



U.S. Department of Energy
Portsmouth/Paducah Project Office

Environmental Evaluation Checklist

PPPO-F-450.1
Revision 1
February 2006

National Environmental Policy Act Review

<p>Instructions:</p> <ul style="list-style-type: none"> • Complete both the NEPA and Permits portion of the checklist • Submit one copy of the completed checklist with supplemental information to the DOE Project Coordinator • DOE Project Coordinator will distribute to PPPO NEPA Compliance Officer for approval 			
<p>Activity title and project number (if any) Removing Items or Materials Containing Polychlorinated Biphenyls</p>			<p>Date: 03/21/2007</p>
<p>Project contact name</p>	<p>Telephone number</p>	<p>DOE Project Coordinator</p>	<p>Telephone number</p>
<p>Activity start date May 2, 2008</p>	<p>Activity end date May 2, 2013</p>	<p>Estimated cost Up to \$5M</p>	<p>Activity location PORTS/PAD Sites</p>
<p>Activity description: The DOE Portsmouth/Paducah Project Office (PPPO) proposes to remove, maintain, and dispose of items or materials such as transformers, capacitors, light ballasts, hydraulic systems, gaskets, coatings, and insulation that contain various levels of polychlorinated biphenyls (PCBs).</p> <p>The proposed actions would take place at DOE owned facilities on the Portsmouth Gaseous Diffusion Plant Reservation in Piketon, Ohio and the Paducah Gaseous Diffusion Plant reservation in Paducah, Kentucky.</p>			
<p>Detailed description: The proposed actions would involve removal of items containing various levels of PCBs, including transformers, capacitors, collection systems, light ballasts, hydraulic systems, gaskets, coatings, and insulation, PCB impregnated cable and wiring, and PCB dedicated equipment such as portable and permanent storage tanks, pumps, floor sweepers, and genie booms. The proposed actions also include routine maintenance and flushing of equipment such as hydraulic systems and transformers. Other routine operations, such as PCB spill response and cleanup, would also be performed. The PCB spill cleanup may include establishment of storage areas to temporarily contain the wastes until the items can be relocated to existing treatment, disposal, or one-year storage facilities.</p> <p>Removal of these items might require temporary removal of obstacles such as walls, ceilings, fences, or power lines which would prevent forklift or crane access to items targeted for removal. Some transformers may have connecting cables which contain asbestos and lead. These cables would be removed and/or disposed of in existing permitted/approved facilities. Some transformers, hydraulic systems, or other items may have PCB-containing pads and/or soil around the base. The surrounding substrate would be sampled and, if determined to contain PCBs, excavated, or managed according to applicable Environmental Protection Agency regulations, DOE Orders, and applicable programs or site-specific policies and procedures. The removed equipment would be stored until approved for release to an off-site contractor for disposal or recycling in accordance with regulations, applicable programs, or site specific policies and plans.</p> <p>When performing removal actions of large items, such items would be drained of free-flowing liquid, thereby reducing the risk of spill. Small-volume items would be drained if necessary. Other items, such as light ballasts, are sealed and would not require draining. If size permits, the items would also be placed in a Department of Transportation-approved container to minimize spill potential. Following characterization, all wastes determined to be of or derived from a PCB concentration of 50 ppm or greater would be managed in accordance with the terms outlined for PCB waste found at 40 CFR 761 and, for activities taking place on the Portsmouth or Paducah sites, in the UE TSCA Compliance Agreement, as well as any other applicable agreements or policies.</p> <p>The proposed PCB removal actions that would take place on the Paducah site have been reviewed in accordance with the <i>Cultural Resource Management Plan (CRMP)</i> (BJC/PAD-691/R1, March 2006) or applicable sections in a Ratified Programmatic Agreement (PA) document and would not result in an adverse effect to historic properties included or eligible</p>			

for inclusion in the National Register of Historic Places (National Register). If the proposed actions would have an adverse effect on properties included or eligible for inclusion in the National Register, DOE PPPO would consult with the State Historic Preservation Officer and initiate actions specified in procedures set forth in the Advisory Council's regulations in 36 CFR Part 800.

For sites other than Paducah, the DOE PPPO would complete Section 106 reviews until Programmatic Agreements (PAs) are ratified for the respective sites. At such time, the sites would conduct Section 106 reviews under provisions of the site-specific PA.

Should the proposed PCB removal actions involve ground disturbances at locations where an archeological survey had not been conducted or take place at previously disturbed locations where the potential exists to exceed the depth of previous ground disturbances, DOE PPPO would consult with the SHPO to determine whether an archeological survey would be warranted prior to initiating the proposed actions.

To ensure that sensitive resources are protected, existing maps and surveys/studies on threatened and endangered (T/E) species, wetlands and floodplains, and historically sensitive areas would be used to locate these areas. In addition, personnel responsible for identifying these resources would be consulted and, if warranted, additional surveys would be conducted to confirm or update available information.

