

# Community Meeting

September 5, 2007



# Fernald Preserve

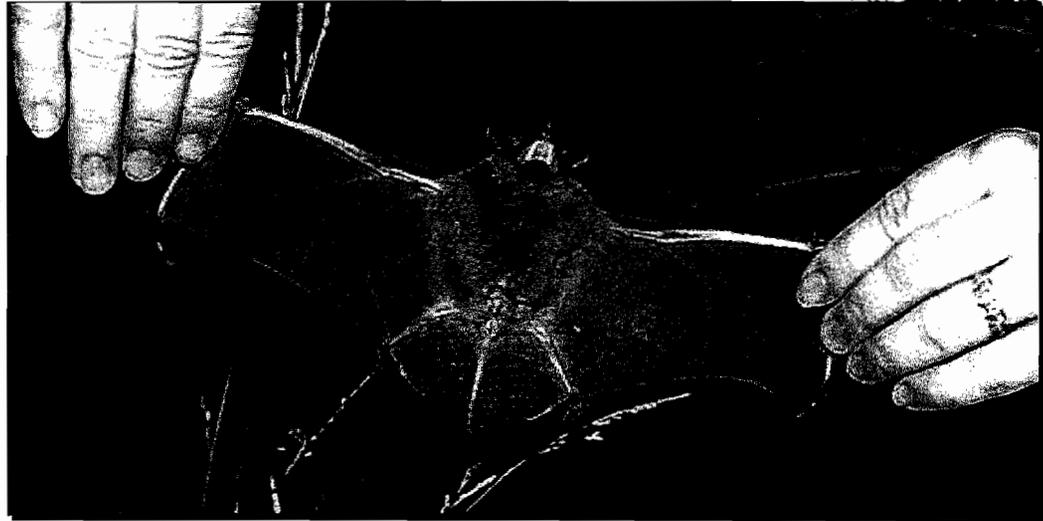


8596.1 9/07

*The fourth quarterly Legacy Management Community Meeting was held on September 5, 2007, at the Ross Fire House. Approximately 20 people attended the meeting for information related to the ecological restoration process at the Fernald Preserve.*

# Nature Nook

## Big Brown Bat *Eptesicus fuscus*



- Relatively large bat 4–5 inches long weighing one-half to five-eighths of an ounce
- Fur is moderately long, and shiny brown
- Wing membranes, ears, feet, and face are dark brown to blackish in color
- Roosting during the day in hollow trees, beneath loose tree bark, in the crevices of rocks or man-made structures like the Paddys Run train trestle



8596.2 9/07

*A regular feature of the community meetings is the Nature Nook which highlights a flora or fauna that inhabits the Fernald Preserve.*

# Fernald Preserve



**As a community asset, the Fernald Preserve will foster wildlife habitat and provide educational opportunities through environmental stewardship.**



8596.3 9/07



*The Fernald Preserve continues the slow transformation from a recently-remediated uranium-metal production facility to a nature preserve as vegetation grows.*

# Worker Health and Safety



<b>OSHA Recordables</b>			
<b>Fernald</b>	<b>DOE Complex</b>	<b>LM</b>	<b>Industry</b>
<b>0.0</b>	<b>1.6</b>	<b>1.6</b>	<b>4.8</b>

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<b>Fernald Preserve</b>		
<b>Lost time</b>	<b>First aid</b>	<b>Recordables</b>
<b>0</b>	<b>1</b>	<b>0</b>



8596.4 9/07



*The Fernald Preserve safety performance has been outstanding with zero OSHA recordables, lost-time accidents, or first-aid cases. This safety record continues to exceed national industry standards.*

# Records Management Update



**Karen Hatch**

DOE/LM Program Analyst, Ohio Sites



8596.5 9/07



*One of Legacy Management's goals is to preserve, protect, and make accessible legacy records and information.*

# Records Mission



**Preserving, protecting, and making accessible legacy records and information.**

- Encryption of personally identifiable information
- Timely responses to internal and external requests
- Performing work in a safe, efficient, and effective manner



8596.6 9/07



*The records goal is guided by the protection of personally identifiable information.*

# Records Management Activities



Records transferred from the U.S. Department of Energy (DOE) Office of Environmental Management (EM) and its contractors to DOE Office of Legacy Management (LM).

Prime contractors:

1951–1985	National Lead of Ohio
1986–1992	Westinghouse Electric Corporation
1992–2006	Fluor Fernald



8596.7 9/07



*Records maintained on Fernald activities include information from the construction of the site, production years, cleanup, and ongoing legacy monitoring.*

# Records Management Activities



## Records Management Responsibilities from EM to LM:

- Transfer custodianship of active and inactive records
- Transfer responsibility for the management of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Administrative Record
- Transfer responsibility for processing Freedom of Information Act (FOIA) and Privacy Act (PA) requests
- Transfer responsibility for processing records requests to support the Energy Employees Occupational Illness Compensation Program Act (EEOICPA)
- Transfer responsibilities for overall management and control of site records



