



# PORTSMOUTH SITE SPECIFIC ADVISORY BOARD

•OSU Endeavor Center • 1862 Shyville Road • Piketon, Ohio 45661 • (740) 289-5249 •

## Proposed Agenda for the May 7, 2009 Board Meeting

### Co-Chairs

Val E. Francis  
Richard H. Snyder

### Board Members

Shirley Bandy  
Lee A. Blackburn  
Gene Brushart  
Dr. Edwin G. Charle, Ph.D.  
Dr. Andrew L. Feight, Ph.D.  
Bobby E. Graff  
Franklin H. Halstead  
Sharon E. Manson  
Stephen E. Martin  
Daniel J. Minter  
Larry A. Parker  
Michael E. Payton  
Cristy D. Renner  
Terri Ann Smith  
Lorry Swain

**Deputy Designated  
Federal Official**  
Dave Kozlowski

**DOE Federal Coordinator**  
Greg Simonton

### 6:00

Call to order, introductions  
Review of agenda  
Approval of April minutes

### Public Comments

--20 minutes

### DDFO Comments

-- 15 minutes

### Federal Coordinator Comments

-- 5 minutes

### Liaison Comments

-- 10 minutes

### Presentations

-- 15 minutes

### Administrative Issues

-- 30 minutes

Committee Updates  
Motions

- *Letter to Assistant Secretary Chu on appreciation for Stimulus Package*

### Public Comments

-- 20 minutes

### Final Comments from the Board

### Adjourn

### Support Services

EHI Consultants, Inc.  
111 Memorial Drive  
Paducah, KY 42001  
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Toll Free 866.650.7437  
Fax 270.554.3248



# PORTSMOUTH SITE SPECIFIC ADVISORY BOARD

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Minutes of the May 7, 2009, SSAB Meeting • 6 p.m.

## *Co-Chairs*

Val Francis  
Richard Snyder

## *Board*

Shirley Bandy  
Lee Blackburn  
Gene Brushhart  
Edwin Charle  
Andrew Feight  
Bobby Graff  
Franklin Halstead  
Sharon Manson  
Stephen Martin  
Daniel Minter  
Larry Parker  
Michael Payton  
Cristy Renner  
Terri Ann Smith  
Lornita Swain

## *Deputy Designated*

*Federal Official*  
Dave Kozlowski,  
DOE

## *Federal Coordinator*

Greg Simonton

**Location:** The Ohio State University South Center's Auditorium in Piketon, Ohio

**Site Specific Advisory Board (SSAB) Members Present:** Shirley Bandy, Lee Blackburn, Cristy Boggs-Renner, Gene Brushhart, Ed Charle, Andrew Feight, Val Francis, Bobby Graff, Frank Halstead, Sharon Manson, Dan Minter, Larry Parker, Terri Ann Smith, Dick Snyder, Lorry Swain

**SSAB Members Absent:** Steve Martin and Michael Payton

**Board Liaisons and Related Regulatory Agency Employees:** Brian Blair, Craig Butler, Ken Dewey and Maria Galanti, Ohio EPA; Michael Rubadue, Ohio Dept. of Health

**DOE and Contractors:** Sandy Childers, LATA/Parallax; Janie Croswait, ETS; Mike Kopp, ETS; Julie Galloway, EHI; Paul Mohr, Fluor; Brandy Moore, EHI; Bill Murphie, DOE; Melda Rafferty, DOE; Eric Roberts, EHI;

**Facilitator:** Jim King

**Public:** Kathleen Boutis, Robert Brown, Vina Colley, Mark Fallon, Tressie Hall, Brian Huber, David Manuta, Eric O'Neil, Geoffrey Sea, Allen Schubert, David Snyder, Pam Sprouse, Chris Thomas, J. Thompson

1862 Shyville Rd.  
Piketon, Ohio  
45661

[ports-ssab.org](http://ports-ssab.org)

740-289-5249

**Call to Order:**

*Snyder* calls the meeting to order.

**Agenda:**

*Snyder* calls for any modifications or proposed changes to the agenda.

- *Snyder* motions to discuss taking a month off for summer vacation, ***Motion seconded***
  - ***Motion carries***

**April Minutes:**

*Feight* motions for the board to review the minutes and approve them at the next meeting, ***Motion seconded.***

- There was a brief discussion about how to present the minutes to the board; *Manson* suggested hiring a court reporter; *Snyder* discussed for EHI to send out a survey to the board; *Swain* suggested a call for guidance to EHI and stated that she appreciated all the hard work. *Feight* says summary is the best way to go; *Manson* agreed summary would be easier to read and less confusing; *Murphie* suggested considering what direction the board wanted to go in summary or minutes:

*Snyder* motions to use summary form for the board minutes, ***Motion seconded.***

- *Blair* agreed would like to take time to review the minutes; *Swain* discussed the board should respond within a week's time.
- ***Motion carries***

**Public Comment:**

*King* commented that there have been concerns that we are not providing significant time for all the community members so he has to be more stringent on the four minute comment period and so he doesn't have to interrupt someone. Please make sure your comments stay within that allowed time. If your comment is longer than the allowed time, please submit your comments to the board. He is going to sit down and will stand up at three minutes so you know when to close your comments. Thank you.

*Mrs. Tressie Hall, SONG:* She had two concerns: First, she would like to see a Citizens Advisory board for the entire site. Secondly, she asks if USEC falls apart, will clean up have to wait and when will it start. Thank you.

*Mr. Robert Brown, Pike County Resident:* Lives in Bristol Village and worked in every building at Portsmouth for 20 years, he thinks it's a golden opportunity to utilize the site better with employment it would help our county, state and nation. The plant site has enough water supply and waste treatment to supply both Waverly and Piketon areas. We are in an energy shortage and need the jobs we have the resources to provide this with the site as a nuclear power plant. Thank you.

*Brian Huber, Pike County Resident:* Is a land owner in Pike County and agrees would like to see a Citizens Advisory Board for the entire site and is interested in attending the tour of the 340 acres, he would like to be able to walk the land. He also mentioned he does not want a Nuclear Power plant in this area. Thank you.

*Geoffrey Sea, SONG:* Would like to see a Citizens Advisory Board over everything, but what we ended up with was the SSAB Board that has limits. Stated that USEC stock is down to 38 million and what's that mean if less cash reserve, will ACP proceed forward? He would like for DOE to create two different Citizens Advisory Boards for both the sites. He also has pictures that he could not send electronically that go with the letter he sent to the SSAB but he will bring them to the next meeting. Thank you.

*David Manuta, Manuta Chemical Consultants Inc:* He stated that he forwarded a data sheet on Garlan - 4 to Eric about the actual history of its use and that when DOE went forward they were going on what happened at the site. He also mentioned he would like to see the board have a professional transcriber. Thank you.

*Eric O'Neal:* Thanked the SSAB for all the hard work on the accelerated cleanup, but also would like to ask that we all keep an eye on the funding to make that reality. Thank you.

*Kathleen Boutis, SONG:* As to the minute's discussion, asking them to summarize them that would be an interpretation. The board should give a one or two sentence summary after the discussion to summarize what they said. Also one of the earlier concerns with USEC stock going down, if the plant was in jeopardy how would this affect the cleanup. Doug Sirro was hired to do a study and he recommended to have entire jurisdiction over the site, would like to see the board cover entire site. Thank you.

**Vina Coley, P.R.E.S.S.:** She does not want a Nuclear Power Plant due to her health and sickness, which she states was caused from working at the plant. Also, she thinks the money used on taking a tour out west to visit the waste sites should be used to hire two consulting parties. There are plenty of videos taken from other sites on that would be helpful in understanding how their waste is handled and how it affects the plants. Thank you.

**DDFO Comments:**

**Kozlowski** presentation:

The update included the following information:

- X-770 Mechanical Test Facility Concrete Pad Removal/Investigation Status
- Cleanout of DMSA 11 & 12 in X-326 Building.
- X-345 Building Cleanout
- X-746 Shipping and Receiving Building Removal
- Highly Enriched Uranium (HEU) Process Gas Filter Ash and Oil Leak Gunk
- Releasing of USEC Buildings
- Lube Oil and Pyranol
- National Historic Preservation Act (NHPA)
- American Recovery and Reinvestment Act Update

A copy of the above-stated presentation can be viewed on the SSAB website at [www.ports-ssab.org](http://www.ports-ssab.org)

Question/Comment	Answer
<b>Charle:</b> How are you notified if there are problems with shipments and what is done?	<b>Kozlowski:</b> The shipments are certified before they are sent; if there are questions with any shipments they are returned. DOE expects no issues of packages that get sent to the receivers.
<b>Swain:</b> Why is the Nevada Test Site still in the same position on not allowing there to be mixed waste acceptance past 2010?	<b>Kozlowski:</b> That question was asked in Washington today. They have resolved the primary issue that was holding this up and there is an expectation to restart very soon.
<b>Smith:</b> Clarification on different types of waste that are being transported and why some are solidified and some are not is this a cost issue and what's more cost effective?	<b>Kozlowski:</b> The process was looked at selling as natural uranium or just dispose the waste and the difference in the simple cost trade off, it is more cost effective to solidify the waste.

**Federal Coordinator Comments:**

**Murphie** presentation:

The update included the following information:

- Portsmouth Site Facts
- Portsmouth Site Aerial Tour: Projects
- Portsmouth Site Aerial Tour: Environmental
- Project Acceleration through the American Recovery and Reinvestment Act of 2009
- Portsmouth Priorities
- Portsmouth: Paducah Funding Profile FY2009
- Depleted Uranium Hexafluoride DUF6 Conversion Project-Paul Kreitz
- DUF6 Accomplishments
- DUF6 Commissioning Roadmap Accelerated Path to Hot Operations
- LATA/Parallax Portsmouth, LLC - Bill Franz, Project Manager
- Portsmouth: Cleanup Program Accomplishments
- Increasing Performance
- Cost and Schedule Achievements
- Tc-99 - Toni Brooks, Director of Infrastructure Service
- Cold Shutdown
- Facility De-Lease

A copy of the above-stated presentation can be viewed on the SSAB website at [www.ports-ssab.org](http://www.ports-ssab.org).

Question/Comment	Answer
<b>Blackburn:</b> What if USEC filed bankruptcy, how would this affect the cleanup and the release of buildings?	<b>Murphie:</b> USEC is required to set aside money, but they also have the option to terminate the lease and the buildings may not be an asset to anyone without signatures.
<b>Swain:</b> What's the process for accelerated cleanup?	<b>Murphie:</b> The cleanup can rapidly be done in 15 years but was explained that there is not a definite number of years set to be completed.
<b>Smith:</b> An annual report for LATA/Parralax was asked for and it was only stated that one could be provided but with information blacked out. Can this be addressed?	<b>Murphie:</b> There will be a presentation concerning the annual report at the next D & D meeting to explain this report.

**Break – 4 minutes:**

**Snyder** made a motion to add the approval of Assistant Triay's letter to the Agenda, **Motion seconded.**

- **Motion carries**

**Liaison Comments:**

Discussion on the review of tour to waste sites out west, to possibly review the Tennessee site and to review Oakridge video at an upcoming meeting.

**Dept. of Health:**

No comments

**Administrative Issues:**

**FLU Committee:**

**Feight** went through a brief discussion of the April 7, 2009, meeting and stated the next meeting would be **May 12, 2009 @ 5:30pm.**

- 340-Acre walking/driving tour
  - There will be a draft completed for the goals of recommendation by the June meeting.
  - Ohio EPA suggested a workshop to understand how the testing is prioritized.
  - It was suggested not to take a break during the summer months and spend more time the last week in July to further discuss the transfer. The Committee decided to meet on July 21 @ 4:30.
- Transfer of 340-Acre (discussed setting more time aside for discussion at next meeting)
- Energy Parks (Portsmouth Site as a Energy Park)
- Develop Principles of Future Land Use
  - Review handouts that were given on Rocky Flats and report back in June.
  - The Committee set a goal to have principles completed by December.

**Waste Disposition Committee:**

**Parker** stated that the committee met on April 9, 2009, and reviewed their agenda from the meeting. Next meeting will be held on **May 14, 2009 @ 4:30 pm.**

- Mission to review treatment and
- Waste Disposition Project Updates
  - X-746 Shipping & Receiving Building Removal – Engineering Evaluation/Cost Analysis (EE/CA)
  - X-345 Special Nuclear Materials Building Strip-out
- **Recyclable Metals**
  - **Murphie**, with DOE, present for questions concerning the Letter to Assistant Secretary Dr. Inez Triay (Green Initiative for Recyclable Metals with the DOE Complex)

**ER Committee:**

**Renner** stated that the committee met on April 7, 2009, and provided a copy of the report. Next meeting will be held on **May 12, 2009 @ 4:30pm.**

- EE/CA Process
  - There was a discussion period about the 30 day extension and when it should be used. Ohio EPA suggested having a workshop on this process.
- **History/Cleanups at other Environmental Restoration Sites (not pertaining to Radiation):**
  - Discussed obtaining a DVD from CDM relating to the Libby, Montana continued cleanup of Asbestos.
  - Discussed Studio Blue or a student possibly filming a documentary on the cleanup process.
- **Concerns/Issues:**
  - May 28<sup>th</sup> Open House/DOE Public Meeting
  - Discuss in June about taking month of July off for summer break

**D & D Committee:**

**Swain** stated the committee met on April 9, 2009, and it was a lively meeting. A review of the agenda and topics from the meeting was presented.

