

**Project Operating Plan – Portsmouth: Recovery Act Project  
DRAFT – PREDECISIONAL DOCUMENT**

**Portsmouth: Recovery Act Project  
Project Operating Plan**

**BACKGROUND**

<b>Recovery Act Project:</b>	Portsmouth: Recovery Act Project
<b>TAFS:</b>	89-09/10-5657 UED&D EM - American Recovery and Reinvestment Act of 2009
<b>Project Identification Code:</b>	2002130
<b>Recovery Act Bill Reference:</b>	Title IV Energy and Water Development, Uranium Enrichment Decontamination and Decommissioning Fund
<b>Project Cost:</b>	\$118.2M
<b>Budget Authority:</b>	05998, FF.01.12.00.0, \$118.2M
<b>Program Office:</b>	Environmental Management (EM)
<b>Recovery Program Plan:</b>	Uranium Enrichment Decontamination and Decommissioning
<b>Management Office:</b>	Portsmouth/Paducah Project Office, William E. Murphie (859) 219-4001

**LEAD**

<b>Implementation:</b>	Environmental Management
<b>Breakthrough:</b>	N/A
<b>Laboratory:</b>	N/A

**I. SUMMARY & OBJECTIVES**

**Summary:**

Investment in this project will accelerate the complete demolition of three surplus building complexes (12 individual buildings) at the Portsmouth Gaseous Diffusion Plant, remediation of 65 acres of contaminated soil, and disposition of excess uranium material. This will create or preserve jobs for the available existing skilled workforce to immediately execute this project. Specific accomplishments include:

- Accelerates complete removal of all X-533 Switchyard structures, including associated contaminated soils
- Accelerates complete removal of 58 cooling towers and the pumphouse in the X-633 area, including associated contaminated soils
- Accelerates complete removal of the X-760 Chemical Engineering Building, including associated contaminated soils
- Evaluate and remediate the primary trichloroethene (TCE) source of contamination in the areal extent of the ongoing source area, as defined in the *Ohio EPA's Decision Document for the SWMU Quadrant II of the Portsmouth Facility, Piketon, Ohio Dated December 2003 (X-701B Decision Document)*
- Accelerates treatment and disposition of approximately 2,300 large, low enriched uranium (LEU) cylinders
- Accelerates repackaging and disposition of approximately 13 lots of uranium material

It is anticipated that implementation of the Portsmouth Recovery Act Project will result in an overall one year acceleration of the Life Cycle Baseline, valued at approximately \$180M in 2008 dollars.

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The Portsmouth regulators and the site specific advisory board strongly support acceleration of this proposed work for decontamination and decommissioning (D&D), soil remediation, and uranium disposition. It is anticipated that the Southern Ohio Diversification Initiative (SODI), a community reuse organization, will express interest in reuse/recycle of surplus materials and equipment.

The National Energy Policy Act of 1992 assigned the Secretary of the Department of Energy (DOE) the responsibility to D&D the uranium enrichment gaseous diffusion plants. In addition to the D&D of the gaseous diffusion plant being a legal mandate, it is also an effective method to reduce risks and limit long-term costs associated with disposition of excess facilities and systems at the site. This project accelerates the D&D responsibilities of the Environmental Management Program.

Scope for these activities is included in the Portsmouth Life Cycle Baseline. Acceleration of this scope will require a baseline change proposal (BCP) to incorporate the Recovery Act Project scope into the performance baseline. It is anticipated that implementation of the Portsmouth Recovery Act Project will result in an overall one year acceleration of the Life Cycle Baseline.

Financial awards will not be utilized within this project.

This Recovery Act work ties to the following DOE and EM Strategic Goals and Themes:

DOE Strategic Goal 4 – Environmental Responsibility – Protecting the environment by providing a responsible resolution to the environmental legacy of nuclear weapons production.

DOE Strategic Goal 5 – Management and Excellence – Enabling the Department’s mission through sound management and business practices.

EM Goals – To safely disposition large volumes of nuclear waste; safeguard materials that could be used in nuclear weapons; deactivate and decommission thousands of contaminated facilities no longer needed by the Department to carry on its current mission; EM is fulfilling its commitments to reduce overall risk and complete cleanup across all sites for generations to come.