8596.8 9/07



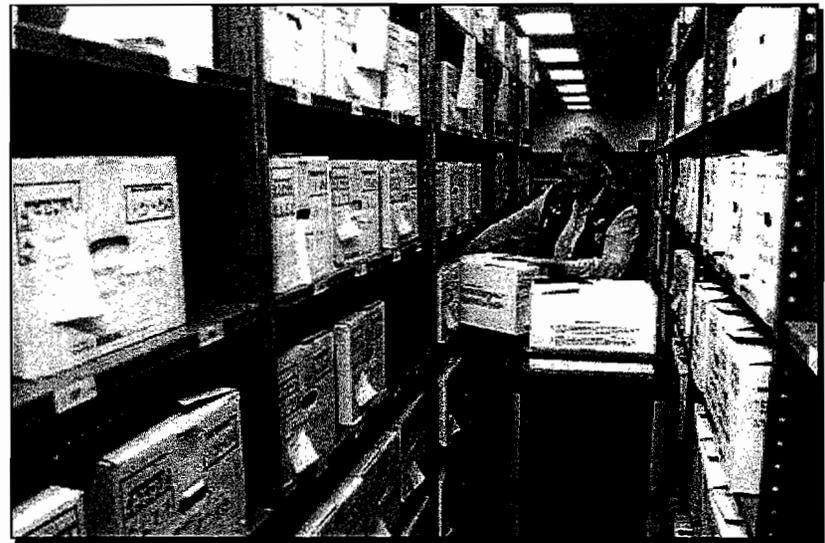
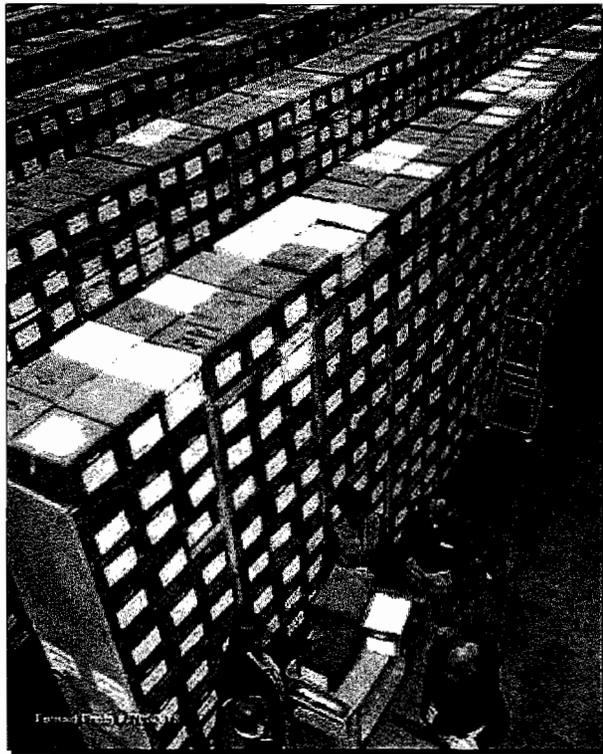
*The Fernald site officially transferred from the U.S. Department of Energy's Environmental Management organization (cleanup) to Legacy Management (monitoring) in October 2006.*

*Individuals requesting records related to themselves would submit a records request via the Privacy Act. Individuals requesting records on former workers would make a Freedom of Information Act request.*

# Records Management Activities



- Accepted custody of nearly 25,700 cubic feet of records



8596.9 9/07



*Many paper records have been scanned and are now available electronically.*

# Records Management Activities

- Built a knowledgeable team from multiple sites with 44 years of combined work experience
- Integrated search tools for information requests



8596.10 9/07



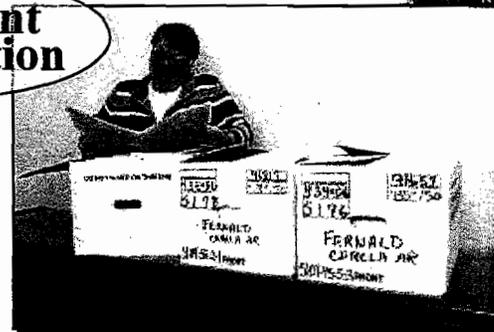
*The current records work force includes staff from both the Mound and Fernald records departments. Many of these individuals worked at these sites during the cleanup phases and have an enormous wealth of knowledge.*

# Records Management Activities

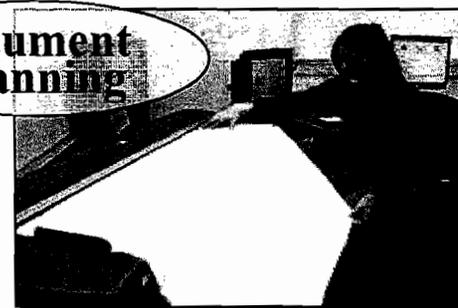
## Fernald Preserve

- Digitized 222 cubic feet of CERCLA Administrative Record (AR) one month ahead of schedule
- The CERCLA AR is a living document that requires continual maintenance and digitizing of new records
- Digitizing
  - Dosimetry records
  - “Telling the story of Fernald”

Document Preparation



Document Scanning



Public Access



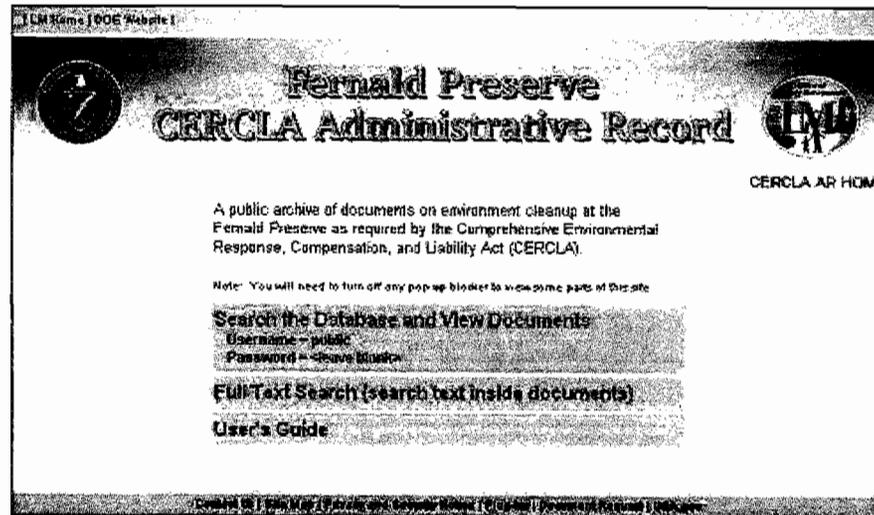
8596.11 9/07

*The need to digitize paper-based dosimetry records was identified as a priority. These records were being accessed frequently, raising concerns they could become damaged. Digitized records provide an added benefit of full-text search capability.*