- June 11<sup>th</sup> Work Shop – Presentations from Ohio EPA, F.R.E.S.H. and DOE – community and SSAB members are encouraged to come.
- Budgets from LATA/Parallax
- X-746 EE/CA Presentation
- Stimulus Package Update
- A comment was added about DOE pursuing additional public interaction for the May 28<sup>th</sup> DOE Public Meeting/Open House.

**Ad Hoc Committee:**

**Blackburn** stated the committee met on April 23, 2009, to review the proposed amendments and changes to the operating procedures.

- It was discussed that the vote to change the Operating Procedures will need a 2/3 vote.

Next meeting will be held **May 12, 2009 @ 3:00pm.**

**Motions:**

**Feight** motioned to approve the ‘Thank You Stimulus Letter’ and, if approved, send cc to Senator Brown, **Motion seconded.**

- There was a brief discussion on sending two letters with addressing one to Secretary Chu, one to Acting Assistant Secretary Triay, and copying Senator Brown.
  - **Motion carries**

**Snyder** motioned to submit the ‘Green Initiative for Recyclable Metals Letter’ for approval of the full board, **Motion seconded.**

- There was a brief discussion on why the board was just seeing this letter if it was dated for March 21, 2009, several comments were made on what the letter is asking and that the board should take time to review this motion.

**Snyder** motioned to withdraw the motion to approve the letter to Assistant Secretary Triay, **Motion seconded.**

**Swain** motioned that the Waste Disposition Committee handle this motion, **Motion seconded.**

- **Motion carries**

**Snyder** motioned that the board take a month of July off for summer vacation, **Motion seconded**

- **Motion carries**– Swain didn’t vote.

**Public Comment:**

**Geoffrey Sea, SONG:** Mr. Murphie gave a rather vague explanation on difficulties on EM knowing what USEC is doing on the site. It is important to understand historical this has affected everything in Piketon when PPO established only EM office all the rest of DOE stayed at Oak Ridge that supervises USEC. February letter new Piketon DOE office established this committee to correct the problem; new office should consolidate all including leasing, contracting EM and urge the SSAB should put together a recommendation that will consolidate this office. Second comment is Mr. Murphie made the mistake by not bringing in any waste other than enriched waste, this is not true. In 1985, there was a recommendation to bring in old GCEP and ran through a test run of uranium contaminated equipment; it may get to that point now that they do the same thing that increases contaminated material.

**Mr. Robert Brown, Pike County Resident:** The question is with the contaminated metal issues; are we looking at surface contamination or contamination within the metal itself. If it's surface that's easily handled.

**David Manuta, Manuta Chemical Consultants Inc:** The first issue is with the original GCEP date that was collected and tested, that's why you process real world data. The second, in 1992 Congress Energy Act created USEC breakdown in the timeline what's DOE responses. In 1998, USEC took over full operation anything since is USEC responsibility.

**Additional Comments:**

No additional comments at this time.

**Graff** motions to adjourn, *Motion seconded.*

- *Motion carries*
  - Meeting adjourned at 8:45pm

*Next Meeting June 4<sup>th</sup> at 6:00pm*



# DDFO Presentation

## May 7, 2009



**David Kozlowski**

**Deputy Designated Federal Officer**



# X-770 Mechanical Test Facility Concrete Pad Removal/Investigation Status

- Objective is to complete decommissioning of the facility through demolition of pads and foundations, removal of soil found in site investigation, and area remediation.
- Currently, sampling is completed; a small amount of soil under the pad is contaminated (radiological and trichloroethene).
- All wastes generated will be sent for disposition at the appropriate Treatment Storage Disposal Facility (TSDF).
- Scheduled for completion in January 2010.





# Cleanout of DMSAs 11 & 12 in X-326 Building

- Project to dispose of 324 total items of equipment.
- Completed shipments of 38 items on March 17, 2009.
- Completed 250 of 250 Non-Destructive Analysis (NDA) of equipment.
- PCB sampling is 100 % complete (250 items).
- Next shipments scheduled in May 2009.
- Continuing clean-out efforts.





# X-345 Building Cleanout

- Objective is to dismantle and dispose of equipment located in the High Assay Isotopic Standards Preparations (HAISP) Laboratory and the High Activity Sampling and Analysis (HASA) Laboratory in the X-345 facility.
- Contaminants and potential hazards exist which will require neutralization and removal.
- Initiated waste shipments on March 30, 2009.
- Both lab removals to be completed by September 2009.





# X-746 Shipping and Receiving Building Removal

- The X-746 Engineering Evaluation/Cost Analysis (EE/CA) was issued for public review on April 8, 2009.
- Comment Period was for 30 days, until May 8; on May 7, 2009, DOE received request for 30-day comment period extension from Ohio EPA.
- SSAB Information Session on X-746 EE/CA held on May 4, 2009.





# Highly Enriched Uranium (HEU) Process Gas Filter Ash and Oil Leak Gunk

- DOE/PPPO submitted a temporary authorization request for treatment of the two waste streams to Ohio EPA on April 29, 2009.
- Project is scheduled to complete disposition by September 30, 2009.



# Deleasing of USEC Buildings

- DOE/PPPO received 60-Day Notice from USEC for X-633 Cooling Towers Complex on April 30, 2009.
- Finalized agreement on April 7, 2009, allowing the removal of equipment identified by USEC in the X-533 Switchyard and X-633 Cooling Towers Complex to support operations at Portsmouth and Paducah.
- Working towards the release of the X-533 Switchyard, X-760 Chemical Engineering Building, and the X-605 Wellfield.



# Lube Oil and Pyranol

- The first shipment of legacy oils is ready for shipment to the commercial incinerator Clean Harbor in Deer Park, Texas and will ship upon receipt of Clean Harbor certification.
- The loading for the second shipment is currently underway and is expected to ship in two weeks.
- This project is on schedule to complete by September 30, 2009.





# National Historic Preservation Act (NHPA)

- Tribal letters were sent on April 2, 2009, to 13 different groups.
  - DOE/PPPO received 1 response.
- First public notice released to the media on May 6, 2009, requesting information on potential historic properties at Portsmouth.
- DOE/PPPO is in the early planning stage in defining scope of future undertakings.
- NHPA public workshop is tentatively scheduled for June 20, 2009.



# American Recovery and Reinvestment Act Update

- Preliminary organization of PORTS Federal Staff for ARRA project oversight.
- DOE/HQ Team to be onsite late June to review ARRA progress.
- Funding for project planning received by DOE/PPPO beginning of May 2009.
  - Work starts today (May 7, 2009) on the project planning.



U.S. DEPARTMENT OF  
**ENERGY**

*Update on the  
Office of Environmental Management*



**2009 Congressional Nuclear Cleanup Caucus  
May 7, 2009**

**William E. Murphie  
Office Manager  
Portsmouth/Paducah Project Office**



**Paul Kreitz  
President**



**Bill Franz  
Project Manager**



**Toni Brooks  
General Manager**



**EM Environmental Management**

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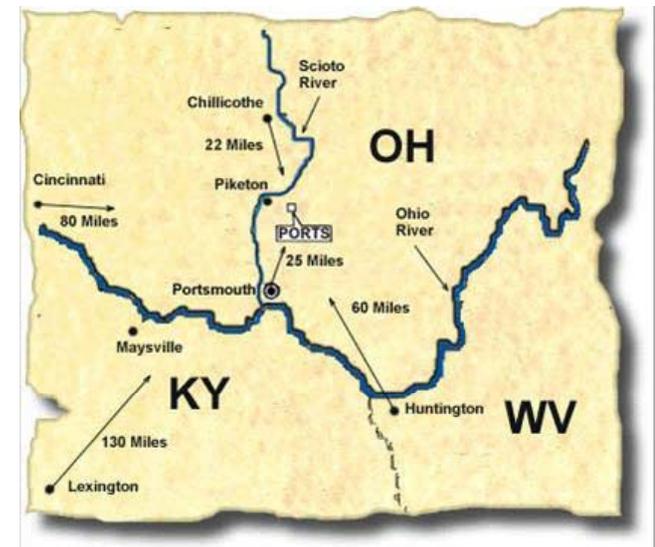
# Portsmouth Site Facts

- **Portsmouth Major Components**

- Department of Energy (DOE): Environmental Management [including future decontamination and decommissioning (D&D) of the gaseous diffusion plant (GDP) now in Cold Shutdown]
- DOE: Depleted Uranium Hexafluoride (DUF6) Conversion Plant
- United States Enrichment Corporation Inc.: Commercial American Centrifuge Plant

- **Portsmouth Demographics**

- 3,777 acres
- 1,900 workers; Largest employer in rural southern Ohio



*From the early 1950s until production ended in 2001, the Portsmouth plant enriched uranium for defense purposes and commercial nuclear power plants.*



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# Portsmouth Site Aerial Tour: Projects



**ARRA Project:**  
D&D of the X-633  
Cooling Water Tower  
Complex



**ARRA Project:**  
D&D of the X-533  
Switchyard Complex



**ARRA Project:**  
Disposition of 2,300 Large  
Low Enriched Uranium  
(LEU) Cylinders



**Depleted Uranium Hexafluoride (DUF<sub>6</sub>)  
Conversion Plant**



**ARRA Project:**  
Repackaging &  
Disposition of Excess  
Uranium Materials



**X-746 Shipping &  
Receiving Facility  
Removal**



**ARRA Project:**  
D&D of the X-760  
Chemical Engineering  
Building



**Planned D&D subject to Request For Proposal (RFP)**

**ARRA = American Recovery and Reinvestment Act of 2009  
D&D = Decontamination and Decommission**

# Portsmouth Site Aerial Tour : Environmental

**7-Unit Groundwater Plume Area  
Phytoremediation and  
Oxidant Treatment**



**ARRA Project: X-701B Groundwater  
Plume Source Removal**



**X-770 Soil  
Characterization /  
Pad Removal**



**Additional Extraction  
Well Project in 5-Unit  
Plume Area**



**X-344C Deferred Unit  
Soil Remediation**



**X-740 Groundwater Plume  
Area; Phytoremediation and  
extraction wells in place**

**X-749/X-120 Groundwater Plume  
Optimization Area;  
Phytoremediation and extraction  
wells in place**



# Project Acceleration Through The American Recovery and Reinvestment Act of 2009

6 Projects with \$118 million funding, creating/saving jobs

- **Removal of 3 major surplus facilities**
  - Decontamination and Decommissioning (D&D) of the X-633 Recirculating Cooling Water Tower Complex
  - D&D of the X-760 Chemical Engineering Building
  - D&D of the X-533 Electrical Switchyard Complex
- **Disposition surplus Cylinders (with heel quantities)**
  - Project will disposition 2,300 surplus UF<sub>6</sub> cylinders. Inventory includes low to empty 30-inch and 48-inch near empty cylinders with LEU residual.
- **Repackaging and Disposition of Excess Uranium Materials**
  - Project will dispose of about 1,000 metric tons of excess materials in inventory.
- **Groundwater Plume Source Removal**
  - Excavate, treat and dispose of highest trichloroethene (TCE) contaminated source area

*(Disposition means several options are possible – reuse, recycle, dispose as waste, etc.)*



X-633 Recirculating Cooling Water Towers  
Estimated waste removed at completion: 900,000 ft<sup>3</sup>



X-760 Chemical Engineering Building  
Estimated waste removed at completion: 200,000 ft<sup>3</sup>



X-533 Electrical Switchyard Complex  
Estimated waste removed at completion: 703,000 ft<sup>3</sup>



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# Portsmouth Priorities

- **D&D**

- Cost estimates between \$5 billion to \$12 billion in draft RFP
- DOE seeking to complete project in approximately 15 years as compared to previously reported 35-year schedule
- Draft Request For Proposals – 1/2009; incorporating comments

- **Groundwater Treatment**

- Completed site-wide investigative studies and implemented treatment at all 5 groundwater plumes.
- Operating 4 groundwater treatment facilities, 26M gallons/year.
- Installed additional extraction wells to “pull” TCE contaminated groundwater back to DOE property at southern plant boundary

- **Waste Disposition**

- Waste now removed as it is generated  
FY2008 totals were 7,829 cubic meters

- **Environmental Remediation**

- On-going sampling activities
- Continuous communication with regulatory agencies

- **Involvement with Community**

- Formation of Site Specific Advisory Board in 2008
  - 4 committees (Environmental Remediation, Waste Disposition, Future Land Use, Decontamination and Decommissioning)
  - DOE and contractors meet with committees and full board on a monthly basis



Depleted metal is prepared for shipment to the Nevada Test Site.