### **Public Benefits:**

This project offers the following public benefits:

- Creation/preservation of onsite jobs
- Creation of additional indirect jobs within the community
- Stimulation of the area economy by making available to the local community reuse organization potential surplus equipment
- Restoration of approximately 65 acres (9% of the total footprint within the security fence) for future economic development
- Reduction of risk to the general public as well as onsite workers to chemical exposure
- Reduction of life cycle costs associated with D&D of the Gaseous Diffusion Plant through elimination of one year of project schedule

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**Recovery Act Project Impacts:**

Completion of this project supports DOE’s major priority of National Security and Legacy by providing a responsible resolution to the environmental legacy of nuclear weapons production. It also results in the D&D of 12 structures originally constructed as part of the nuclear weapons complex.

The EM cleanup mission at Portsmouth will be accelerated, reducing the life cycle costs and associated risks. There are no anticipated technological or deployment barriers eliminated.

It is anticipated that implementation of the Portsmouth Recovery Act Project will result in an overall one year acceleration of the Life Cycle Baseline, valued at approximately \$180M in 2008 dollars.

**II. COST & SCHEDULE**

**Budget**

**Table 1a: Budget Implementation 12 Week Obligations (\$M)**

	Week of ARRA Activities (Beginning Week of March 9)											
	1	2	3	4	5	6	7	8	9	10	11	12
<b>Portsmouth Recovery Act Project</b>												

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**Table 1b: Budget Implementation 12 Week Expenditures (\$M)**

	Week of ARRA Activities (Beginning Week of March 9)											
	1	2	3	4	5	6	7	8	9	10	11	12
<b>Portsmouth Recovery Act Project</b>												

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**Table 2a: Budget Implementation Monthly & Yearly Obligations (\$M)**

	FY 2009 Q3			FY 2009 Q4			FY 2010 Q1			
	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
<b>Portsmouth Recovery Act Project</b>	FY 2010 Q2			FY 2010 Q3			FY 2010 Q4			
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	
	FY 2011 Q1			FY 2011 Q2			FY 2011 Q3 & Q4			
	Oct	Nov	Dec	Jan	Feb	Mar	Apr – Sept			
	FY 2012			FY 2013			FY 2014		FY 2015	

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**Table 2b: Budget Implementation Monthly & Yearly Expenditures (\$M)**

	FY 2009 Q3			FY 2009 Q4			FY 2010 Q1			
	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	
<b>Portsmouth Recovery Act Project</b>	FY 2010 Q2			FY 2010 Q3			FY 2010 Q4			
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	
	FY 2011 Q1			FY 2011 Q2			FY 2011 Q3 & Q4			
	Oct	Nov	Dec	Jan	Feb	Mar	Apr – Sept			
	FY 2012			FY 2013			FY 2014		FY 2015	

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**NOTES:** Project schedule and obligations and expenditure forecasts assume an allocation of funds on April 28, 2009. This will result in an immediate work start.

Funds Returned and Offsetting Collections

Recovery Act Project does not anticipate generating any returned funds or offsetting collections.

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**Table 3: Funds Returned and Offsetting Collections (\$M)**

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15
[Provide description and amounts for Funds Returned and Offsetting Collections]							

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Indirect Costs

In accordance with the indirect cost definition provided in the Project Operating Plan instructions dated March 4, 2009, indirect costs associated with site operations (e.g., GFSI) will be covered using base program dollars.

Changes to Baseline Budget

**Table 4: Changes to Baseline Budgets (\$M) [ENTER INTO SHAREPOINT DIRECTLY]**

Changes to Baseline Budget	Increase/Decrease	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15
Program Direction After FY 2010	No change							
Continuation of New Programs	No change							
Project Acceleration	No change							

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**NOTES:**

It is anticipated that implementation of the Portsmouth Recovery Act Project will result in an overall one year acceleration of the Life Cycle Baseline, valued at approximately \$180M in 2008 dollars.

**Milestones:**

The milestones for the Portsmouth Recovery Act Project are provided below as well as in an attached Excel spreadsheet. Milestone dates are conceptual and will be adjusted based on detailed cost estimates, field implementation schedules, and implementation contracting for the activities.