# Records Management Activities



- Website available to the public May 2007
- <http://cercla.lm.doe.gov>
- Online searchable database
- Electronic backup to archived paper documents
- Standard printable file format



8596.12 9/07

*This website allows interested parties to search the database and view images of documents contained in the CERCLA AR collections.*

# Records Management Activities



- EEOICPA support
- Retrieve records for the Department of Labor
- Contractor staff search for documents
- Document digitization
- Image indexing
- Completed 725 EEOICPA claims since October 2006



8596.13 9/07

*Legacy Management assumed responsibility for retrieving EEOICPA-related records beginning September 12, 2006. Legacy Management's goal is to provide responses to inquiries within 30 days of receipt of the request.*

# Records Management Activities



- Consolidated search tools to provide a single database to locate documents
- Converted forms to electronic formats
- Digitized documents for quicker response to requests



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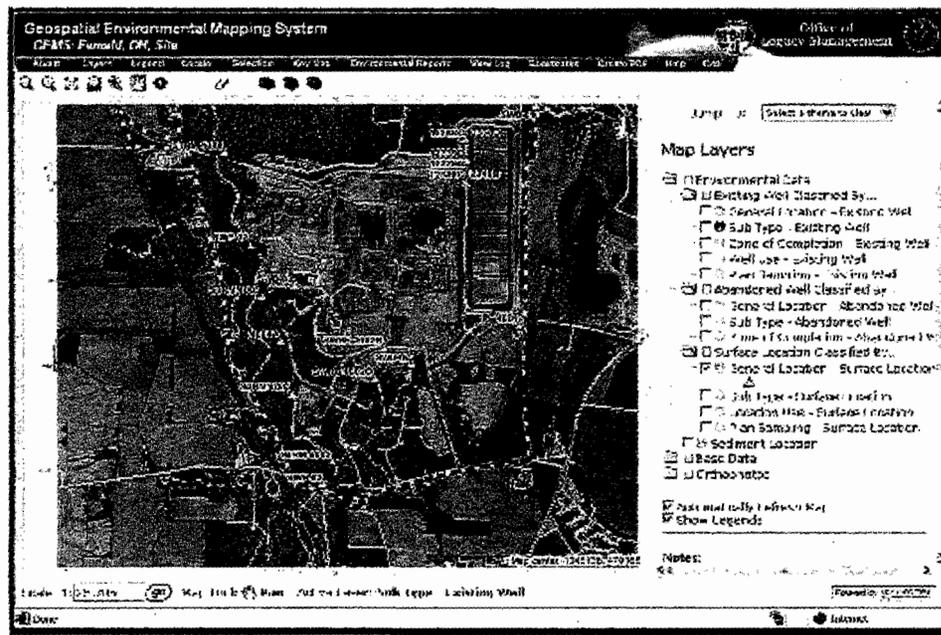


*Legacy Management is continually considering the use of technology and process improvements to enhance the thoroughness and timeliness of responses.*

# GEMS

## Geospatial Environmental Mapping System

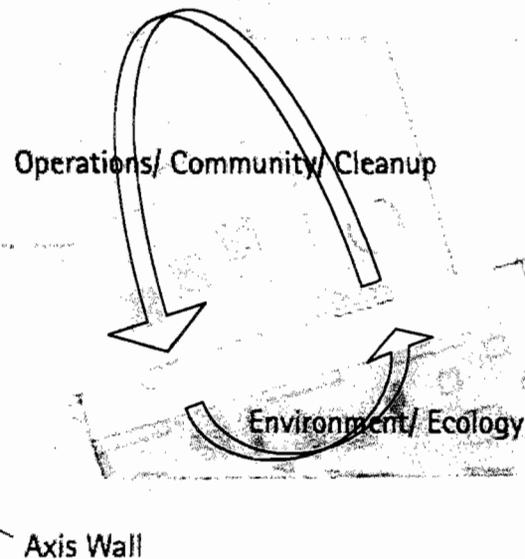
- Dynamic mapping of environmental data
- Environmental reports
- Water-quality and water-level data



8596.15 9/07

*GEMS has proven to be a powerful resource for regulators and individuals looking for monitoring data from the numerous Legacy Management sites.*

# Visitors Center



## Revolution:

The primary circulation path through the building references the angle of the sun on the summer solstice in alignment with the On-Site Disposal Facility.

A 35-foot wall will activate this axis within the Visitors Center and act as both threshold and mediator for the exhibit experience.

The exhibition story begins south of this wall at the entry with a look at Fernald "now" and continues north of the wall in a chronological sequence beginning with the construction of Fernald in 1951 until the cleanup of the site in 2006.

Exit from these exhibits through the axis wall back to the Fernald "now" exhibits frames the history of Fernald and completes the revolution.

## John E. Hancock

Associate Dean  
Professor of Architecture  
College of Design, Architecture, Art and Planning



**Exhibit Conceptual Design** University of Cincinnati [DAAP]



8596.16 9/07

*The Fernald Preserve is planning to convert an existing warehouse into a visitors center. Jim Erickson will manage the Visitors Center project for the S.M. Stoller Corporation, the primary support contractor for DOE's Office of Legacy Management. The University of Cincinnati's College of Design, Architecture, Art and Planning has been hired to assist with the museum in the Visitors Center.*

# Visitors Center



## Day in the Life:

This narrative-driven approach integrates a highly interactive environment with immersive role-playing to enhance the visitor experience.