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# Portsmouth & Paducah Funding Profile

## FY2009

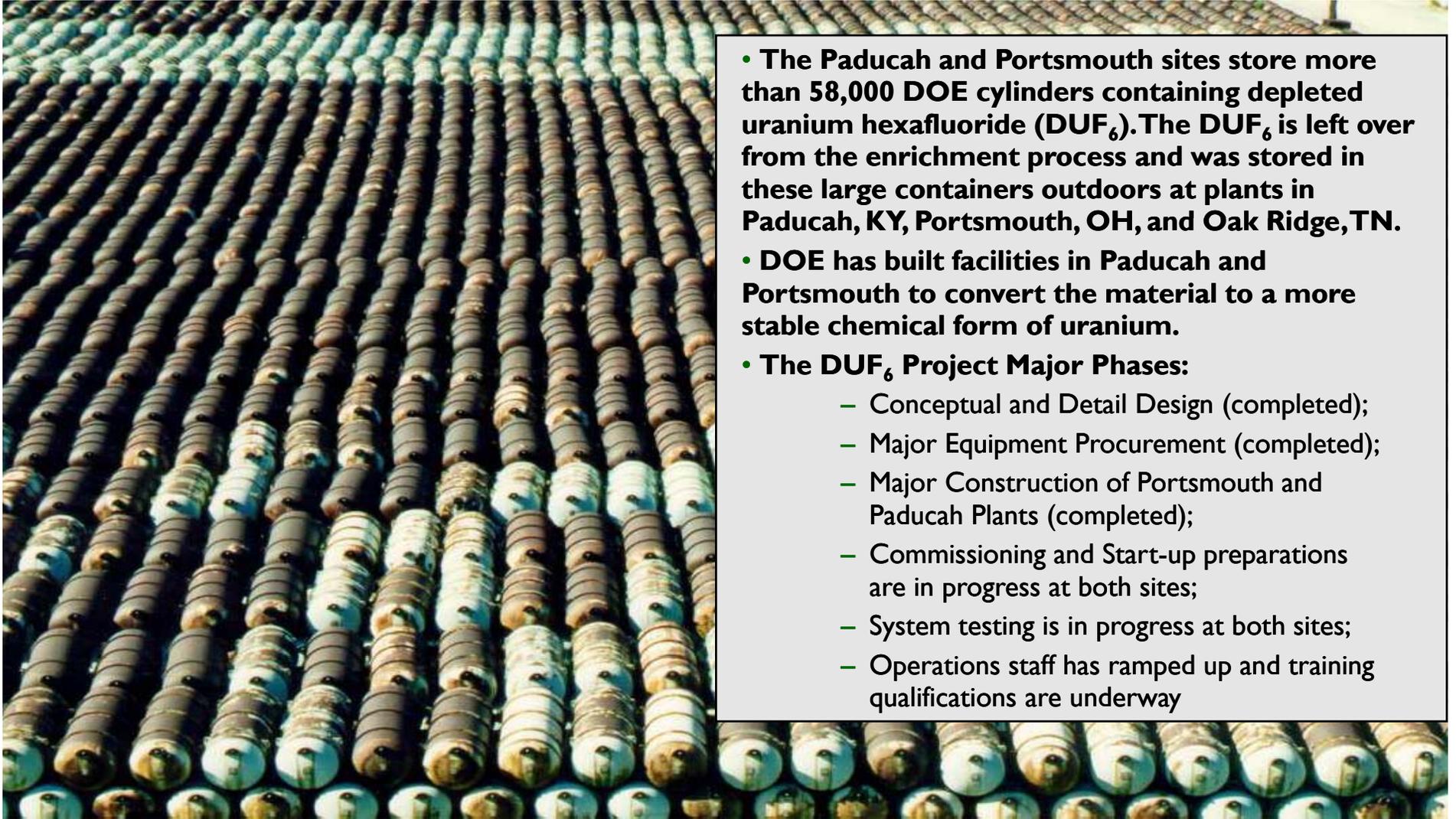
	FY2009 (\$M)	
Appropriation	Portsmouth 240.7	Paducah 169.9
President's Budget Request	Portsmouth 242.6	Paducah 143.0

	Portsmouth	Paducah
American Recovery and Reinvestment Act	118*	79*

\*To ensure adequate controls only 80% of ARRA funds are being allotted to the sites for obligation against contracts. The remaining 20% is being held at Headquarters and will be released after the projects are demonstrating adequate performance. Additionally, only 24% of ARRA funds can be used until all contractor baseline plans have been submitted, reviewed, validated and approved.



# Depleted Uranium Hexafluoride $DUF_6$ Conversion Project - Paul Kreitz



- The Paducah and Portsmouth sites store more than 58,000 DOE cylinders containing depleted uranium hexafluoride ( $DUF_6$ ). The  $DUF_6$  is left over from the enrichment process and was stored in these large containers outdoors at plants in Paducah, KY, Portsmouth, OH, and Oak Ridge, TN.
- DOE has built facilities in Paducah and Portsmouth to convert the material to a more stable chemical form of uranium.
- The  $DUF_6$  Project Major Phases:
  - Conceptual and Detail Design (completed);
  - Major Equipment Procurement (completed);
  - Major Construction of Portsmouth and Paducah Plants (completed);
  - Commissioning and Start-up preparations are in progress at both sites;
  - System testing is in progress at both sites;
  - Operations staff has ramped up and training qualifications are underway



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# DUF<sub>6</sub> Accomplishments



**The Portsmouth Plant will convert 250,000 metric tons of depleted UF<sub>6</sub> which will take 18 years to complete. The Paducah Plant will convert 400,000 metric tons which will take 25 years to complete. Each plant will employ 160 personnel.**



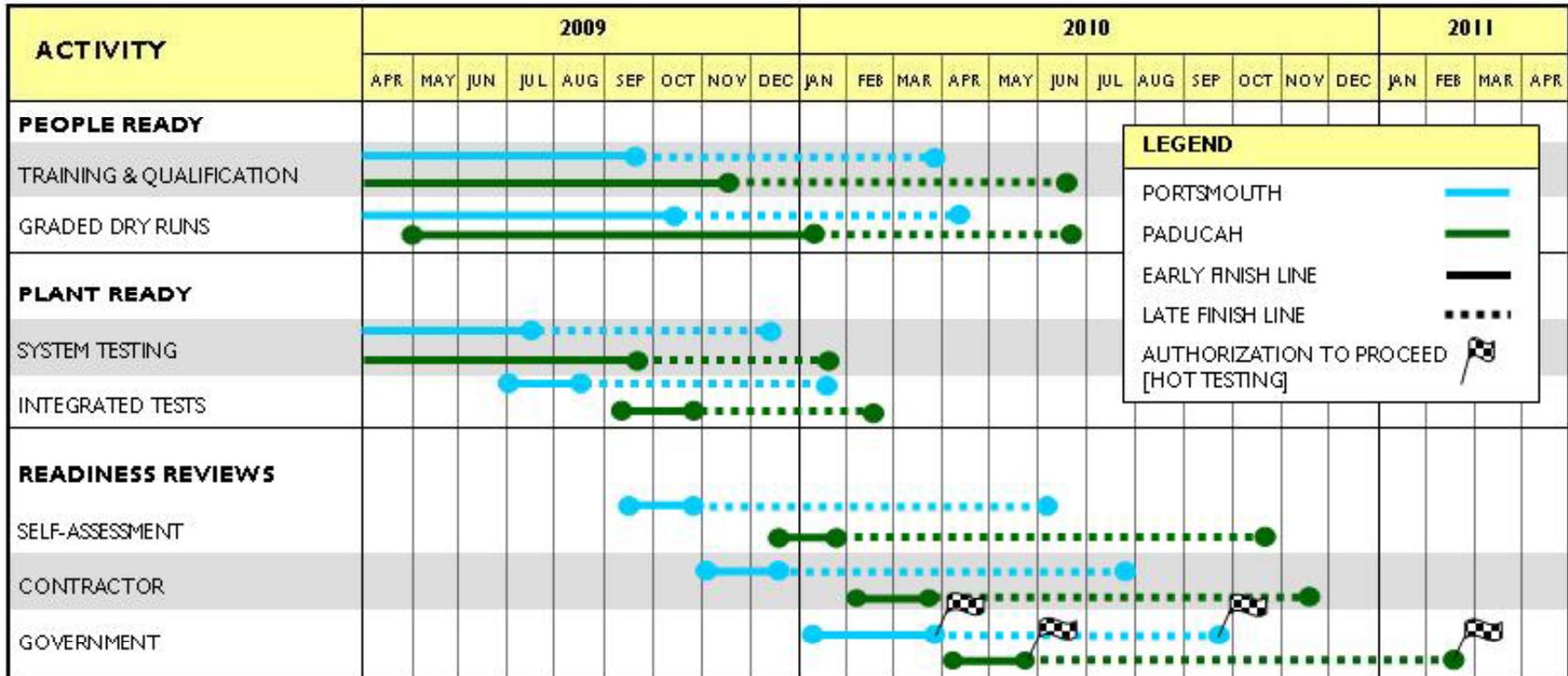
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# DUF<sub>6</sub> Commissioning Roadmap

## Accelerated Path to Hot Operations



### Success Factors

- ✓ Safety performance
- ✓ Cost and schedule discipline
- ✓ Best-athlete management team
- ✓ Strong customer relationships
- ✓ Effective application of lessons learned
  - Successful DOE start-ups
  - Effective performance testing programs
  - Plant-to-plant communication tools



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# LATA/Parallax Portsmouth, LLC

## Bill Franz, Project Manager

- **Scope of Work**
  - Restoration of contaminated areas
  - Monitoring and reporting compliance
  - Disposition of legacy radioactive waste
  - D&D of inactive facilities
  - Disposition of highly enriched uranium
  - Operation of site waste storage facilities
- **Occupational Risks**
  - Potential exposure to hazardous elements
  - Working environments include heavy machinery and equipment
  - Elevated work areas
- **Safety Measures**
  - On-going training for employees
  - Integrated Safety Management System (ISMS)
  - Emergency Management/preparedness
  - Personal Protective Equipment (PPE)
- **Performance**
  - Program in place to reward employee attention to safety
  - Aggressive I Care/We Care Program that has substantially increased worker involvement.



Mechanical/piping tie-in work was completed in March 2009 for a new groundwater extraction well near the X-326 Process Building.



Another shipment is carefully prepared for departure from the Uranium Management Center during operations in late 2008.



**EM** Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

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

# Portsmouth: Cleanup Program Accomplishments

- Disposed of more than 10,000 tons of radioactively contaminated scrap metal
- Closed and capped all 5 on-site landfills
- Demolished 21 total inactive facilities, dispositioning more than 200,000 ft<sup>3</sup> of debris
- Completed project to clean 15,000 metric tons of out-of-specification uranium contaminated with technetium for re-use in nuclear industry
- Emptied waste storage facility of 49,000 legacy waste containers for re-use by American Centrifuge Plant
- Treatments in place at all 5 identified groundwater plume areas
- All major cleanup actions implemented except 40 solid waste management units agreed by DOE and Ohio Environmental Protection Agency (OEPA) to be deferred for further investigation until plant D&D



**EM** Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

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# Increasing Performance

- **Small Cylinder Disposition Project (Phase II)**
  - Project will disposition approximately 420 cylinders; scheduled for completion by end of September 2009
- **Removal of X-746 Shipping & Receiving Facility**
  - Scope entails building demolition including slab, foundation and adjacent parking areas, plus waste disposition
  - First building D&D at the site under CERCLA process
- **X-345 Lab Stripout**
  - Project will dismantle and dispose of High Activity Sampling and Analysis (HASA) Laboratory and supporting equipment, and High Assay Isotopic Standards Preparation (HAISP) Laboratory from inside building
- **Cleanout of DOE Material Storage Areas**
  - Project will dispose of 324 items of equipment in 2 DMSA areas
- **Excess Materials Disposition**
  - Project will facilitate overall cleanup at the site through removal of excess material in several different areas



Processing and waste removal of more than 1,200 small cylinders was completed in July 2008. The project was completed ahead of schedule and \$500,000 under budget.



# Cost and Schedule Achievements

- **Cost Savings**

- 2008: Completed Phase I of a Small UF<sub>6</sub> Cylinder disposition project 3 months ahead of schedule and approximately \$500,000 under budget
- 2008: Use of local companies for recycling non-contaminated metals and debris from demolition of two resulted in a cost savings approximately \$300,000.



More than 49,000 containers of hazardous and mixed waste was removed from the site's X-7725 facility, providing availability for industrial reuse by USEC Inc.'s commercial centrifuge program.

- **Schedule**

- December 2007: Waste removal is completed on schedule and for the first time in 15 years, waste is removed from the site as it is generated.
- 2008: Safely completed the processing and removal of 438 old process equipment converter shells on schedule. Shells measuring 7 ft. high by 11 ft. wide and weighing 20-30 tons each had been stored outside for 30 years.



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# Tc-99 Removal

## Toni Brooks, Director of Infrastructure Service

- Project completed September 2008 for the original inventory
- More than 15,000 metric tons uranium cleaned from 2002-2008
- Value of cleaned uranium material exceeded \$2.1 Billion dollars (based on market price per KgU of normal UF<sub>6</sub> on 09/30/08)
  - Cleaned material owned by both DOE and USEC
    - DOE: 7,610 MTU
    - USEC: 7,433 MTU



A remotely-controlled overhead crane is used to move a cylinder containing technetium-contaminated uranium hexafluoride into an autoclave where it will be heated. The material inside turns from a solid into a liquid and is fed through a trapping system that removes contaminants.



