780703-1203260001

DOE–LM/1405–2007

Mound Site
Community Involvement Plan (CIP)

U.S. Department of Energy

Office of Legacy Management

Work Performed Under DOE Contract No. DE–AC01–02GJ79491
for the U.S. Department of Energy Office of Legacy Management.
Approved for public release; distribution is unlimited.

DOE−LM/1405-2007

Office of Legacy Management

Mound Site
Community Involvement Plan (CIP)

January 2007

Work Performed by S.M. Stoller Corporation under DOE Contract No. DE–AC01–02GJ79491
for the U.S. Department of Energy Office of Legacy Management Grand Junction, Colorado

Contents

1.0 Introduction 1
2.0 Site Description and Background 1
3.0 Regulatory Framework 2
4.0 Community Profile 3
5.0 Roles and Responsibilities 6
6.0 Public Participation Activities 7
7.0 Meetings 7
7.1 Public Meetings 7
7.2 Briefings for Local, State, and Federal Elected Officials 7
7.3 Meetings with Citizens Groups 7
8.0 Administrative Record and Public Reading Room 8
9.0 Site Tours 8
10.0 Documents for Public Review and Comment 8
10.1 News Releases and Editorials 9
10.2 Neighborhood and Tenant Notices 9
10.3 Fact Sheets 9
11.0 Public Outreach Presentations 9
12.0 Emergency Contacts 9
13.0 Mailing Lists 9
14.0 References 10

Figures

Figure 1. Site Map with Parcel Boundaries 4
Figure 2. Location of Mound Site 5

Appendix

Appendix A Mound Site Contact List

End of current text

Acronyms

CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DOE	U.S. Department of Energy
EM	Office of Environmental Management
EPA	U.S. Environmental Protection Agency
ODH	Ohio Department of Health
LM	Office of Legacy Management
LTS&M	Long-Term Surveillance and Maintenance
MESH	Mound Environmental Safety and Health
MMA	Mound Museum Association
MMCIC	Miamisburg Mound Community Improvement Corporation
MRC	Mound Reuse Committee
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NPL	National Priorities List
ROD	Record of Decision
SARA	Superfund Amendments and Reauthorization Act of 1986

End of current text

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 Land Transfer Process* (DOE 1999a) documents.

The Mound Site is managed by DOE Office of Legacy Management (LM). 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 Plan, which provides LM's plans for public involvement and methods of communication after site closure, will be updated as required. Appendix A, 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, Ohio, 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 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 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, developing 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 (MATC). DOE has supported the economic development effort with grants totaling approximately $50 million.

By the completion of the DOE Office of Environmental Management (EM) cleanup, the site will have undergone environmental remediation and met all regulatory requirements. All facilities will either be demolished or transitioned, and the site will continue as an industrial use only site.

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 ground water 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 40 *U.S. 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 OU1, DOE and its regulators found the traditional CERCLA process to be inefficient because of variations in the site contamination conditions. Therefore, they developed the alternative approach, the Mound 2000 Process, to make decisions about the environmental restoration of the remainder of the Mound Site. DOE and its regulators use 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 satisfies the intent of CERCLA and is further defined in two documents: the *Work Plan for Environmental Restoration of the DOE Mound Site, the Mound 2000 Approach* (DOE 1999b) and the *Mound Land Transfer Process* (DOE 1999a).

Under the Mound 2000 Process, DOE and the regulators evaluate each Potential Release Site (PRS) or building separately and use removal action authority to remediate each location as required. A Potential Release Site is an area where knowledge of historic or current use indicates that the site may have had releases of radioactive and/or hazardous materials. After completing all necessary removal actions for a specific area or parcel, DOE performs a Residual Risk Evaluation. DOE then issues a ROD for that parcel that allows the site to be de-listed from the NPL. The ROD specifies institutional or engineering controls, such as deed restrictions, to be applied to the parcel. Following completion of the parcel ROD, DOE prepares an Environmental Summary, which documents that DOE has met the requirements of CERCLA 120(h) for the parcel. This summary provides a brief description of the historical uses, Potential Release Site, and residual risk; includes a building data package of environmental findings and actions taken; and provides an explanation of other factors considered (e.g., cultural resources or floodplains). The summary also supports a transfer of deed to new ownership for economic development. Although the process is different from a traditional Remedial Investigation/Feasibility Study under CERCLA, it is consistent with CERCLA and the NCP.