Personal stories and accounts within every exhibit keep the take-home concept focused on the individual and personal histories of Fernald.

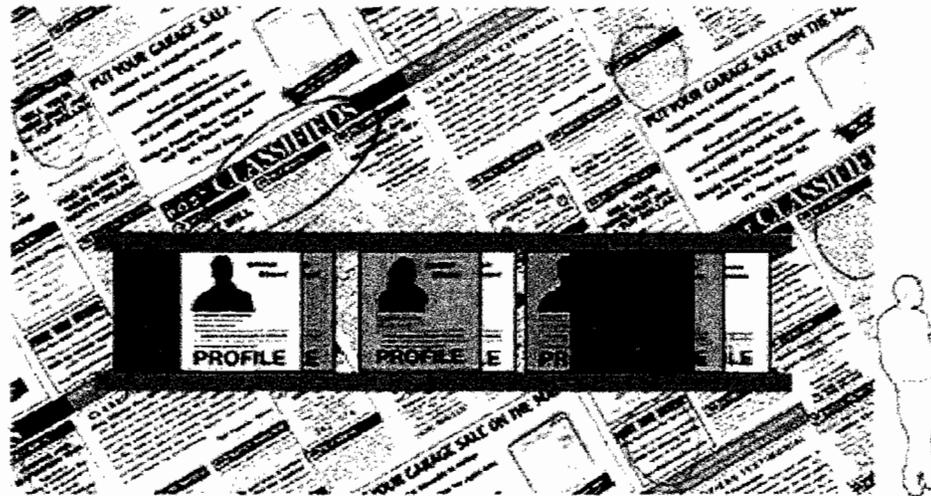


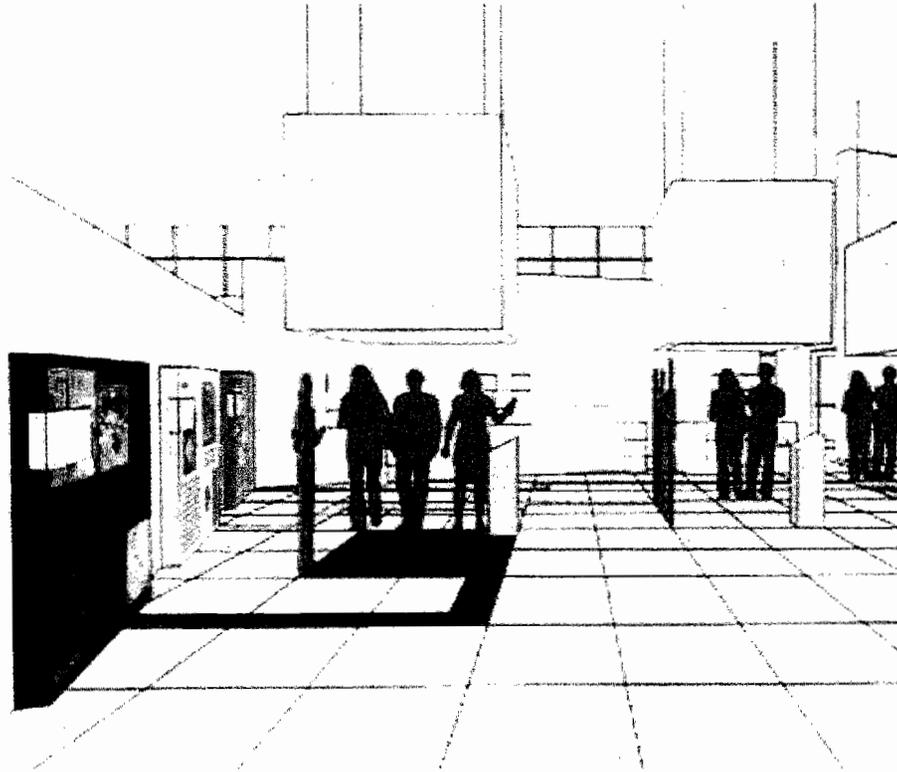
Exhibit Conceptual Design University of Cincinnati [DAAP]



8596.17 9/07

*The Visitors Center will include interactive displays that depict the experiences and accounts of various Fernald employees.*

# Visitors Center



## Cubic Yard:

The amount of cleanup waste in the On-Site Disposal Facility (OSDF) was equal to the volume of two Empire State Buildings, or 2.9 million cubic yards.

This inconceivable number became a datum for the organization of the exhibits throughout the Visitors Center.

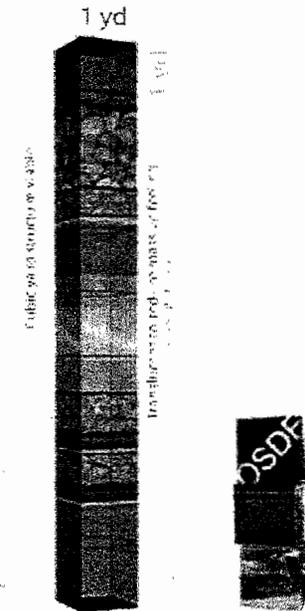


Exhibit Conceptual Design University of Cincinnati [DAAP]

8596.18 9/07



*To provide the visitor with a frame of reference, the museum will use the cubic yard as a reference point.*

# Visitors Center



## Silhouettes:

As a reminder that the actions of a few can make a big difference, silhouettes of human figures are placed throughout the exhibits to tell the story of collective efforts throughout the history of the site.