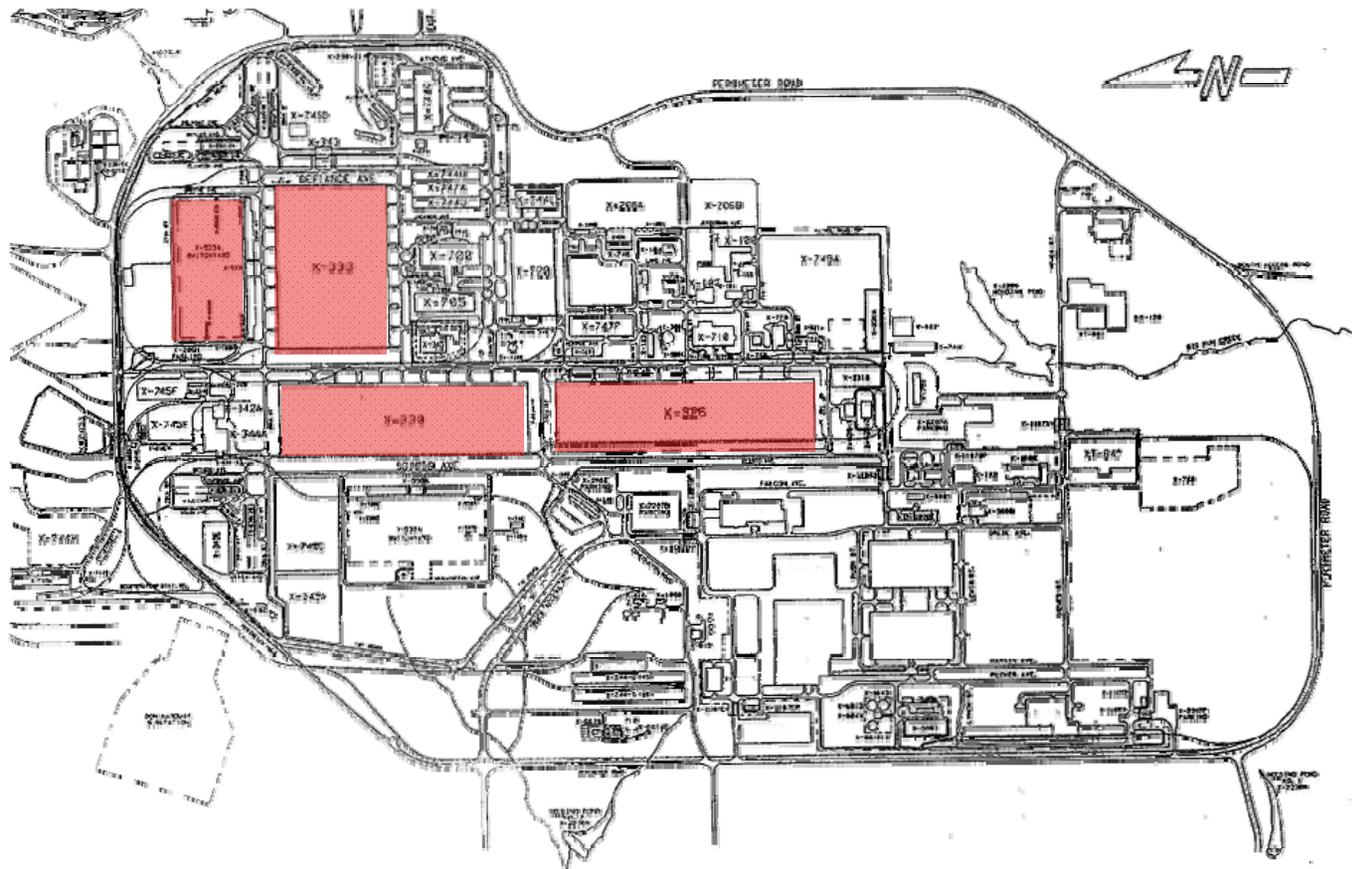
**EM** Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

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# Cold Shutdown

- Maintenance of Gaseous Diffusion Process buildings, equipment and support facilities as well as preparation of such facilities for eventual decontamination and decommissioning.



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# Cold Shutdown



A 12-inch cylinder is lowered into a cold trap, where it will be filled with uranium hexafluoride (UF<sub>6</sub>) recovered from the X-326 Highly Enriched Uranium deposit removal project.



Installation of Electrical Conduit to provide power to dry pipe fire suppression system in X-330.

## Deposit Removal

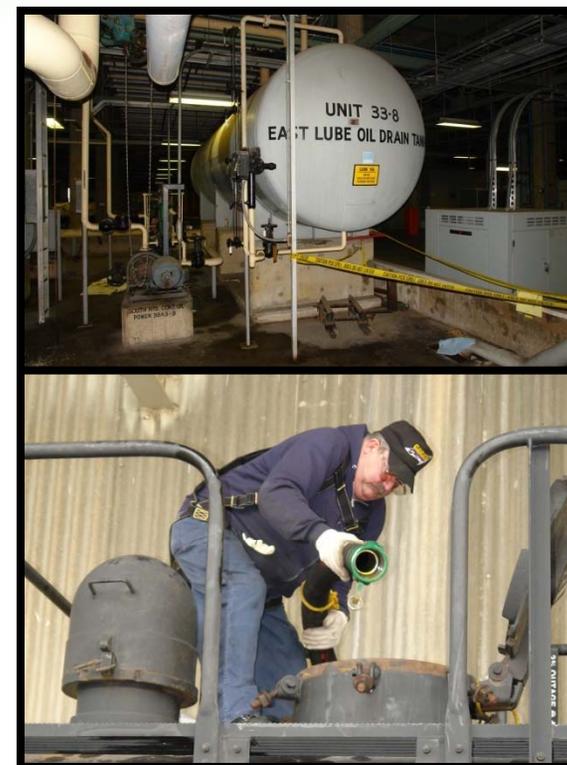
- Chemical removal of uranium deposits residing in the shut down gaseous diffusion process equipment.

## Safety System Installation

- Dry pipe fire suppression systems were installed in two of the three process buildings in 2008. New system eliminates freezing hazard of original sprinkler systems.

## Oils Removal

- In preparation for D&D, USEC is removing TSCA regulated oils and lubricating oils from the three gaseous diffusion process buildings.
- A contract is in place with Clean Harbors, Texas, to incinerate lube oils from Portsmouth. (1st rail shipment in April 2009)



	Shipments / Planned Shipments	
	Pyranol X-330/X-333	Lube X-330/X-333/X-326
2006	224,460	379,593
2007	159,216	239,440
2008	79,608	276,670
2009	2,010,472	1,063,314
2010		TBD
	Amounts in pounds	



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# Facility De-Lease

- **USEC** currently holds a lease on many of the buildings and facilities that **DOE** has identified for future **D&D**.
- **A USEC** team has been formed to expedite de-lease schedule to support **DOE's** **D&D** closure plans.
- **Intent to provide DOE** a listing of facilities with a commitment to support **D&D** schedule.





## Department of Energy

Portsmouth/Paducah Project Office  
1017 Majestic Drive, Suite 200  
Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

Mr. John A. Miller, Chairperson  
Pokagon Band of Potawatomi Indians  
P.O. Box 180  
58620 Sink Road  
Dowagiac, Michigan 49047

PPPO-03-145-09

Dear Mr. Miller:

### **INTEREST AS A CONSULTING PARTY IN THE NATIONAL HISTORIC PRESERVATION ACT SECTION 106 CONSULTATION PROCESS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT IN PIKE COUNTY, OHIO**

The U.S. Department of Energy (DOE) is engaged in an environmental cleanup program at the Portsmouth Gaseous Diffusion Plant near Piketon, Ohio. The site is located in south central Ohio, approximately 70 miles south of Columbus and 22 miles north of the Ohio River.

The Portsmouth Gaseous Diffusion Plant is a former uranium enrichment plant in Pike County that was built in 1952 and ceased operations in 2001. (Please see the attached maps and photo.) The plant is currently in cold shutdown awaiting final decontamination and decommissioning of the buildings. An environmental cleanup project has been ongoing by DOE since 1989 under consent agreements with the state of Ohio, the Ohio Environmental Protection Agency, and the U.S. Environmental Protection Agency.

To date, DOE has included the Ohio Historic Preservation Office (OHPO), the Advisory Council for Historic Preservation (ACHP) and a local historian as consulting parties under the Section 106 review process for federal undertakings at the plant. Reports on a Phase I Archaeological Survey, a Phase II National Register of Historic Places (NRHP) Assessment study of site 33Pk210 and a Phase I History/Architecture Survey have been submitted to the OHPO.

The Phase I Archaeological Survey, conducted in 1997 on the DOE property, identified 34 archaeological sites and two historic-era cemeteries. Of the 34 archaeological sites, 13 were historic-era farmstead ruins, 12 were historic-era refuse dumps and nine were prehistoric-era Native American sites. Only one of the prehistoric sites (33Pk210) contained sufficient evidence to warrant further study; the other eight prehistoric sites were small and only produced a few flint flakes each. A Phase II NRHP Assessment study of site 33Pk210 was completed in 2003, and the OHPO agreed with the conclusions of the Phase II study stating that the portion of site 33Pk210 on DOE property does not meet NRHP criteria for inclusion on the National Register of Historic Places. The OHPO could not conclude that the entire site did not meet the criteria for National Register eligibility since part of the site may extend onto private property that was not evaluated; however, the OHPO did concur that no further archaeological testing by DOE was necessary for site 33Pk210 on DOE property. Consultations have also been completed on individual projects to

remove inactive federal structures associated with the former uranium enrichment plant that are no longer needed.

DOE is requesting any information you may have regarding any prehistoric or historic district, site, building, structure or object within the Portsmouth Gaseous Diffusion Plant. These could be properties of traditional religious or cultural importance, as well as properties or objects included in, or potentially eligible for inclusion in, the National Register of Historic Places. Any information you could provide in this matter will help assure appropriate consideration in DOE's NHPA activities in the Section 106 process.

Several projects are being planned in the near future under the American Recovery and Reinvestment Act stimulus funding bill to remove additional inactive facilities. In addition, DOE has issued a draft request for proposals for the planned decontamination and decommissioning of the former production facilities and support buildings on-site.

Although there are no federally recognized Indian tribes in the state of Ohio, DOE is aware that there are Native American federally-recognized tribal authorities historically associated with Ohio, including Pokagon Band of Potawatomi Indians. DOE has obtained your contact information through the Native American Consultation Database (NACD).

Please notify us in writing, at your earliest convenience, if you have any cultural resource information as described above relating to the Portsmouth site and if you wish to participate as a consulting party for future undertakings at the site. You may contact David Kozlowski or Kristi Wiehle of my staff at (740) 897-2759 or (740) 897-5020, respectively, with any questions.

Sincerely,



William E. Murphie  
Manager

Portsmouth/Paducah Project Office

Enclosures:

Site Maps (3) and Photo

cc w/enclosures:

T. McCullough, ACHP

D. Snyder, OHPO

B. Beekman, Pike County Commissioners

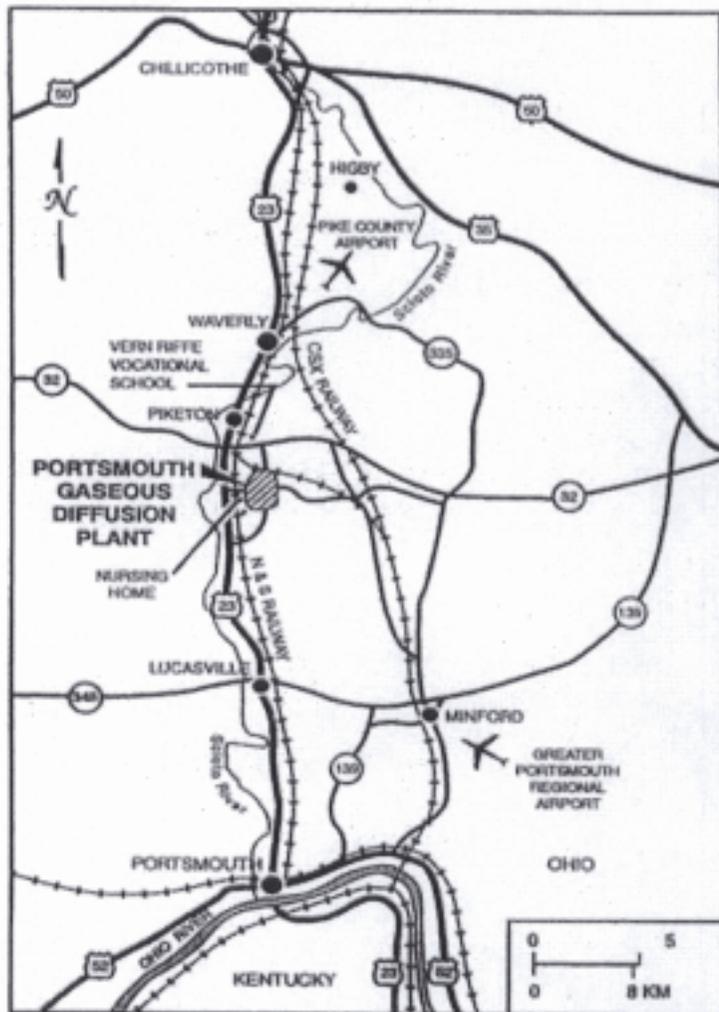
D. Kozlowski, PPPO/PORTS

K. Wiehle, PPPO/PORTS

L. Roenker, PPPO/LEX

[Skip.Gosling@hq.doe.gov](mailto:Skip.Gosling@hq.doe.gov)











## Department of Energy

Portsmouth/Paducah Project Office  
1017 Majestic Drive, Suite 200  
Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

Ms. Charla K. Reeves, NAGPRA Contact  
Peoria Tribe of Indians of Oklahoma  
P.O. Box 1527  
Miami, Oklahoma 74355

PPPO-03-144-09

Dear Ms. Reeves:

### **INTEREST AS A CONSULTING PARTY IN THE NATIONAL HISTORIC PRESERVATION ACT SECTION 106 CONSULTATION PROCESS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT IN PIKE COUNTY, OHIO**

The U.S. Department of Energy (DOE) is engaged in an environmental cleanup program at the Portsmouth Gaseous Diffusion Plant near Piketon, Ohio. The site is located in south central Ohio, approximately 70 miles south of Columbus and 22 miles north of the Ohio River.