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Weekly/Monthly Milestones*	DATE	Comments
Issue Change Order for planning work activities	4/30/2009	Assumes funding at PPPO
X-701B Waste Profile Development Initiated	5/9/2009	
Large LEU Cylinders Facility & Operations Preparation Start	Jun-09	
UMC Repackaging Activities Start		
X-633 Facility Returned to DOE	Jul-09	<p>The return of the facility to DOE must take place before field mobilization.</p> <p>PPPO/USEC Binding Agreement issues and differences in lease language interpretation may impact timing of facility return to DOE.</p>
X-533 Facility Returned to DOE	Aug-09	<p>The return of the facility to DOE must take place before field mobilization.</p> <p>PPPO/USEC Binding Agreement issues and differences in lease language interpretation may impact timing of facility return to DOE.</p>
X-533 Field Work Start		
X-633 Field Work Start		
X-701B Waste Profile Development Complete		
UMC Disposition of Material Start		
X-760 Facility Returned to DOE	Sep-09	<p>The return of the facility to DOE must take place before field mobilization.</p> <p>PPPO/USEC Binding Agreement issues and differences in lease language interpretation may impact timing of facility return to DOE.</p>
X-760 Field Work Start		
	Oct-09	

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Weekly/Monthly Milestones*	DATE	Comments
X-633 Structure Demolition Start	Nov-09	
	Dec-09	
X-533 Structure Demolition Start	Jan-10	
X-760 Structure Demolition Start	Feb-10	
X-633 Structure Demolition Complete		
X-633 Slab/Foundation Removal Start		
Large LEU Cylinders Processing Start	Mar-10	
X-533 Structure Demolition Complete		
X-533 Slab/Foundation Removal Start		
X-760 Structure Demolition Complete	Apr-10	
X-760 Slab/Foundation Removal Start		
X-533 Slab/Foundation Removal Complete	May-10	
X-633 Slab/Foundation Removal Complete**		
X-633 Soil Remediation Start	Jun-10	
X-760 Slab/Foundation Removal Complete**		
X-533 Soil Characterization Complete**		
UMC Disposition of 11 of 13 Lots Complete**	Jul-10	
X-533 Soil Remediation Start		
X-760 Soil Remediation Start	Aug-10	
X-533 D&D and Remediation Complete	Sep-10	
X-633 D&D and Remediation Complete		
X-760 D&D and Remediation Complete		
UMC Disposition Project Complete		
	Oct-10	
	Nov-10	
	Dec-10	
	Jan-11	
	Feb-11	

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Weekly/Monthly Milestones*	DATE	Comments
	Mar-11	
	Apr-11	
	May-11	
Large LEU Cylinders Processing of 1,829 Cylinders Complete**	Jun-11	
Large LEU Cylinders Processing Complete	Jul-11	
X-701B 28 Remediation Segments Complete**	Jul-11	
Large LEU Cylinders Waste Disposition Complete	Aug-11	
Large LEU Cylinders Disposition Project Complete	Sep-11	
X-701B 35 Remediation Segments Complete	Sep-11	
Portsmouth Recovery Act Project Complete	Sep-11	
*Milestone dates are conceptual and will be adjusted based on detailed cost estimates, field implementation schedules, and implementation contracting for the activities.		
** Indicates 80% Complete		

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**Table 5: Delivery Schedule for Capital Asset Projects [ENTER INTO SHAREPOINT DIRECTLY]**

<b>Program/OECM Milestone</b>	<b>Delivery (End) Date</b>	<b>Comments</b>
Develop capital asset projects Integrated Project List	TBD	Dependent upon Office of Engineering and Construction Management (OECM) incorporation into integrated project list
Develop Parametric Performance Baseline (Individual Projects)	June 2009	
If < \$100 M Perform IPR, > \$100 M Perform EIR (Individual Projects)	TBD	Dependent on EM/OECM tailored External Independent Review (EIR) approach
Approve Performance Baseline	TBD	Dependent on EM/OECM tailored 413.3A approach (CD-2)
Approve Start of Construction	TBD	Dependent on EM/OECM tailored 413.3A approach (CD-3)
Approve Project Completion	TBD	Dependent on EM/OECM tailored 413.3A approach (CD-4)

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**NOTES:**

The cost and schedule estimate for this scope was provided by LATA Parallax/Portsmouth, LLC (DE-AC24-05OH20192), the current remediation contractor. The estimated cost was submitted as a preliminary planning package in March 2009 and reviewed by the Portsmouth Integrated Project Team.