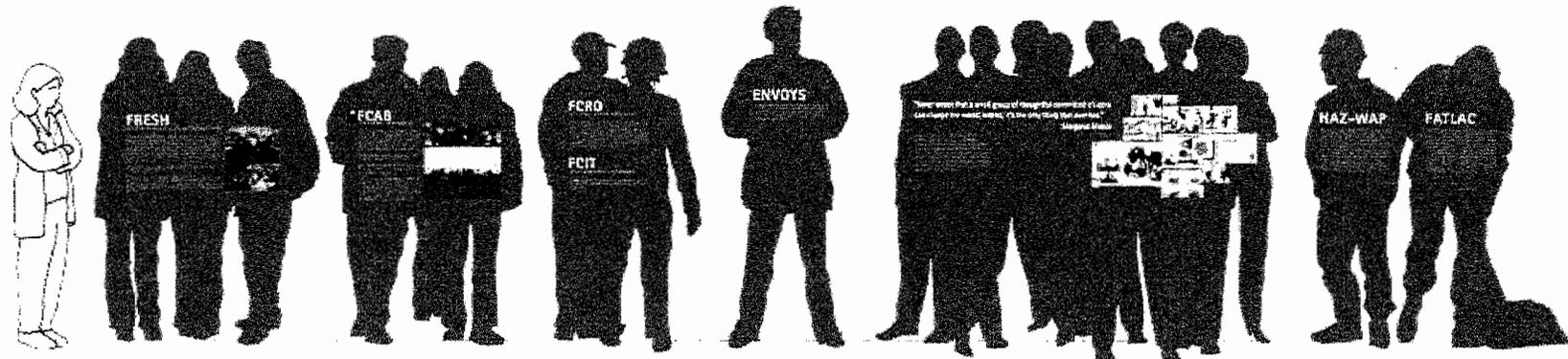


Exhibit Conceptual Design University of Cincinnati [DAAP]



8596.19 9/07

*Silhouettes of human figures will be placed throughout the museum exhibits to help in the telling of the Fernald story.*

# Community Relations



## Sue Walpole

S.M. Stoller, Community Relations Manager

- **Information requests** (June–August)
  - 20 Freedom of Information Act (FOIA)
  - 23 Privacy Act (PA)
  - 43 National Institute of Occupational Safety and Health (NIOSH)
  - 36 Employment verifications
  - 75 Part E, Energy Employees Occupational Illness Compensation Program Act (EEOICPA)
- **Public interaction** (June–August)
  - Open House: 800+ people
  - 20 Tours: 151 people
  - Speakers' bureau: 105 people



8596.20 9/07



*Site public affairs personnel report on public contacts, requests for information, and the availability of new documents during each quarterly meeting.*

# What's Next?



## 90 Day Forecast (September–November)

- **Visitors Center**
  - Work continues
- **Restoration**
  - Waste Pits erosion repair
  - Tree trimming along utility corridor
  - Quarterly site and On-Site Disposal Facility inspections
- **FY08 site scope**



8596.21 9/07



*Work priorities at the Fernald Preserve for the next 3 months will include monitoring and inspection of the site's On-Site Disposal Facility (OSDF).*

# Community Meeting



# Your turn



8596.22 9/07



*Public comments and suggestions solicited during this meeting included kudos for the restoration efforts at the Fernald Preserve and an update by a member of the public on a proposed drag strip that could be built near the Fernald property.*

# Community Meeting

**Join us:**

**December 5, 2007**

**6:30 p.m.**

**Crosby Township  
Community Center**



**Jane Powell**

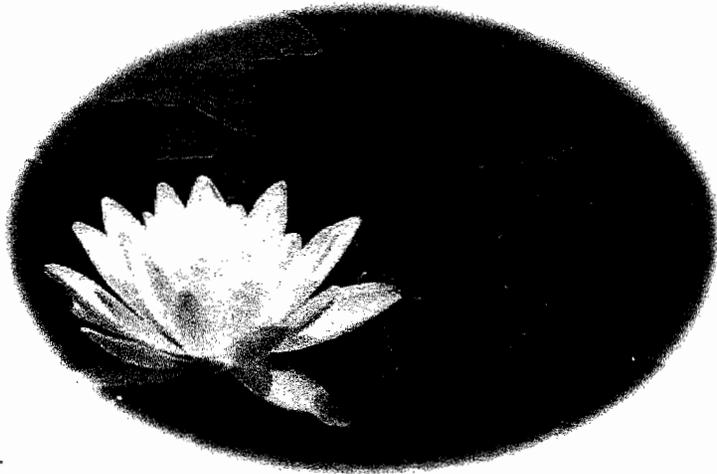
DOE-LM Fernald Preserve Manager  
(513) 648-3148  
jane.powell@LM.doe.gov