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DOE is requesting any information you may have regarding any prehistoric or historic district, site, building, structure or object within the Portsmouth Gaseous Diffusion Plant. These could be properties of traditional religious or cultural importance, as well as properties or objects included in, or potentially eligible for inclusion in, the National Register of Historic Places. Any information you could provide in this matter will help assure appropriate consideration in DOE's NHPA activities in the Section 106 process.

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Please notify us in writing, at your earliest convenience, if you have any cultural resource information as described above relating to the Portsmouth site and if you wish to participate as a consulting party for future undertakings at the site. You may contact David Kozlowski or Kristi Wiehle of my staff at (740) 897-2759 or (740) 897-5020, respectively, with any questions.

Sincerely,



 William E. Murphie  
Manager  
Portsmouth/Paducah Project Office

Enclosures:

Site Maps (3) and Photo

cc w/enclosures:

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D. Snyder, OHPO

B. Beekman, Pike County Commissioners

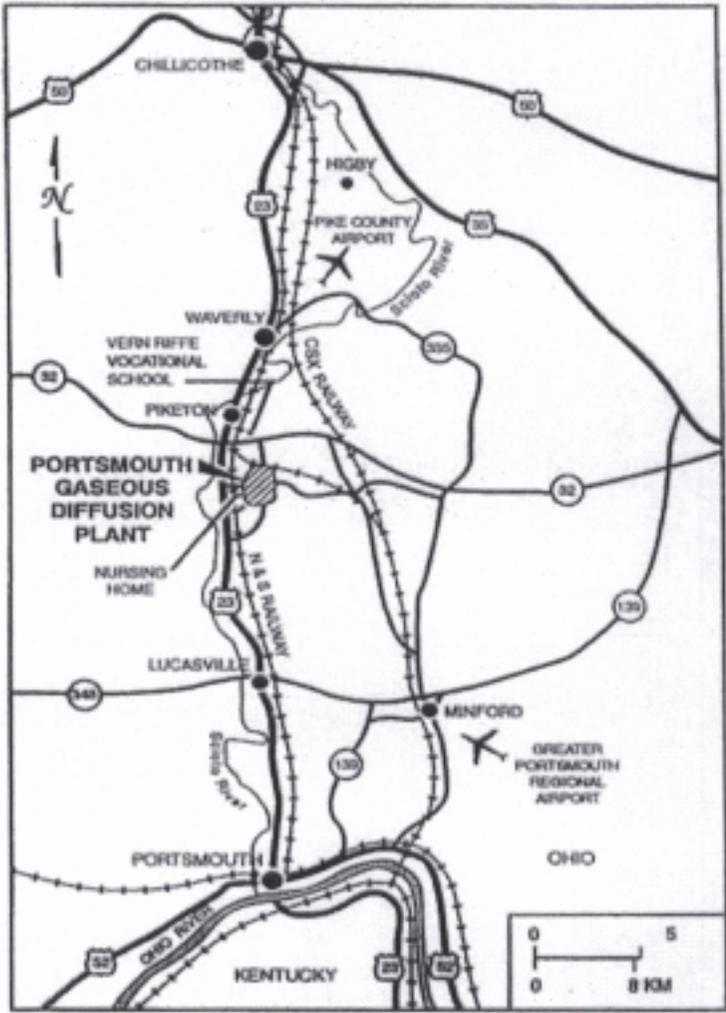
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K. Wiehle, PPPO/PORTS

L. Roenker, PPPO/LEX

[Skip.Gosling@hq.doe.gov](mailto:Skip.Gosling@hq.doe.gov)











## Department of Energy

Portsmouth/Paducah Project Office  
1017 Majestic Drive, Suite 200  
Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

Mr. Charles Todd, Chief  
Ottawa Tribe of Oklahoma  
P.O. Box 110  
811 Third Avenue NE  
Miami, Oklahoma 74355

PPPO-03-143-09

Dear Mr. Todd:

### **INTEREST AS A CONSULTING PARTY IN THE NATIONAL HISTORIC PRESERVATION ACT SECTION 106 CONSULTATION PROCESS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT IN PIKE COUNTY, OHIO**

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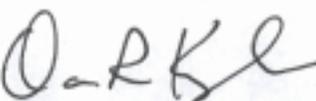
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Please notify us in writing, at your earliest convenience, if you have any cultural resource information as described above relating to the Portsmouth site and if you wish to participate as a consulting party for future undertakings at the site. You may contact David Kozlowski or Kristi Wiehle of my staff at (740) 897-2759 or (740) 897-5020, respectively, with any questions.

Sincerely,

  
A handwritten signature in black ink, appearing to read "W. Murphie", is written over a horizontal line.

William E. Murphie

Manager

Portsmouth/Paducah Project Office

Enclosures:

Site Maps (3) and Photo

cc w/enclosures:

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D. Snyder, OHPO

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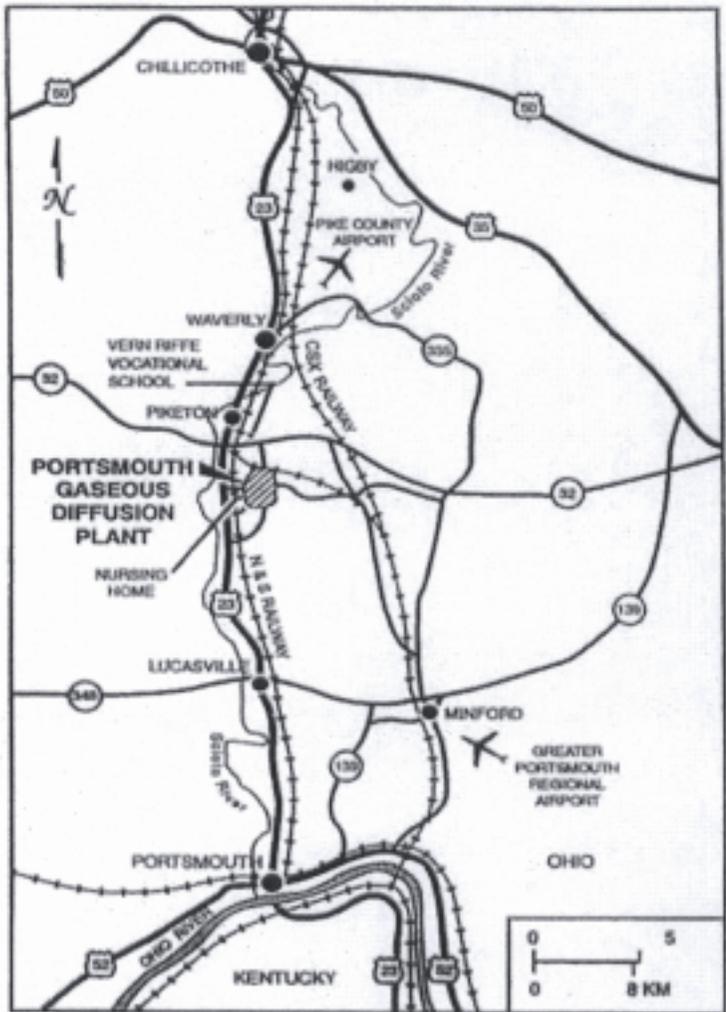
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## Department of Energy

Portsmouth/Paducah Project Office  
1017 Majestic Drive, Suite 200  
Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

Ms. Julie Olds, NAGPRA Contact  
Miami Tribe of Oklahoma  
P.O. Box 1326  
Miami, Oklahoma 74355-1326

PPPO-03-142-09

Dear Ms. Olds:

### **INTEREST AS A CONSULTING PARTY IN THE NATIONAL HISTORIC PRESERVATION ACT SECTION 106 CONSULTATION PROCESS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT IN PIKE COUNTY, OHIO**

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William E. Murphie  
Manager  
Portsmouth/Paducah Project Office

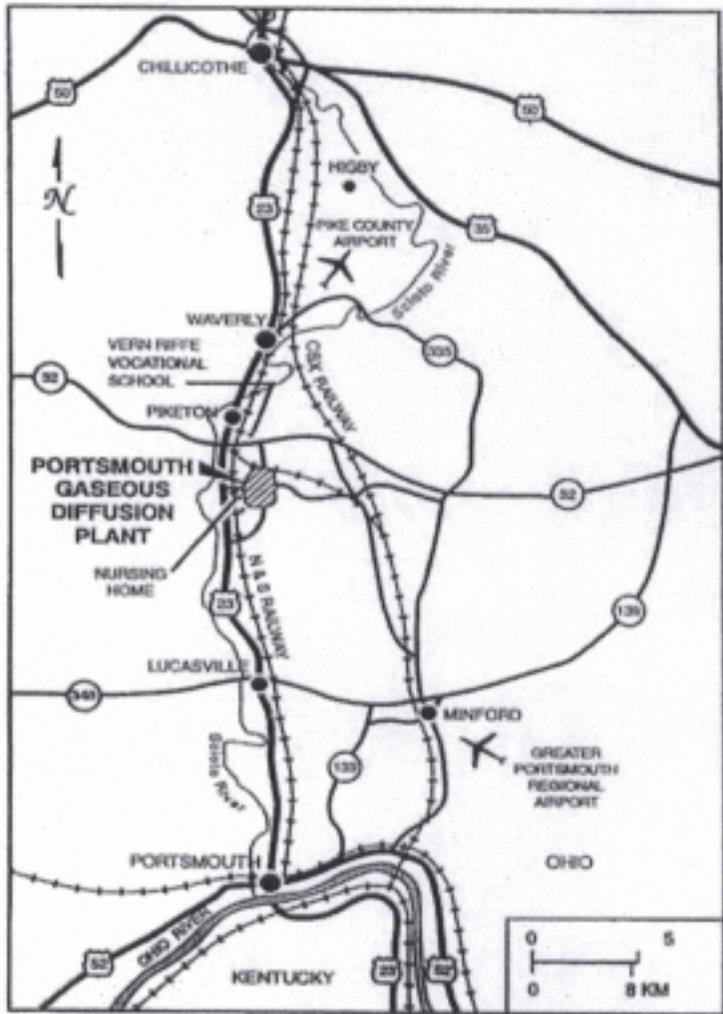
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## Department of Energy

Portsmouth/Paducah Project Office  
1017 Majestic Drive, Suite 200  
Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

Mr. Kenneth Meshiguad, Chairperson  
Hannahville Indian Community Council  
N14911 Hannahville B1 Road  
Wilson, Wisconsin 49896-9728

PPPO-03-141-09

Dear Mr. Meshiguad:

### **INTEREST AS A CONSULTING PARTY IN THE NATIONAL HISTORIC PRESERVATION ACT SECTION 106 CONSULTATION PROCESS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT IN PIKE COUNTY, OHIO**

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 William E. Murphie  
Manager  
Portsmouth/Paducah Project Office

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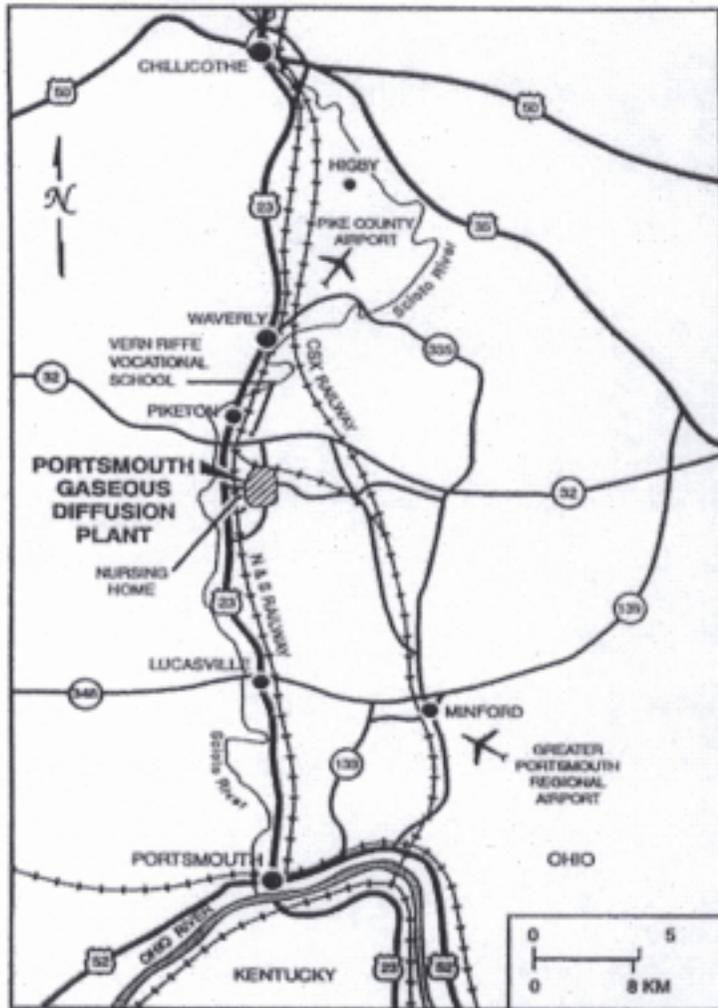
D. Kozlowski, PPPO/PORTS

K. Wiehle, PPPO/PORTS

L. Roenker, PPPO/LEX

[Skip.Gosling@hq.doe.gov](mailto:Skip.Gosling@hq.doe.gov)











## Department of Energy

Portsmouth/Paducah Project Office  
1017 Majestic Drive, Suite 200  
Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

Ms. Clarice M. Werle, NAGRPA Contact  
Forest County Potawatomi Community  
P.O. Box 340  
Crandon, Wisconsin 54520

PPPO-03-140-09

Dear Ms. Werle:

### **INTEREST AS A CONSULTING PARTY IN THE NATIONAL HISTORIC PRESERVATION ACT SECTION 106 CONSULTATION PROCESS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT IN PIKE COUNTY, OHIO**

The U.S. Department of Energy (DOE) is engaged in an environmental cleanup program at the Portsmouth Gaseous Diffusion Plant near Piketon, Ohio. The site is located in south central Ohio, approximately 70 miles south of Columbus and 22 miles north of the Ohio River.