In 1998, DOE established a sales contract with MMCIC that allows for conveyance of the Mound property by discrete parcels, subject to the CERCLA 120(h) process. After a ROD and Environmental Summary have been approved for a particular parcel and approval given from the

EPA, DOE can transfer the property to the MMCIC via a quitclaim deed. The quitclaim deed also contains or refers to 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, four parcels (i.e., Parcels D, H, 3, and 4) have been transferred from DOE to MMCIC (Figure 1).

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 within a 10-mile radius of the Mound Site there are 340,000 residents. Figure 2 shows a location map of Mound and relative location 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 industry. 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 one hour by car.

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

Many stakeholders and organizations have played an integral role in activities and decisions related to Mound. The primary local organizations representing stakeholders are listed below. Contact information is located in Appendix A, Contact List.

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

The **Mound Reuse Committee (MRC)** was chartered by the City of Miamisburg and its members include City Council members, Ohio EPA, Mound Environmental Safety and Health (MESH), MMCIC, and county employees. DOE and Stoller Corporation (DOE contractor) representatives generally attend the meetings. The committee convenes monthly and the public is invited to attend.

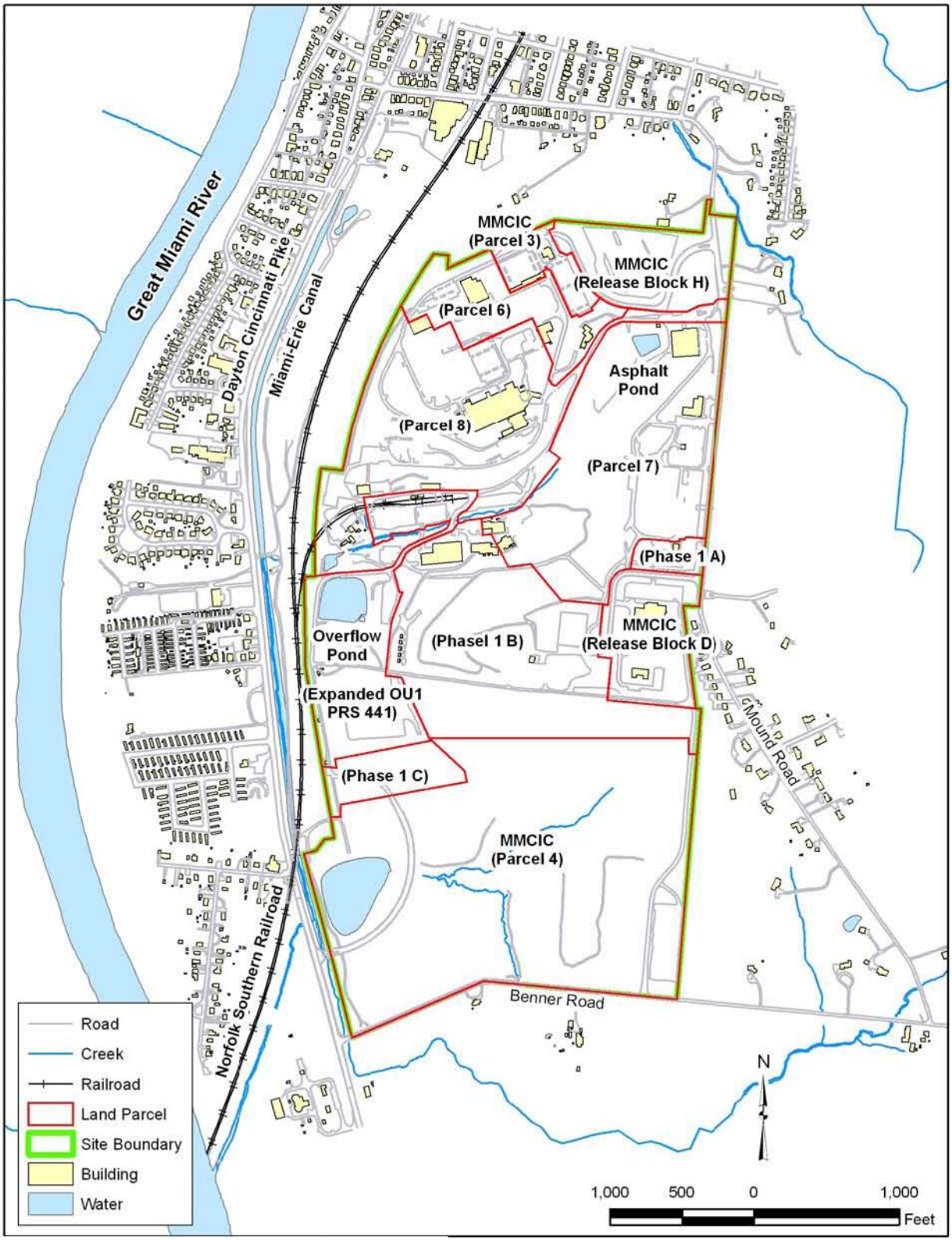

Figure 1. Site Map with Parcel Boundaries

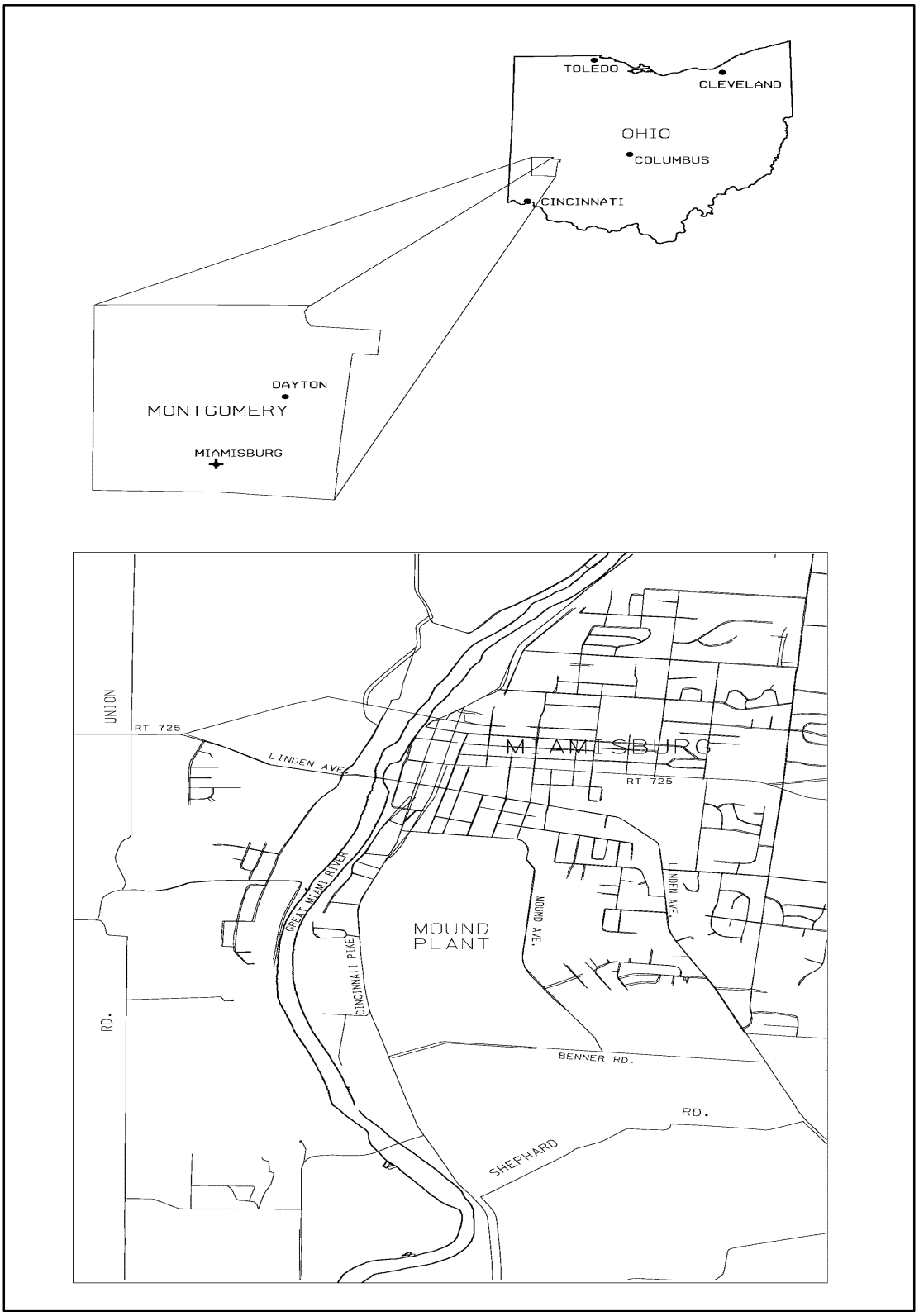

Figure 2. Location of Mound Site

The **MESH** is a non-profit citizen organization concerned with the health and well being of the surrounding community and its future generations. The organization is primarily devoted to environmental protection, safety, and public health issues. They believe in the importance of community involvement in environmental decision-making.