**Sue Walpole**

S.M. Stoller Community Relations  
(513) 648-4026  
sue.walpole@LM.doe.gov

**General**

(513) 648-6000  
fernald@LM.doe.gov  
www.LM.doe.gov



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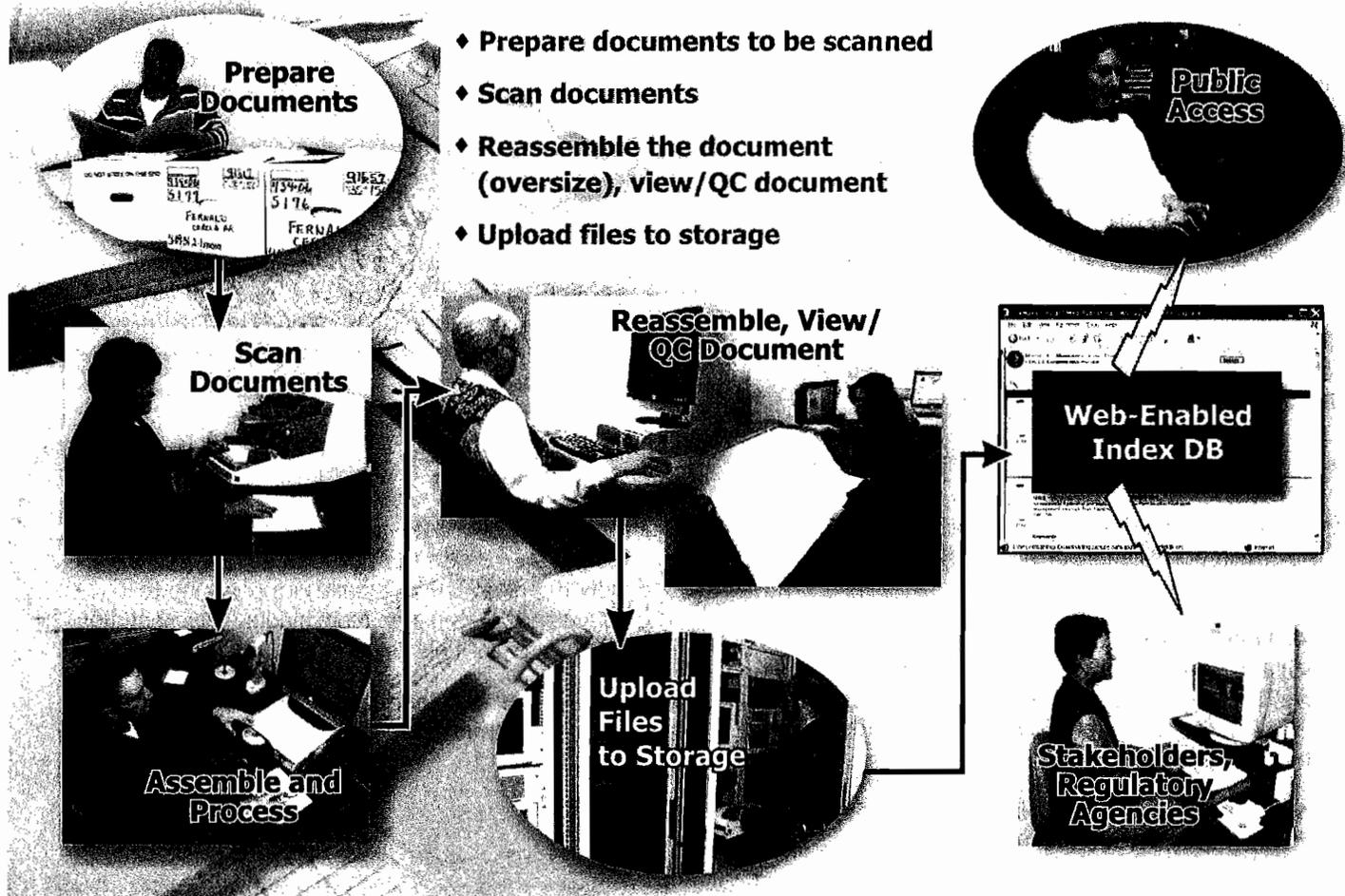


*The next community meeting will be held at 6:30 p.m. on December 5, 2007, at the Crosby Township Community Center.*

# Digitizing Administrative Records

of the U.S. Department of Energy Office of Environmental Management (EM) and Office of Legacy Management (LM) Ohio Sites

## Scanning Process Description



## Public Involvement in Remediation

- As the government concludes remediation of former weapons sites, continued public participation is essential to the success of long-term surveillance and maintenance activities.
- Public involvement was key to the government's efforts during the cleanup process. The U.S. Department of Energy (DOE) Office of Legacy Management (LM) is continuing to communicate with community members as part of the decision-making processes for long-term surveillance and maintenance of these sites.
- The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Administrative Records (ARs) are the documents that form the basis for selecting remediation actions. The CERCLA ARs are valuable to the public, historians, and regulators. These records include information on cultural considerations (e.g., historic sites), natural resources, environmental justice issues, locations of wetlands, geographic and geologic information, and locations of wellhead protection areas.
- LM is using digitizing technology to enhance public access to legacy CERCLA AR documents and information relating to ongoing surveillance and maintenance efforts. Lessons learned from a previous effort benefited LM's digitizing efforts for two remediation sites in Ohio.

# Fernald Preserve Quarterly Community Meeting

U.S. Department of Energy  
Office of Legacy Management

Ross Township Firehouse  
Wednesday, September 5, 2007  
6:30 p.m. to 8 p.m.

## Objective:

- Develop The Fernald Preserve as a community asset

Welcome – Sue Walpole

Nature Nook – Lisa McHenry

Fernald Updates – Jane Powell

Safety

Visitors Center

Records Management Update – Karen Hatch

Visitors Center Exhibit Design – John Hancock

Community Relations – Sue Walpole

What's Next? 90 day look ahead

Your Turn

Meeting Review

- Action items
- Next meeting topic

Adjourn

Next meeting is December 5, 2007 at 6:30 p.m.  
Crosby Township Community and Senior Center  
8910 Willey Road

# Fernald Preserve Community Meeting

September 5, 2007

## PLEASE SIGN IN

Include your address if you wish to be added to the mailing list

Name: Millie WASINGER

Name: JOANNA DONANNONI

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Name: JERRY BRADLEY

Name: Laura Hofer

Affiliation: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

Address: \_\_\_\_\_

Phone #: \_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Name: Edna Yocum

Name: ROBERT SPINDLER

Affiliation: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

Address: \_\_\_\_\_

Phone #: \_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

E-mail address: \_\_\_\_\_

# Fernald Preserve Community Meeting

September 5, 2007

## PLEASE SIGN IN

Include your address if you wish to be added to the mailing list

Name: DICK KASPARAK

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Name: Sue Verkamp

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Name: BOB TABOIC

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Name: RIC STROBL

Affiliation: FCA

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Name: Vicky Dastillung

Affiliation: FRESH

A

P

E

Name: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

# Fernald Preserve Community Meeting

September 5, 2007

## PLEASE SIGN IN

Include your address if you wish to be added to the mailing list

Name: JEFF NEFF

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Name: Alen Y

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Name: Joe Kuyper

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Name: Frank Johnston

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Name: Peter Spindler

Affiliation: HAMILTON Co.