The Portsmouth Gaseous Diffusion Plant is a former uranium enrichment plant in Pike County that was built in 1952 and ceased operations in 2001. (Please see the attached maps and photo.) The plant is currently in cold shutdown awaiting final decontamination and decommissioning of the buildings. An environmental cleanup project has been ongoing by DOE since 1989 under consent agreements with the state of Ohio, the Ohio Environmental Protection Agency, and the U.S. Environmental Protection Agency.

To date, DOE has included the Ohio Historic Preservation Office (OHPO), the Advisory Council for Historic Preservation (ACHP) and a local historian as consulting parties under the Section 106 review process for federal undertakings at the plant. Reports on a Phase I Archaeological Survey, a Phase II National Register of Historic Places (NRHP) Assessment study of site 33Pk210 and a Phase I History/Architecture Survey have been submitted to the OHPO.

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DOE is requesting any information you may have regarding any prehistoric or historic district, site, building, structure or object within the Portsmouth Gaseous Diffusion Plant. These could be properties of traditional religious or cultural importance, as well as properties or objects included in, or potentially eligible for inclusion in, the National Register of Historic Places. Any information you could provide in this matter will help assure appropriate consideration in DOE's NHPA activities in the Section 106 process.

Several projects are being planned in the near future under the American Recovery and Reinvestment Act stimulus funding bill to remove additional inactive facilities. In addition, DOE has issued a draft request for proposals for the planned decontamination and decommissioning of the former production facilities and support buildings on-site.

Although there are no federally recognized Indian tribes in the state of Ohio, DOE is aware that there are Native American federally-recognized tribal authorities historically associated with Ohio, including Forest County Potawatomi Community. DOE has obtained your contact information through the Native American Consultation Database (NACD).

Please notify us in writing, at your earliest convenience, if you have any cultural resource information as described above relating to the Portsmouth site and if you wish to participate as a consulting party for future undertakings at the site. You may contact David Kozlowski or Kristi Wiehle of my staff at (740) 897-2759 or (740) 897-5020, respectively, with any questions.

Sincerely,



 William E. Murphie  
Manager  
Portsmouth/Paducah Project Office

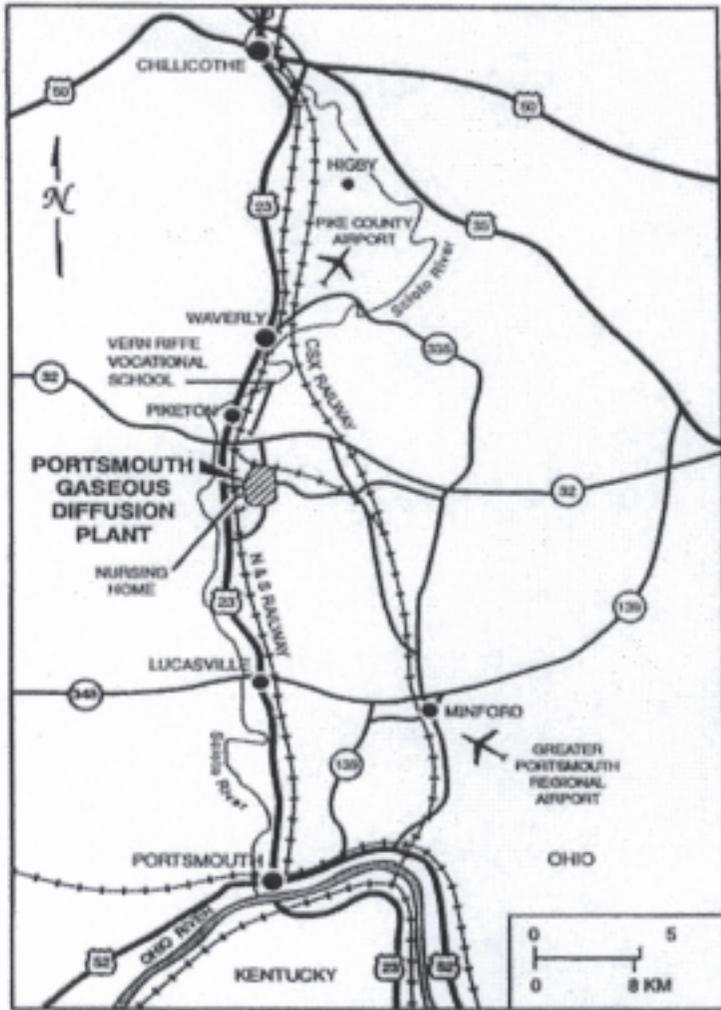
Enclosures:

Site Maps (3) and Photo

cc w/enclosures:

T. McCullough, ACHP  
D. Snyder, OHPO  
B. Beekman, Pike County Commissioners  
D. Kozlowski, PPPO/PORTS  
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Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

PPPO-03-139-09

[REDACTED]  
Eastern Shawnee Tribe of Oklahoma  
P.O. Box 350  
Seneca, Missouri 64865

### **INTEREST AS A CONSULTING PARTY IN THE NATIONAL HISTORIC PRESERVATION ACT SECTION 106 CONSULTATION PROCESS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT IN PIKE COUNTY, OHIO**

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Although there are no federally recognized Indian tribes in the state of Ohio, DOE is aware that there are Native American federally-recognized tribal authorities historically associated with Ohio, including Eastern Shawnee Tribe of Oklahoma. DOE has obtained your contact information through the Native American Consultation Database (NACD).

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Sincerely,



 William E. Murphie  
Manager  
Portsmouth/Paducah Project Office

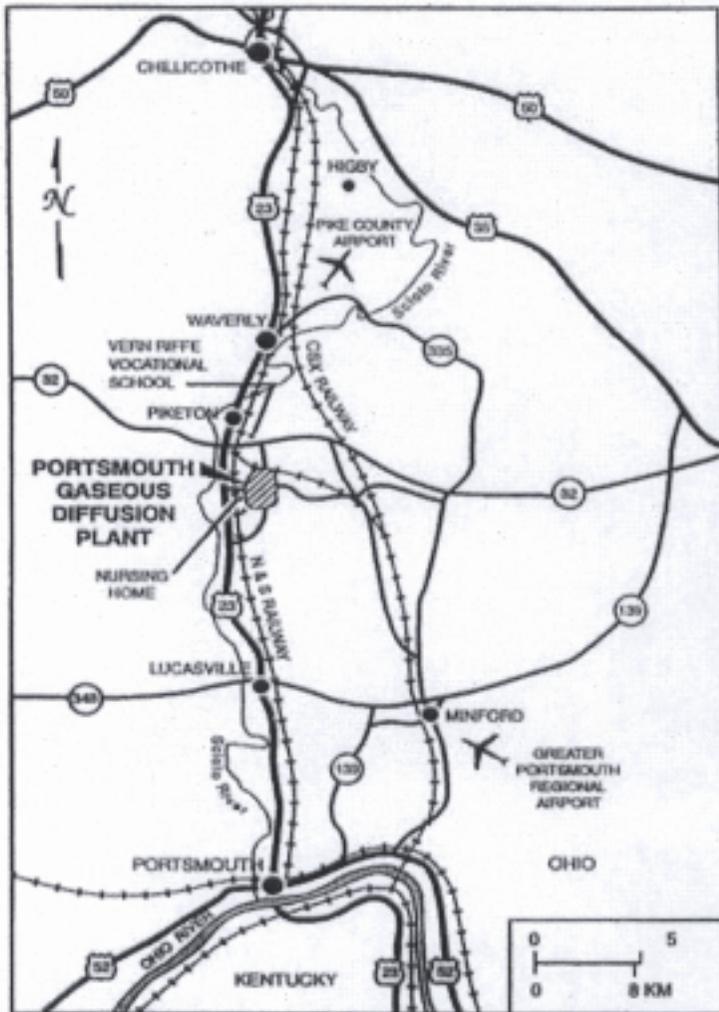
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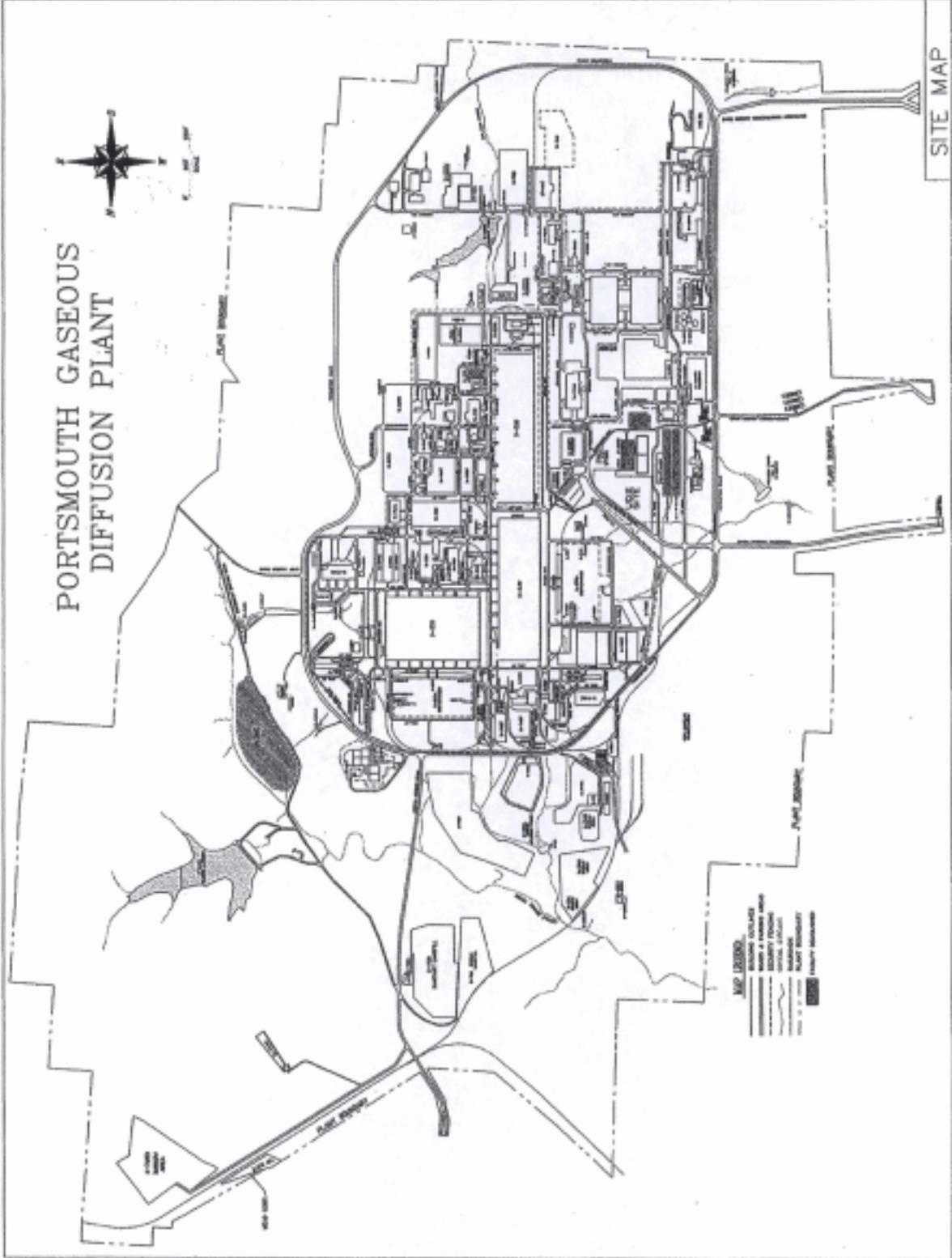
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D. Snyder, OHPO  
B. Beckman, Pike County Commissioners  
D. Kozlowski, PPPO/PORTS  
K. Wiehle, PPPO/PORTS  
L. Roenker, PPPO/LEX  
[Skip.Gosling@hq.doe.gov](mailto:Skip.Gosling@hq.doe.gov)





# PORTSMOUTH GASEOUS DIFFUSION PLANT



SITE MAP

- LEGEND**
- Buildings
  - Roads
  - Utility Lines
  - Water
  - Other
  - Plant Boundary
  - Plant Entrance





## Department of Energy

Portsmouth/Paducah Project Office  
1017 Majestic Drive, Suite 200  
Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

Mr. Edgar L. French, President  
Delaware Nation  
P.O. Box 825  
Anadarko, Oklahoma 73005

PPPO-03-138-09

Dear Mr. French:

### **INTEREST AS A CONSULTING PARTY IN THE NATIONAL HISTORIC PRESERVATION ACT SECTION 106 CONSULTATION PROCESS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT IN PIKE COUNTY, OHIO**

The U.S. Department of Energy (DOE) is engaged in an environmental cleanup program at the Portsmouth Gaseous Diffusion Plant near Piketon, Ohio. The site is located in south central Ohio, approximately 70 miles south of Columbus and 22 miles north of the Ohio River.