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 the association's possession include various technical publications, photographs, and other Cold War-related artifacts that were invented or developed by Mound scientists.

Other stakeholders for the Mound Site include:

- Federal agencies, including EPA.
- State governmental agencies, including Ohio EPA and Ohio Department of Health.
- Elected State of Ohio officials.
- Citizens of the City of Miamisburg and Montgomery County.
- Congressional delegations.
- Tenants of 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.
- Manage legacy land and assets, emphasizing safety, reuse, and disposition.
- Mitigate community impacts resulting from the cleanup of legacy waste and changing DOE missions.
- Administer retiree benefit plans for former contractor employees.
- Manage site records.

LM will monitor the Mound Site for compliance with the requirements outlined in the *Mound Long-Term Surveillance and Maintenance (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, record-keeping activities, inspections to evaluate the condition of surface features and ground water 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, Contact List. The following are 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 annually or as circumstances dictate to address post closure issues of importance to stakeholders. LM will work with stakeholders to address concerns relating to post-closure Operation & Maintenance (O&M) issues. LM will schedule meetings in conjunction with other Mound meetings such as the MRC, MMA 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 the evaluation of post-ROD changes.

8.3 Meetings with Citizens Groups

LM will work with stakeholder entities to address community concerns or issues that arise after the surveillance and maintenance responsibility transfers to LM. 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 reading room.

The reading room address and hours of operation are:

Mound View Legacy Building
955 Mound Road
Miamisburg, OH 45342
Hours: Monday-Thursday 8 a.m. - 5 p.m.
Closed Friday, Saturday, Sunday, Holidays

LM will maintain a web page for the Mound Site
http://www.lm.doe.gov/land/sites/oh/mound/mound.htm

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 (GEMS) 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 MMCIC. Tours will be coordinated between MMCIC and LM

For information on tours of MMCIC-owned property at the Mound Advanced Technology Center, contact the MMCIC individual listed in Appendix A, 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 5-year reviews. For documents not specified

by statutes and regulations, LM will use the consultative process with stakeholders to address citizen expectations for involvement in public review and comment. DOE anticipates the number of documents developed post closure to be minimal.

The *Mound Site 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/land/sites/oh/mound/mound.htm or in the Reading Room.

11.1 News Releases and Editorials

LM will issue news releases and/or community advisories to announce public meetings regarding LM documents or significant post closure activities. MMCIC 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 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

LM is evaluating the need for a local staff person(s) to remain at the site post closure. This on-site staff person, or an off-site LM representative, would 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. LM will make prompt notifications to established points of contact, regulators, and other affected parties if such a situation arises. The LTS&M Plan for the site provides additional details on response actions and contingency planning.

14.0 Mailing Lists

LM maintains a contacts database of all stakeholders associated with any 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.

DOE (U.S. Department of Energy), 1999b. *Work Plan for Environmental Restoration of the DOE Mound Site, the Mound 2000 Approach*, Final, February, available on the DOE-LM Mound website: http://12.17.223.12/mound_docs/1505XXXXXX-9902220003.pdf (accessed January 4, 2007). This document is available through the CERCLA AR Link on the LM Mound website.

DOE (U.S. Department of Energy), 2005. *Mound Long-Term Surveillance and Maintenance (LTS&M) Plan*, September, available on the LM-Mound website: http://www.lm.doe.gov/documents/sites/oh/mound/pdf/Post/LongTermStewardship&MaintPlan/LTS&MPlanVol1.pdf (accessed January 4, 2007).