Address: \_\_\_\_\_

\_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Name: Joyce Bentle

Affiliation: FCA

Address: \_\_\_\_\_

\_\_\_\_\_

Phone #: \_\_\_\_\_

E-mail address: \_\_\_\_\_

## Geospatial Environmental Mapping System (GEMS)

GEMS provides dynamic mapping and environmental monitoring data display for Office of Legacy Management sites. GEMS can be used to view site maps, photographs, and water-quality and water-level data in table and graph formats.

Data layers that can be displayed currently on GEMS, if available for a site, include

- Existing ground water monitoring wells
- Surface water monitoring locations
- Sediment monitoring locations
- Fences
- Roads
- Site boundary
- Streams and ditches
- Water bodies
- Disposal cell boundary
- Annual site inspection photographs
- Aerial photographs
- U.S. Geological Survey 1:24,000 quadrangle maps

The information and environmental data display tools developed for GEMS are based on discussions with the U.S. Department of Energy, regulatory agencies, and members of the public.

The Fernald Preserve website can be accessed at [www.LM.doe.gov/land/sites/oh/fernaldd/fernaldd.htm](http://www.LM.doe.gov/land/sites/oh/fernaldd/fernaldd.htm)

## Geospatial Environmental Mapping System (GEMS)



### Point of Contact

Fernald Preserve Manager  
U.S. Department of Energy  
Office of Legacy Management

Jane Powell  
10995 Hamilton-Cleves Highway  
Harrison, OH 45030  
(513) 648-6000

E-mail: [Fernald@LM.doe.gov](mailto:Fernald@LM.doe.gov)

8/2007

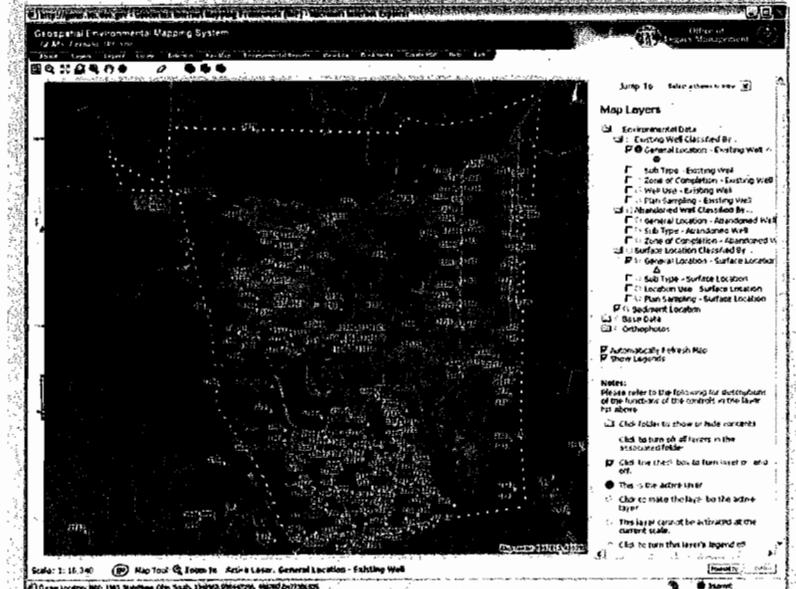


U.S. Department of Energy  
Office of Legacy Management



# Quick Start Guide

for accessing the  
U.S. Department of Energy  
Office of Legacy Management  
Geospatial Environmental  
Mapping System (GEMS)  
for the Fernald Preserve



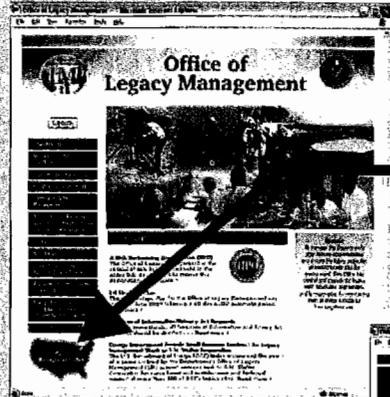
Browser pop-up blockers  
must be disabled.

[www.LM.doe.gov](http://www.LM.doe.gov)



U.S. Department of Energy  
Office of Legacy Management



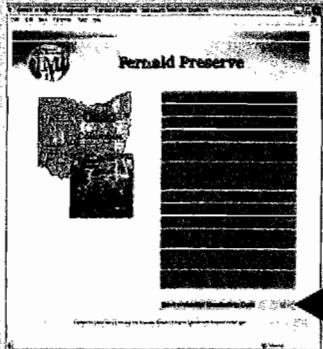


**1**  
 Select Legacy Management Sites map.

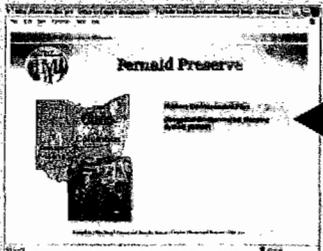


Select Ohio on the map or use the drop-down site menu and select Fernald Preserve.