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Several projects are being planned in the near future under the American Recovery and Reinvestment Act stimulus funding bill to remove additional inactive facilities. In addition, DOE has issued a draft request for proposals for the planned decontamination and decommissioning of the former production facilities and support buildings on-site.

Although there are no federally recognized Indian tribes in the state of Ohio, DOE is aware that there are Native American federally-recognized tribal authorities historically associated with Ohio, including Delaware Nation. DOE has obtained your contact information through the Native American Consultation Database (NACD).

Please notify us in writing, at your earliest convenience, if you have any cultural resource information as described above relating to the Portsmouth site and if you wish to participate as a consulting party for future undertakings at the site. You may contact David Kozlowski or Kristi Wiehle of my staff at (740) 897-2759 or (740) 897-5020, respectively, with any questions.

Sincerely,



 William E. Murphie  
Manager  
Portsmouth/Paducah Project Office

Enclosures:

Site Maps (3) and Photo

cc w/enclosures:

T. McCullough, ACHP

D. Snyder, OHPO

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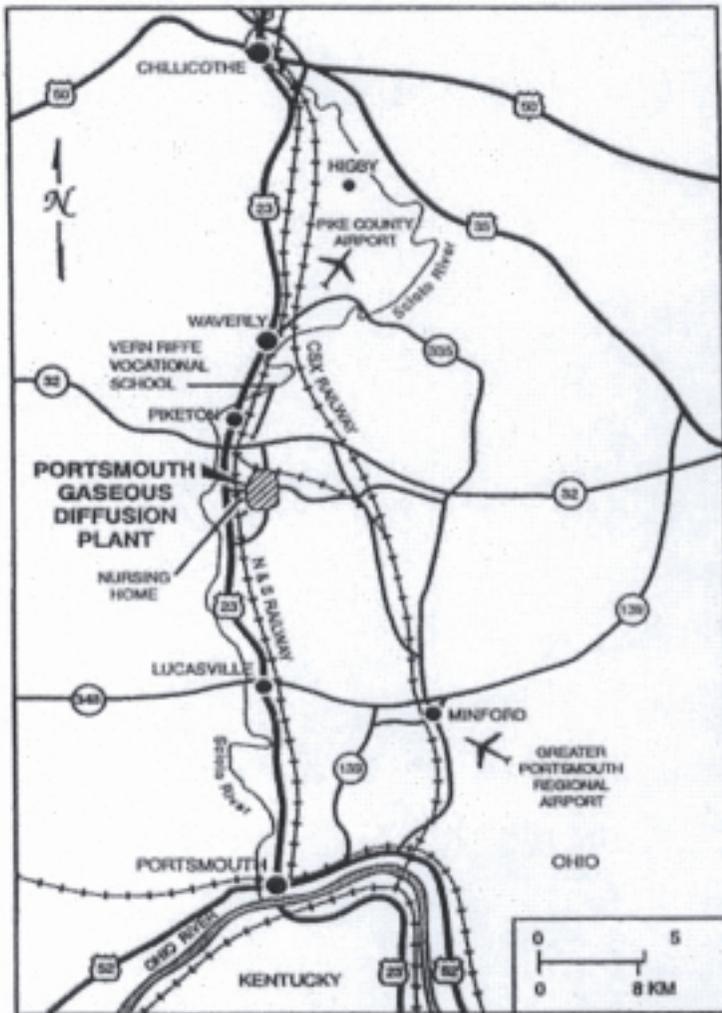
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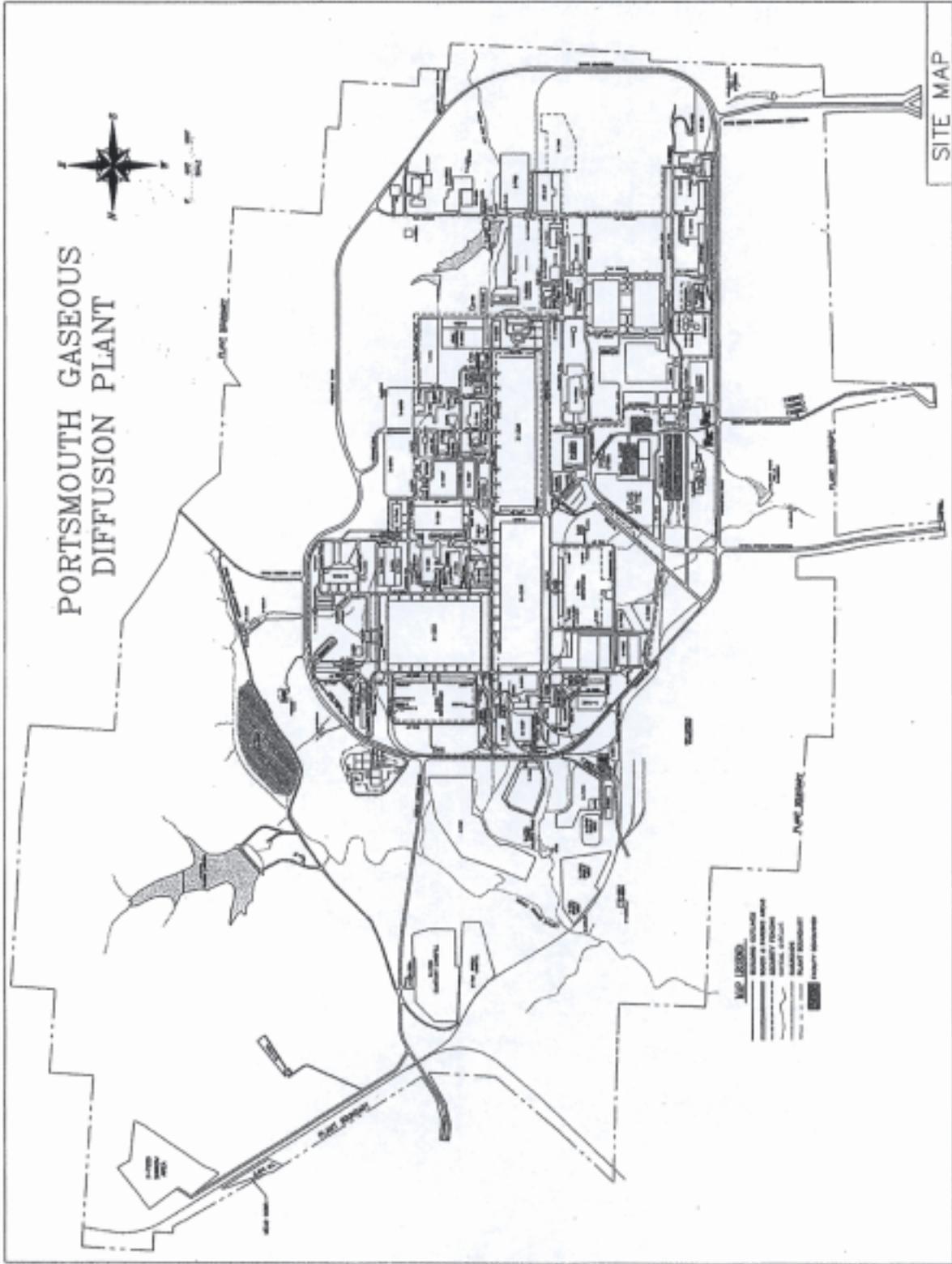
K. Wiehle, PPPO/PORTS

L. Roenker, PPPO/LEX

[Skip.Gosling@hq.doe.gov](mailto:Skip.Gosling@hq.doe.gov)











## Department of Energy

Portsmouth/Paducah Project Office  
1017 Majestic Drive, Suite 200  
Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

Mr. John A. Barrett, Chairperson  
Citizen Potawatomi Nation  
1601 S. Gordon Cooper Drive  
Shawnee, Oklahoma 74801

PPPO-03-137-09

Dear Mr. Barrett:

### **INTEREST AS A CONSULTING PARTY IN THE NATIONAL HISTORIC PRESERVATION ACT SECTION 106 CONSULTATION PROCESS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT IN PIKE COUNTY, OHIO**

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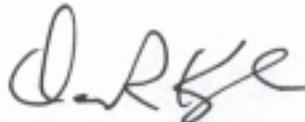
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Please notify us in writing, at your earliest convenience, if you have any cultural resource information as described above relating to the Portsmouth site and if you wish to participate as a consulting party for future undertakings at the site. You may contact David Kozlowski or Kristi Wiehle of my staff at (740) 897-2759 or (740) 897-5020, respectively, with any questions.

Sincerely,



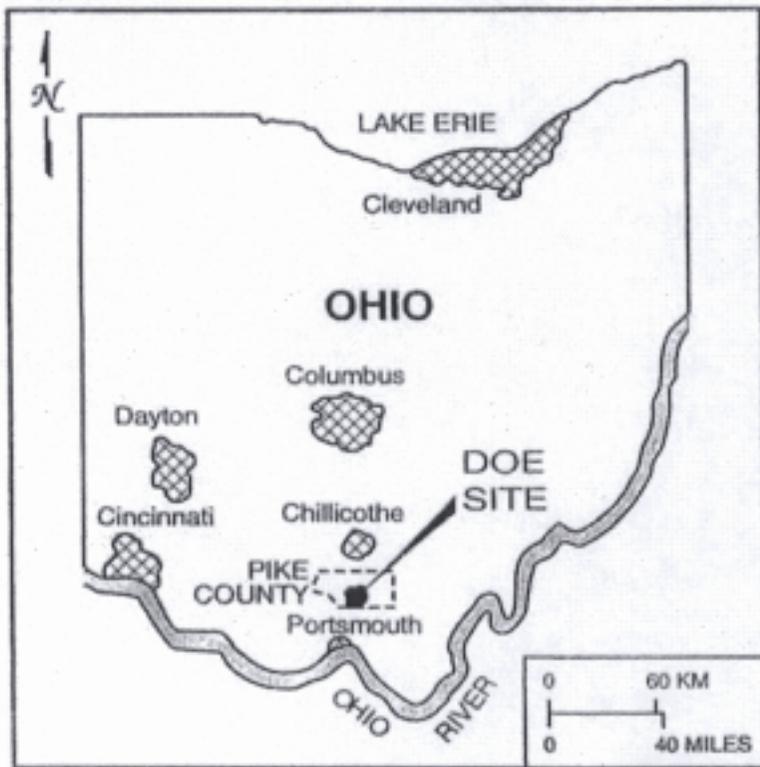
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Manager  
Portsmouth/Paducah Project Office

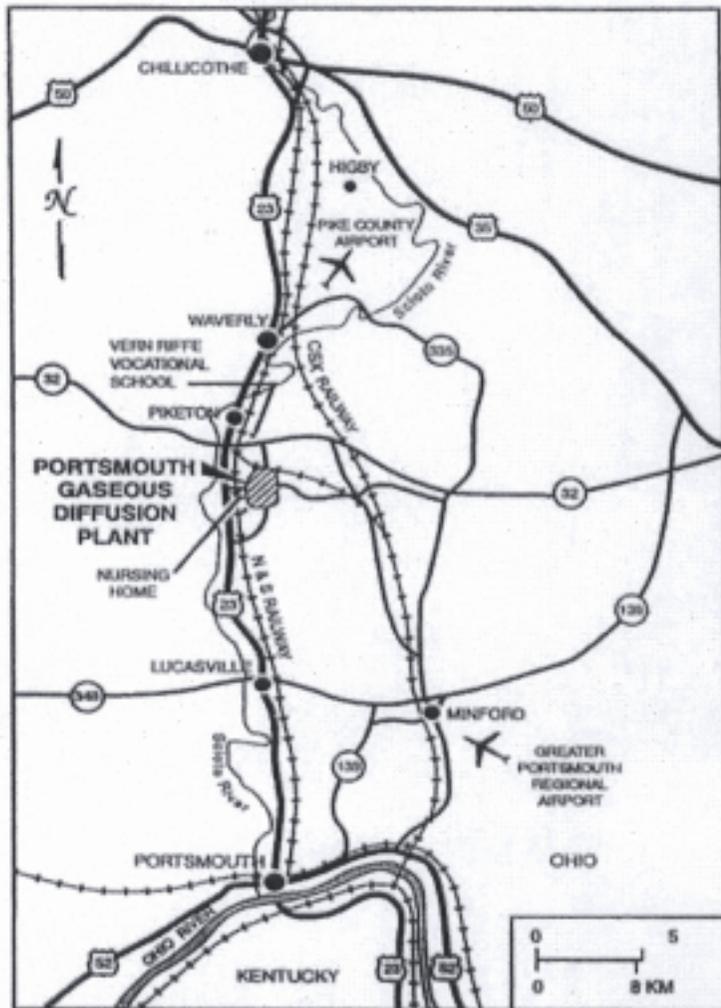
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Site Maps (3) and Photo