Appendix A

Mound Site Contact List

U.S. Department of Energy (DOE) Office of Legacy Management (LM)	
Art Kleinrath, Site Manager Office of Legacy Management U.S. Department of Energy 955 Mound Road Miamisburg, OH 45342 (937) 847-8350 Extension 318 or 300 Email: art.kleinrath@gjolm.doe.gov	Sue Walpole, Community Relations S. M. Stoller Corporation 955 Mound Road Miamisburg, OH 45342 Cell: 513-600-5292 937-847-8350 X312 Email: Sue.walpole@lm.doe.gov or Mound.PublicRelations@lm.doe.gov
U.S. Environmental Protection Agency	**Ohio Environmental Protection Agency**
Tim Fischer Remedial Project Manager U.S. Environmental Protection Agency 77 W. Jackson Blvd. Chicago, IL 60604-3507 (312) 886-5787 Email: fischer.timothy@epa.gov	Brian Nickel Remedial Project Manager Ohio Environmental Protection Agency 401 East 5th Street Dayton, OH 45402-2911 (937) 285-6468 Email: brian.nickel@epa.state.ohio.us

Federal Elected Officials	
The Honorable Sherrod Brown Senator United States Senate Washington, DC 20510 Fax (202) 228-4061 Email: senator_brown@brown.senate.gov	The Honorable George V. Voinovich Senator United States Senate 524 Hart Senate Office Building Washington, DC 20510 (202) 224-3353 Email: senator_voinovich@voinovich.senate.gov
The Honorable Michael R. Turner Representative U.S. House of Representatives 1740 Longworth House Office Building Washington, DC 20515-3503 (202) 225-6465 Email: michael.wiehe@mail.house.gov 3rd District of Ohio	The Honorable Dave Hobson Representative U. S. House of Representatives 5 West North Street, Ste 200 PO Box 269 Springfield, OH 45501 937-325-0474 Fax 202-225-1984 7th District of Ohio
The Honorable John Boehner Representative U. S. House of Representatives 7969 Cincinnati Dayton Road West Chester, OH 45069 513-779-5400 513-779-5315 fax 8th District of Ohio	

Ohio Elected Officials	
The Honorable Ted Strickland Governor of Ohio 77 S. High Street, 30th Floor Columbus, OH 43215-6117 Fax (614) 728-4900	The Honorable Jeff Jacobson Senator Ohio Senate, District 6 Senate Building, Room #129 Columbus, OH 43215 (614) 466-4538 Email: jjacobso@mailr.sen.state.oh.us
The Honorable Jon Husted Representative Ohio House of Representatives, District 37 77 S. High Street Columbus, OH 43215-6111 (614) 644-6008 Email: district37@ohr.state.oh.us	

Local Elected Officials	
Miamisburg, Ohio	
William H. Nelson, Jr. (2/5/07) City Manager City of Miamisburg 10 North First Street Miamisburg, OH 45342 (937) 847-6458 Email: manager@cityofmiamisburg.org	Mayor Richard Church, Jr. City Council Members: Lisa Hughes Dr. Jane Chance John Stalder Bob Faulkner Tom Nicholas Darin Preston Mady Ransdell Email: elected@cityofmiamisburg.org
Miami Township, Ohio	
Miami Township Government Center 2700 Lyons Road Miamisburg, OH 45342 937-433-9969 Fax 937-433-8709	Miami Township Trustees: Dave Coffey Charles Lewis Deborah Preston Miami Township Fiscal Officer: Judy Osborne
Montgomery County, Ohio	
Montgomery County, Ohio Commission 451 West Third Street, 11th Floor P. O. Box 972 Dayton, OH 45422 937-225-4690 Fax 937-496-7723	Montgomery County Commissioners Dan Foley Deborah A. Lieberman Judy Dodge

Other Stakeholders	
Miamisburg Mound Community Improvement Corporation (MMCIC) Mike J. Grauwelman President P.O. Box 232 Miamisburg, OH 45343-0232 (937) 865-4462	**Mound Reuse Committee (MRC)** Dale Bishop Erik Collins Sharon Cowdrey Bob Faulkner Lee Hieronymus Stephen Lake Julia Maxton Mike McCabe Beth Moore Tom Nicholas Brian Nickel John Weithofer Pete Woodward
Mound Environmental Safety and Health (MESH) Sharon Cowdrey President 5491 Weidner Road Springboro, OH 45066 (937) 748-4757 sharon.cowdrey@sbcglobal.net	Mound Museum Association (MMA) Dr. Frank Lonadier, President Mound Advanced Technology Center 500 Mound Road Miamisburg, OH 45342-6714 moundmuseum1@sbcglobal.net 937-847-2610 Dr. Japnell Braun, Vice President (937) 433-8311

End of current text