No known extraordinary circumstances would be associated with these actions that might affect the significance of the environmental effects of the proposed action based on past similar actions. These actions would not be connected to other actions with potentially significant impacts or related to other proposed actions with cumulatively significant impacts; they would meet the conditions that are integral elements of the classes of actions which may be categorically excluded from further National Environmental Policy Act (NEPA) documentation. Should the action not meet the conditions for CX consideration, a separate NEPA document would be prepared and submitted to DOE PPPO for review and approval.

Although an action may fall under the category of a "PCB removal action," a separate NEPA review would be performed and documented should the action or related/cumulative effect of the action have potential to result in an unusual or significant impact to the environment.

B1.17 is the applicable categorical exclusion (CX) that covers the proposed action in DOE NEPA Implementing Procedures, 10 CFR Part 1021, Subpart D, Appendix B. The proposed action would cost less than \$5M, be completed in less than 5 years, and would reduce the risk to human health and the environment from the release or threat of release of a hazardous substance.

National Environmental Policy Act (NEPA) Checklist

Questions to answer:	Yes	No
1. Will this activity result in a change in emissions, generation rates, or new discharge of hazardous, mixed, radioactive, asbestos, PCB, sanitary/industrial, solid or liquid waste, petroleum substance, wastewater, or any other pollutants from a facility or process?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Will this activity be located in a previously developed area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Will this activity involve siting, construction, modification, renovation, closure or D&D of facilities or processes?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Will this activity potentially affect environmentally sensitive areas/resources such as flood plain/wetlands, archeologically or historically significant areas, threatened or endangered species, and/or their habitat, special water sources (e.g. aquifer)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Will this activity involve site characterization, environmental monitoring, or R&D programs?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Will this activity involve any type of land disturbance, underground storage tank (UST), or subsurface injection/extraction?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Will this activity involve a site evaluation area, RCRA/CERCLA area/facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
*Note: - If any unknown, call DOE PPPO NEPA Compliance Officer or Project Environmental Coordinator for consultation - Consult with DOE PPPO NEPA Compliance Officer or Project Environmental Coordinator; file with project & complete permits checklist		
Environmental Impacts Evaluation (Note: If any are "Yes", provide specifics/supplemental information.)		
<i>Air</i>		
• Will there be a new air emission or a change in the quantity of an existing air emission?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Surface Water</i>		
• Will there be a liquid release to streams, swamps, wetlands, seepage basins, storm drains, process sewers, ponds, or lakes?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Will river or stream water be utilized?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Groundwater</i>		
• Will there be a discharge to subsurface/groundwater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Will groundwater be utilized?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Safety</i>		
• Is there a potential exposure to hazardous substances (e.g. radiological/toxic/chemical materials)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Is there a potential for explosion or criticality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Does action involve transportation of hazardous materials?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<i>Natural/Cultural Resources</i>		
• Is there a potential for impacts on wetlands, swamps, streams, river beds, ponds, set aside areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Is there a potential impact on fish/wildlife resources or habitats?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Is there a potential impact on protected species (e.g. sensitive, rare, threatened, or endangered)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Is there a potential for impacting archaeological and historical sites?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Does this action require an excavation permit?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
For DOE PPPO NEPA Compliance Officer use only (NEPA recommendation)		
• Are there potential cumulative effects when combined with other actions?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Is the proposed activity a component of a larger line item project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Write in document title or reference number:		
<input checked="" type="checkbox"/> CX applied for by DOE Project Coordinator (Must meet all requirements of 10 CFR 1021.410(b)): B1.17 <input type="checkbox"/> Covered by previous NEPA documentation (CX, EA, EIS): (Write in document title or reference number)		
<input type="checkbox"/> Additional NEPA documentation required: <input type="checkbox"/> EA <input type="checkbox"/> EIS <input type="checkbox"/> Revised ROD <input type="checkbox"/> Revised FONSI <input type="checkbox"/> EE/CA		
DOE Project Coordinator signature	Date checklist completed:	
For DOE PPPO NEPA Compliance Officer Use Only (NEPA determination) The PCB Removing Items or Materials Containing Polychlorinated Biphenyls Categorical Exclusion was developed to cover PCB removal actions for the DOE PPPO. Many of these removal and spill clean-up actions involve day-to-day work activities at Portsmouth and Paducah, therefore, individual checklists will not be completed for ongoing maintenance and spill-clean-up PCB removal actions.		
Based on my review of the above description, I have determined that the actions are categorically excluded from further NEPA review and documentation.		
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Approved - with comments <input type="checkbox"/> NOT approved – alternate NEPA action required		
DOE PPPO NEPA Compliance Officer signature	Date of signature:	
<i>Christi A. Wiehle</i>	5-2-08	