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## Department of Energy

Portsmouth/Paducah Project Office  
1017 Majestic Drive, Suite 200  
Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

Ms. Sherri Clemons, NAGPRA Contact  
Wyandotte Tribe of Oklahoma  
P.O. Box 250  
Wyandotte, Oklahoma 74370

PPPO-03-149-09

Dear Ms. Clemons:

### **INTEREST AS A CONSULTING PARTY IN THE NATIONAL HISTORIC PRESERVATION ACT SECTION 106 CONSULTATION PROCESS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT IN PIKE COUNTY, OHIO**

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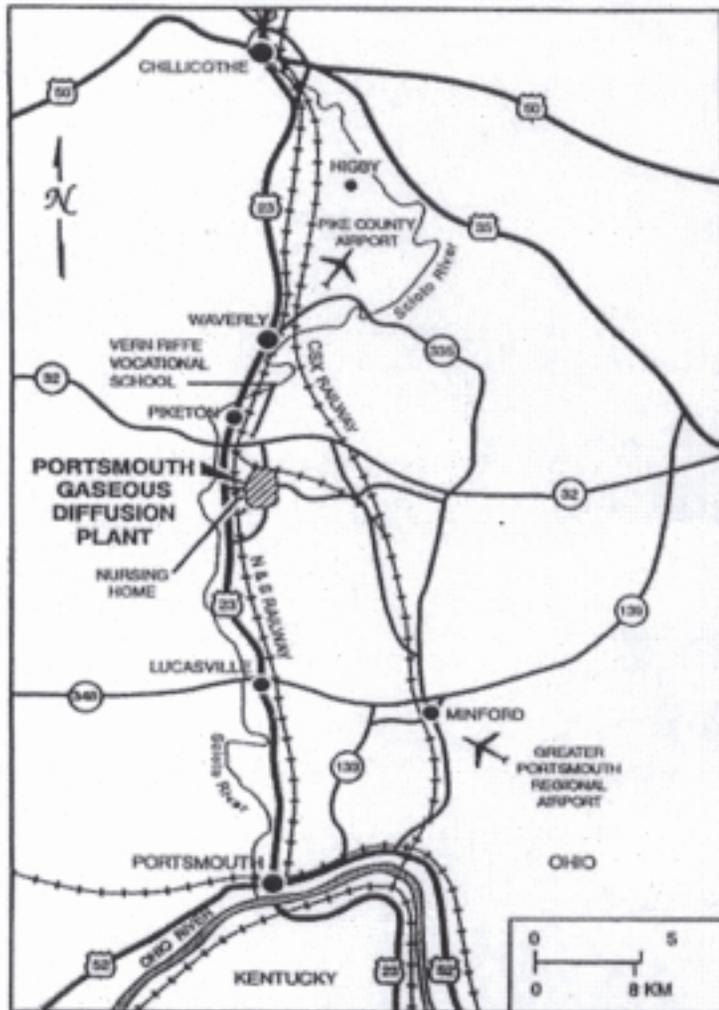
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## Department of Energy

Portsmouth/Paducah Project Office  
1017 Majestic Drive, Suite 200  
Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

Mr. Trayce Stanhoff, Chairperson  
Prairie Band of Potawatomi Nation  
16281 Q Road  
Mayetta, Kansas 66509

PPPO-03-146-09

Dear Mr. Stanhoff:

### **INTEREST AS A CONSULTING PARTY IN THE NATIONAL HISTORIC PRESERVATION ACT SECTION 106 CONSULTATION PROCESS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT IN PIKE COUNTY, OHIO**

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Manager  
Portsmouth/Paducah Project Office

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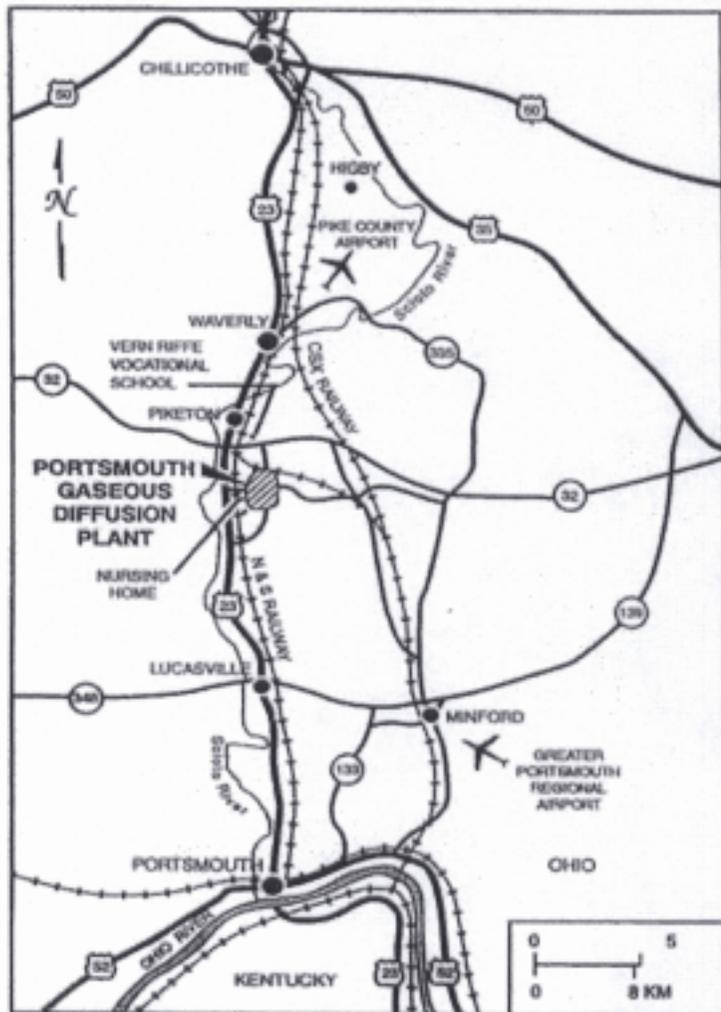
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## Department of Energy

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Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

Mr. Kenneth Davis, Chairperson  
Turtle Mountain Band of Chippewa  
P.O. Box 900  
Belcourt, North Dakota 58316

PPPO-03-148-09

Dear Mr. Davis:

### **INTEREST AS A CONSULTING PARTY IN THE NATIONAL HISTORIC PRESERVATION ACT SECTION 106 CONSULTATION PROCESS FOR THE PORTSMOUTH GASEOUS DIFFUSION PLANT IN PIKE COUNTY, OHIO**

The U.S. Department of Energy (DOE) is engaged in an environmental cleanup program at the Portsmouth Gaseous Diffusion Plant near Piketon, Ohio. The site is located in south central Ohio, approximately 70 miles south of Columbus and 22 miles north of the Ohio River.

The Portsmouth Gaseous Diffusion Plant is a former uranium enrichment plant in Pike County that was built in 1952 and ceased operations in 2001. (Please see the attached maps and photo.) The plant is currently in cold shutdown awaiting final decontamination and decommissioning of the buildings. An environmental cleanup project has been ongoing by DOE since 1989 under consent agreements with the state of Ohio, the Ohio Environmental Protection Agency, and the U.S. Environmental Protection Agency.

To date, DOE has included the Ohio Historic Preservation Office (OHPO), the Advisory Council for Historic Preservation (ACHP) and a local historian as consulting parties under the Section 106 review process for federal undertakings at the plant. Reports on a Phase I Archaeological Survey, a Phase II National Register of Historic Places (NRHP) Assessment study of site 33Pk210 and a Phase I History/Architecture Survey have been submitted to the OHPO.

The Phase I Archaeological Survey, conducted in 1997 on the DOE property, identified 34 archaeological sites and two historic-era cemeteries. Of the 34 archaeological sites, 13 were historic-era farmstead ruins, 12 were historic-era refuse dumps and nine were prehistoric-era Native American sites. Only one of the prehistoric sites (33Pk210) contained sufficient evidence to warrant further study; the other eight prehistoric sites were small and only produced a few flint flakes each. A Phase II NRHP Assessment study of site 33Pk210 was completed in 2003, and the OHPO agreed with the conclusions of the Phase II study stating that the portion of site 33Pk210 on DOE property does not meet NRHP criteria for inclusion on the National Register of Historic Places. The OHPO could not conclude that the entire site did not meet the criteria for National Register eligibility since part of the site may extend onto private property that was not evaluated; however, the OHPO did concur that no further archaeological testing by DOE was necessary for site 33Pk210 on DOE property. Consultations have also been completed on individual projects to remove inactive federal structures associated with the former uranium enrichment plant that are no longer needed.

DOE is requesting any information you may have regarding any prehistoric or historic district, site, building, structure or object within the Portsmouth Gaseous Diffusion Plant. These could be properties of traditional religious or cultural importance, as well as properties or objects included in, or potentially eligible for inclusion in, the National Register of Historic Places. Any information you could provide in this matter will help assure appropriate consideration in DOE's NHPA activities in the Section 106 process.

Several projects are being planned in the near future under the American Recovery and Reinvestment Act stimulus funding bill to remove additional inactive facilities. In addition, DOE has issued a draft request for proposals for the planned decontamination and decommissioning of the former production facilities and support buildings on-site.

Although there are no federally recognized Indian tribes in the state of Ohio, DOE is aware that there are Native American federally-recognized tribal authorities historically associated with Ohio, including Turtle Mountain Band of Chippewa. DOE has obtained your contact information through the Native American Consultation Database (NACD).

Please notify us in writing, at your earliest convenience, if you have any cultural resource information as described above relating to the Portsmouth site and if you wish to participate as a consulting party for future undertakings at the site. You may contact David Kozlowski or Kristi Wiehle of my staff at (740) 897-2759 or (740) 897-5020, respectively, with any questions.

Sincerely,



William E. Murphie  
Manager  
Portsmouth/Paducah Project Office

Enclosures:

Site Maps (3) and Photo

cc w/enclosures:

T. McCullough, ACHP

D. Snyder, OHPO

B. Beekman, Pike County Commissioners

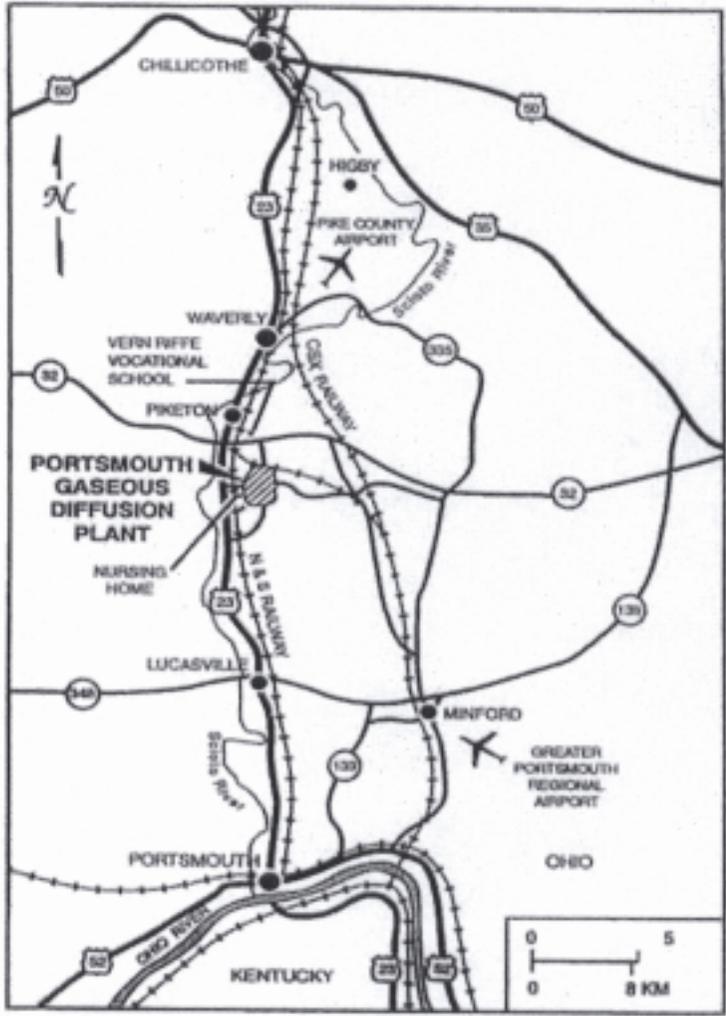
D. Kozlowski, PPPO/PORTS

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## Department of Energy

Portsmouth/Paducah Project Office  
1017 Majestic Drive, Suite 200  
Lexington, Kentucky 40513  
(859) 219-4000

APR 02 2009

Mr. Ron Sparkman, Chairperson  
Shawnee Tribe  
P.O. Box 189  
Miami, Oklahoma 74355

PPPO-03-147-09

Dear Mr. Sparkman:

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Although there are no federally recognized Indian tribes in the state of Ohio, DOE is aware that there are Native American federally-recognized tribal authorities historically associated with Ohio, including Shawnee Tribe. DOE has obtained your contact information through the Native American Consultation Database (NACD).

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