Grauwelman President P.O. Box 232 Miamisburg, OH 45343-0232 (937) 865-4462 E-mail: mikeg@mound.com Website: mound.com</p>	<p>City of Miamisburg Ellen Stanifer Environmental Coordinator City of Miamisburg 600 North Main Street Miamisburg, OH 45343 (937) 847-6636 E-mail: ellen.stanifer@cityofmiamisburg.com</p>
<p>Mound Science and Energy Museum (MSEM) 1075 Mound Road Miamisburg, OH 45342-6714 (937) 353-4457 Email: msern01@clearwire.net Website: moundmuseum.com</p> <p>Mr. Richard Flitcraft President E-mail: rfk2@aol.com</p> <p>Mr. Paul Lamberger Vice President E-mail: plamberger@woh.rr.com</p>	<p>Mound Environmental Safety and Health (MESH) Sharon Cowdrey President 5491 Weidner Road Springboro, OH 45066 E-mail: sharon.cowdrey@sbcglobal.net</p>

Site Contractor	
<p>Mound Site Bill Hertel S. M. Stoller Corporation 10995 Hamilton-Cleves Highway Harrison, OH 45030-9728 (513) 648-3894 Email: bill.hertel@lm.doe.gov</p>	<p>Mound Site Public Affairs S. M. Stoller Corporation 10995 Hamilton-Cleves Highway Harrison, OH 45030-9728 (513) 648-5051 Email: Mound.PublicRelations@lm.doe.gov</p>

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