The following are risk issues that could impact critical path elements of the schedule:

1. The primary technical issue relates to the treatment standards to be required for placement of the soils back into the excavated area. The soil treatment approach (in situ and ex situ) will be established following bench scale testing conducted during characterization. Although the project team is currently engaged in extensive ongoing discussions with the Ohio EPA to reach agreement on the regulatory approach on the remediation of the contamination areas, final agreement has not been reached. Courses of action are being developed to increase available state regulator assistance during all phases of project planning, development of regulatory documents and associated work plans; thereby leading to an expedited approval process. If an agreement between PPPO and Ohio EPA cannot be reached, this project will be terminated and replaced with other work scope.

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2. Negotiations between DOE and USEC are ongoing in efforts to accelerate the return of facilities to DOE for the respective recovery project work scope. A team has been established to expedite equipment returns and resolve other interface issues. An agreement between DOE and USEC for the return of X-533 and X-633 was signed on April 7, 2009. The return of X-760 will not require a separate agreement but will be accomplished through a Notice of Return under the GDP Lease. Certain issues regarding waste disposition within X-760 are still to be resolved.
3. A tailored/revised DOE O 413.3A approach will be issued by DOE Headquarters Office of Engineering and Construction Management. The new guidance is expected to provide an expedited schedule for review and approval of DOE Order 413.3A requirements.
4. New employees will be subject to extensive orientation and training to ensure that they are indoctrinated into the DOE safety culture at the Portsmouth site. A combination of classroom and hands-on training, supplemented with review of controlling documents, will be used to ensure new employees fully understand the work to be performed. In addition, new employees will be matched to the maximum extent possible with the Recovery Act work based on their prior experience and training. Clearly defined scopes of work and associated hazards will be documented through the existing approved contractor work control and Integrated Safety Management systems. Internal oversight by experienced contractor management, safety, and quality assurance personnel, as well independent oversight by the DOE site office facility representative and quality assurance personnel, will provide additional assurance that new employees work in compliance with applicable procedures and programs.
5. Early and continuous communications with the DOE EM Office of Safety Management and Oversight responsible with approval of the safety basis (preliminary hazard screening and documented safety analysis) will take place to resolve issues or questions.
6. Utilization of the stimulus milestone action review team (SMART) process will be employed. SMART will consist of members from the PPPO, including Portsmouth Federal IPT, LPP, and ETS, as well as the Ohio EPA to identify and resolve any issues related to this project. ARRA specific cost and schedule performance reviews and field assessments will be conducted along with the SMART process to identify and resolve issues related to the Recovery Act Project performance. LPP will utilize designated Recovery Act Project leads to enhance sub-project oversight.

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**III. PERFORMANCE**

**Performance Measures**

**Table 6: Project Performance Targets [ENTER INTO SHAREPOINT DIRECTLY]**

Recovery Act Project Identification Code	2002130
Linkage To S-1 Priorities	Nuclear Security and Legacy
Linkage to Current Program Goal (if applicable)	Complete Legacy Environmental Cleanup
Three-Year Outcome-Oriented Performance Measure (end of FY 2011)	<ul style="list-style-type: none"> <li>• Demolish 12 structures</li> <li>• Disposition approximately 2,300 Low Enriched Uranium Cylinders</li> <li>• Repackage/Disposition 13 lots of excess uranium materials</li> <li>• Remediate 65 acres</li> </ul>
First Year Performance Target (FY 2009 3 <sup>rd</sup> and 4 <sup>th</sup> Quarters only)	<ul style="list-style-type: none"> <li>• Repackage/Disposition 1 lot of excess uranium materials</li> </ul>
Q3 - Project-Level Quarterly Performance Milestone(s)	
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Repackage/Disposition 1 lot of excess uranium materials</li> </ul>
Second Year Performance Target (accomplishments in FY 2010)	<ul style="list-style-type: none"> <li>• Demolish 12 structures</li> <li>• Disposition approximately 1,300 Low Enriched Uranium Cylinders</li> <li>• Repackage/Disposition 12 lots of excess uranium materials</li> <li>• Remediate 59 acres</li> </ul>
Q1 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• X-633 Structure Demolition Start</li> </ul>
Q2 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• X-533 Structure Demolition Start</li> <li>• X-760 Structure Demolition Start</li> <li>• X-633 Structure Demolition Complete</li> <li>• X-633 Slab/Foundation Removal Start</li> <li>• Large Low Enriched Uranium Cylinders Processing Start</li> <li>• X-533 Structure Demolition Complete</li> <li>• X-533 Slab/Foundation Removal Start</li> </ul>
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• X-760 Structure Demolition Complete</li> <li>• X-760 Slab/Foundation Removal Start</li> <li>• X-633 Slab/Foundation Removal Complete (80% X-633 D&amp;D/remediation complete)</li> <li>• X-533 Slab/Foundation Removal Complete</li> <li>• X-633 Soil Remediation Start</li> <li>• X-760 Slab/Foundation Removal Complete (80% X-760 D&amp;D/remediation complete)</li> </ul>