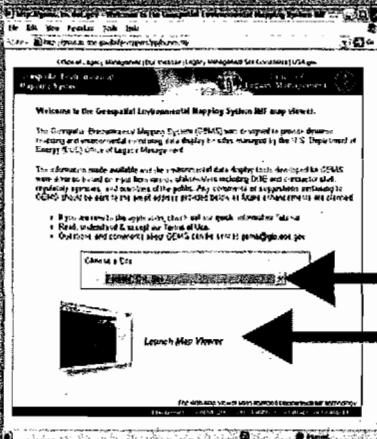
(If you select Ohio on the map, the Ohio Sites page will appear. Select the Fernald Preserve button.)



Select Environmental Monitoring Data button.

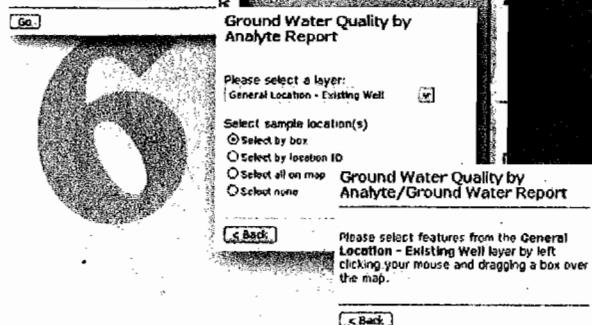


Select Geospatial Environmental Mapping System (GEMS) button.



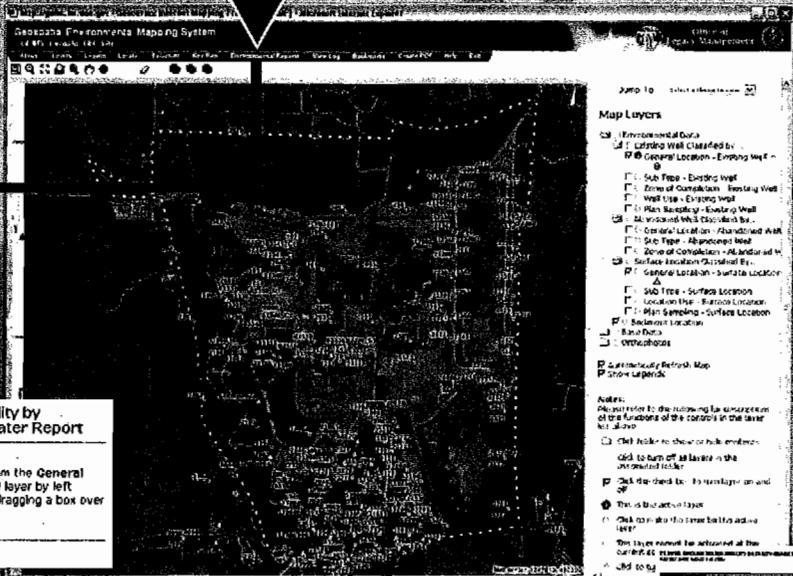
Select Fernald, OH, Site from the drop-down list and then click Launch Map Viewer <http://gems.lm.doe.gov/imf/ext/gems/jsp/launch.jsp> (add this site to "Favorites" in Internet Explorer).

Environment Report Options

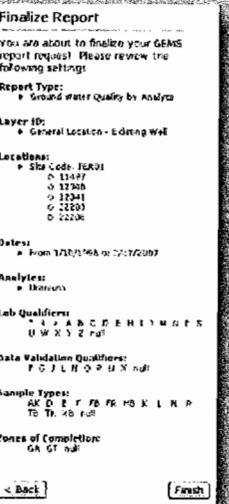
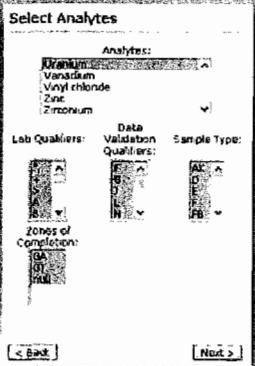
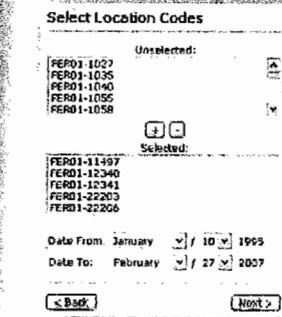
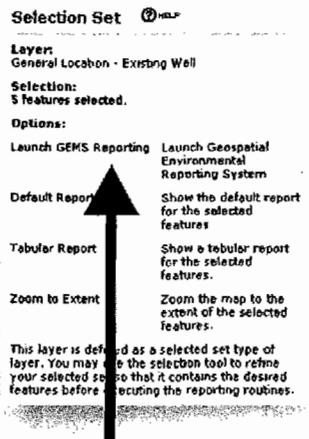


**6**

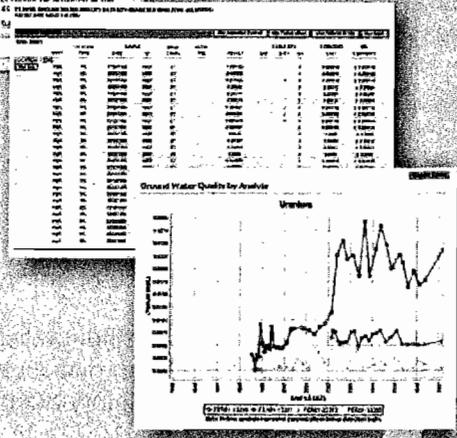
To obtain water quality information, select the Environmental Reports tab.



Other environmental monitoring information such as water levels, surface water quality data, and sediment chemistry data can be obtained by choosing other environmental reports once the Environmental Reports tab has been chosen.



Once GEMS reporting has been launched, choose the desired data range, then select one or more analytes or other qualifiers. A final screen summarizing the selection will be shown.



Data will be displayed as a table with options to view in graph form. The table may also be exported in a variety of formats. For monitor wells, an option to view the well log can also be selected.