



U.S. DEPARTMENT OF
ENERGY

Legacy
Management



Fernald
Preserve

Community Meeting

April 13, 2011

8825

The Office of Legacy Management's community meeting was held on April 13, 2011, at the Fernald Preserve Visitors Center. 72 people attended the meeting, which provided an update on site maintenance and the public's use of the site, and included a walk on the Sycamore Trail.



Agenda

- **Nature Nook**
 - **Health and Safety**
 - **Fernald updates**
 - **Site operations**
 - **Visitors Center**
 - **6-month look-ahead**
-
- **Natural Resources Trustee meeting**



Nature Nook



Green darner

(*Anax junius*)

- Most abundant dragonfly in North America
- Migrates from Texas and Mexico for the summer
- Important predators who feed on mosquitoes, moths, and flies

The Nature Nook is a regular feature of the community meeting and highlights flora and fauna that inhabit the Fernald Preserve.



Fernald Preserve

Legacy Management Mission



Manage DOE's post-closure responsibilities and ensure the protection of human health and the environment.



Worker Health and Safety

OSHA Recordables (yearly)

DOE Complex	LM	Industry
1.1	0.6	4.1

Fernald Preserve (quarterly)

Lost time	First aid	Recordables
0	0	0

The Fernald Preserve's safety performance, as well as the Office of Legacy Management's safety performance, continues to be much better than industry standards.



Aquifer

- **Groundwater pumping rate 2010 was 102 percent of design**
- **Shut down pumping for 31 days**
- **Continue treating groundwater as necessary to meet discharge limits**
- **Continue pump-and-treat operations as necessary to meet regulatory commitments**



8825.06 4/11

The aquifer cleanup, which involves pumping and treating water from the aquifer, is progressing as planned. Groundwater modeling projects that aquifer cleanup will be completed in 2026. Since 1993, over 9.85 billion gallons of groundwater have been treated.



Ecological Restoration

- **Ecological monitoring of wetlands**
- **Invasive-species control**
- **Prescribed burns**



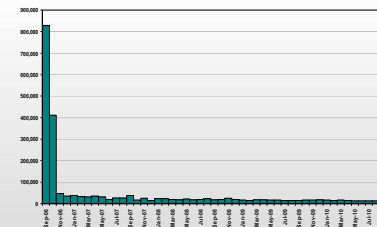
8825.07 4/11

The ecological restoration of the Fernald Preserve is ongoing. Wetland mitigation is being monitored, and invasive species are being controlled.



Sampling

- **On-Site Disposal Facility leak detection monitoring at 42 locations**
- **Groundwater sampling at 140 locations**
- **Surface water sampling at 21 locations**
- **Composite effluent sampling at one location**
- **Direct radiation monitoring at 11 locations**
- **Sediments sampling at two locations in the Great Miami River**
- **Continuing approved semi-annual, quarterly, and daily sampling**



8825.08 4/11

Routine environmental monitoring is conducted to ensure the continued effectiveness of the site's cleanup. The current monitoring program includes sampling groundwater, surface water, treated effluent, and sediment.



Prescribed Burns

Spring 2011 Priorities



Controlled burns are necessary for the health, maintenance, and growth of the prairies at the Fernald site.



Community Relations

- **Fernald Preserve use**
- **Visitors Center use**
- **Events**
 - Sky Dance, Why Water, Migration Sensation, Reunion
- **BioBlitz (June 10 and 11)**



8825.10 4/11

Since the Fernald Preserve opened to the public in 2008, schools, conservation organizations, hikers, and cyclists have used the site, Visitors Center and its Community Meeting Room.



Reading Room

Delta Building



- "[EPA] has determined that the on-line Administrative Record and Information Repository will meet the requirements and intent of applicable regulations...and that the on-line searchable database may even provide superior access to site records beyond the current hard copy files."
—Timothy J. Fischer, EPA Remedial Project Manager
- ***Third Five-Year Review Report*** (April 1, 2011)

The hard copy of the Fernald Comprehensive Environmental Response, Compensation, and Liability Act Administrative Record in the Reading Room has been removed and replaced with an online searchable database.



Look-Ahead

May–October

- **Continue aquifer restoration**
- **Continue sampling**
- **Continue On-Site Disposal Facility inspections**
- **Continue site inspections**
- **Continue wetlands mitigation monitoring**
- **Conduct prescribed burns**
- **Publish documents**
 - *Annual Site Environmental Report* (June 1)
 - *Draft Legacy Management Institutional Controls Plan* (September 30)

The 6-month look-ahead explains the work forecast through the spring and summer.



Annual Community Meeting

Join us:

October 12, 2011

6:30 p.m.

Fernald Preserve Visitors Center



Jane Powell

DOE-LM Fernald Preserve Manager

(513) 648-3148

jane.powell@lm.doe.gov

Sue Walpole

S.M. Stoller Public Affairs

(513) 648-4026

sue.walpole@lm.doe.gov

General

(513) 648-6000

fernald@lm.doe.gov

www.lm.doe.gov

The next community meeting will be on October 12, 2011, at the Visitors Center.



Questions?



8825.14 4/11

Questions were answered, and the meeting was followed by a Natural Resource Trustee presentation.