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Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• X-533 Soil Characterization Complete (80% X-533 D&amp;D/remediation complete)</li> <li>• Uranium Management Center Disposition of 11 of 13 Lots Complete (80% UMC disposition complete)</li> <li>• X-533 Soil Remediation Start</li> <li>• X-760 Soil Remediation Start</li> <li>• X-533 Decontamination and Decommissioning and Remediation Complete</li> <li>• X-633 Decontamination and Decommissioning and Remediation Complete</li> <li>• X-760 Decontamination and Decommissioning and Remediation Complete</li> <li>• Uranium Management Center Disposition Project Complete</li> </ul>
Third Year Performance Target (Accomplishments in FY 2011)	<ul style="list-style-type: none"> <li>• Disposition approximately 1,000 Low Enriched Uranium Cylinders</li> <li>• Remediate 6 acres (35 segments)</li> </ul>
Q1 - Project-Level Quarterly Performance Milestone(s)	
Q2 - Project-Level Quarterly Performance Milestone(s)	
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Large Low Enriched Uranium Cylinders Processing of 1,829 Cylinders Complete (80% large LEU cylinder disposition complete)</li> </ul>
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• X-701B 28 Remediation Segments Complete (80% X-701B remediation complete)</li> <li>• Large Low Enriched Uranium Cylinders Processing Complete</li> <li>• Large Low Enriched Uranium Cylinders Waste Disposition Complete</li> <li>• Large Low Enriched Uranium Cylinders Disposition Project Complete</li> <li>• X-701B 35 Remediation Segments Complete</li> <li>• Portsmouth Recovery Act Project Complete</li> </ul>

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**National Strategic Benefits**

**Table 7: National Strategic Benefits [ENTER INTO SHAREPOINT DIRECTLY]**

1. Carbon Emission Reductions: Estimated 5-year undiscounted CO <sub>2</sub> reduction (in metric tons of CO <sub>2</sub> equivalent) are 23,930 metric tons
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**NOTES :**

Portsmouth Recovery Act Project					
Facility	kwh/mo. *	kwh/yr	#CO <sub>2</sub> /kwh**	CO <sub>2</sub> M. Tons/yr	CO <sub>2</sub> M. Tons/5 yr
X-533	393,200	4,718,400	2.10	4,484	22,419
X-623	1,500	18,000	2.10	17	86
X-633	15,000	180,000	2.10	171	855
X-760	10,000	120,000	2.10	114	570
<b>Total</b>	<b>419,700</b>	<b>5,036,400</b>		<b>4,786</b>	<b>23,930</b>

\* Monthly power reports provided by the infrastructure contractor

\*\* *Carbon Dioxide Emissions from the Generation of Electric Power in the United States*, July 2000, Department of Energy

**IV. MANAGEMENT**

**Secretarial-level Items**

The initiatives outlined in this plan support the following Secretary of Energy’s priorities:

- Economic Prosperity
- National Security and Legacy

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**Table 8: Secretary's Priorities**

<b>Secretary's Priorities</b>	<b>Project Impacts (Qualitative)</b>	<b>Project Impacts (Quantitative)</b>
Science and Discovery	None	None
Clean, Secure Energy	None	None
Economic Prosperity	<ul style="list-style-type: none"> <li>• Positive economical impact resulting from purchasing supplies and materials from local businesses and vendors</li> </ul>	<ul style="list-style-type: none"> <li>• Create or retain jobs beginning in 2009</li> </ul>
National Security and Legacy	<ul style="list-style-type: none"> <li>• Accelerates DOE's obligation to decontaminate and decommission facilities per National Energy Policy Act of 1992</li> <li>• Continues legacy environmental cleanup</li> </ul>	<ul style="list-style-type: none"> <li>• Decontaminate and decommission 12 buildings</li> <li>• Disposition of approximately 2,300 low enriched uranium cylinders</li> <li>• Disposition of approximately 13 lots of excess uranium materials</li> <li>• Remediation of 65 acres</li> </ul>
Climate Change	None	None

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**Collaboration and Coordination**

There will be waste shipments to the Nevada Test Site, EnergySolutions in Utah, and other commercially-operated waste treatment/ storage/disposal facilities. Coordination with these interfaces already exists; however, it will be enhanced throughout this project.

The Portsmouth regulators and the site specific advisory board strongly support acceleration of this proposed work for decontamination and decommissioning, soil remediation, and uranium disposition. It is anticipated that the Southern Ohio Diversification Initiative (SODI), a community reuse organization, will express interest in reuse/recycle of surplus materials and equipment.

There are many external interfaces associated with the normal operations at Portsmouth. These include:

- **Regulatory** U.S. Environmental Protection Agency, Ohio Environmental Protection Agency, Ohio Department of Transportation, Ohio Historic Preservation Office, and Nuclear Regulatory Commission
- **Community** Site Specific Advisory Board, Pike County Commissioners
- **Industry** Transportation, Housing, Utilities, etc.
- **Other** Other Portsmouth Contractors, Labor Unions, Parent Companies, Local Universities/Colleges.

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### **Federal Infrastructure Investments**

There are no infrastructure investment project activities associated with the Portsmouth Recovery Act Project.

However, ancillary benefits will be achieved through the elimination of facilities resulting in reduced electrical power consumption and corresponding reduction of greenhouse gas emissions. Reuse/Recycle of excess materials will result in reduced consumption in fossil fuels required to process raw materials.

### **Line Management**

DOE and contractor personnel are proceeding with a contractor readiness self-assessment process to evaluate impacts (if any) as a result of ARRA project activities. This assessment will include the following areas:

- Integrated Safety Management System (ISMS) adequacy
- Safety and quality assurance requirements flowed to sub-tier contractors
- Newly-hired workers receive full training
- Rigorous contractor oversight program
- Fully developed disposition path for all materials/waste
- Segregation of Recovery Act Project safety performance tracking and reporting
- System in place to recognize changed conditions and adjust oversight/resources

Daily meetings will be conducted by the project field team to ensure safe, efficient, and cost-effective operations. The project metrics, to include performance and safety, will be reviewed in the weekly Integrated Project Team meetings. The project performance will be tracked and reported monthly with the existing contractor's certified Earned Value Management System. A combination of federal and support contractor resources will provide dedicated project and field oversight to all Recovery Act Project activities.

The contractor will use existing practices/procedures to maintain accountability and transparency with respect to Recovery Act activities. These practices include cost tracking through a Defense Contract Audit Agency audited accounting and procurement system and a DOE audited project management reporting system. ARRA projects will be tracked and reported independently. The contractor will use the existing work management program and integrated safety management system (ISMS) to plan and execute the ARRA projects.

### **Needs from Staff Offices**

#### **1) Human Capital**

Based on the guidance received from DOE Planning Analysis and Evaluation (Jeremy Mark) in an e-mail from DOE EM-Recovery (Rodney Cummings) on March 26, 2009, at 1752 hours, only positions that require support from the HQ office of Human Capital should be identified in Table 9.

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**Table 9: Information on Hiring Under the Recovery Act [ENTER INTO SHAREPOINT DIRECTLY]**

# & Type of Positions (Title, Series and Grade)	Location (HQ or Field – w/location)	Federal or Contractor	Timeframe (1-6mos; 6+mos; other; specify date needed if possible)
None	N/A	N/A	N/A

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