



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

## National Environmental Policy Act (NEPA) Environmental Evaluation Checklist

PPPO-F-450.1B, Rev. 2  
September 2014

### National Environmental Policy Act Review

<b>Instructions:</b>			
<ul style="list-style-type: none"> <li>• Submit one copy of the completed NEPA Checklist with supplemental information to the PPPO Project Coordinator.</li> <li>• PPPO Project Coordinator will distribute to PPPO Program NEPA Coordinator and/or PPPO NEPA Compliance Officer (NCO) for approval.</li> <li>• File the completed checklist with the project files, as appropriate.</li> <li>• Completion of this checklist is not required for CERCLA actions. However, the Contractor's Project Coordinator is responsible for ensuring that a commensurate level of project detail is provided to the CERCLA Project Manager so that proper consideration and analysis of the work can be performed via the CERCLA process.</li> </ul>			
<b>Activity title and project number (if any):</b> Construction of the C-304 Annex			<b>Date:</b> June 17, 2019
<b>Contractor Project Contact Name:</b> Sharon Dingman	<b>Telephone Number:</b> 270-441-5031	<b>PPPO Project Coordinator:</b> Tracey Duncan	<b>Telephone Number:</b> 270-441-6862
<b>Forecast Activity start date:</b> July 18, 2019	<b>Estimated cost:</b> \$5,000,000	<b>Activity location:</b> PORTS/PAD <input type="checkbox"/> PORTS <input type="checkbox"/> Other <input type="checkbox"/> PAD <input checked="" type="checkbox"/>	
<b>Activity description:</b> This should be a brief but thorough description of the proposed activity. Be very specific in explaining the purpose and location (a developed/non-developed area, outside/inside/adjacent to an existing building number, etc.)			
<p>SST will obtain permits, design and construct an annex to the Training and Cascade Office Building (C-304) including site utilities, and associated access modifications. Construction will include a modular office structure connected to a site-built connector building, which in turn will connect to the existing C-304 building. This activity includes access, parking and utilities. The construction activity may require temporary removal of fencing, signs, and other minor obstructions along with infrastructure improvements to provide access for the large modular units and equipment.</p>			
<b>Detailed description:</b> (Attach additional pages for description if necessary and include references to the documents)			
<p>No known extraordinary circumstances would be associated with these actions that might affect the significance or 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; these actions meet the conditions that are integral elements of the classes of the actions which have been categorically excluded from further National Environmental Policy Act (NEPA) documentation. To ensure that sensitive resources are protected, existing maps and surveys/studies of threatened and endangered species and their habitats, as well as wetlands and floodplains, have been reviewed. This work does not involve the removal of habitat or any other task that would have an adverse impact to environmentally sensitive resources at the Paducah Site.</p>			
<p>The Construction of small-scale support buildings and support structures (prefabricated building) to house personnel for administrative purposes within or contiguous to previously developed areas has been categorically excluded as described in 451.1a-016 Revision 2, <i>Alterations to Existing Buildings, Construction of Small-Scale Structures, and Relocation of Machinery, Equipment and Utilities</i>. Excluded actions also include surface grading and leveling necessary for installation of the structures, construction of sidewalks and parking lots, excavation for installation of underground utilities and installation of aboveground utilities. Installation of water systems, electrical systems, communication and computer systems, security systems and installation of HVAC systems is covered by Categorical Exclusion 451.1a-014 Revision 2, <i>Maintenance Activities</i>.</p>			
<p>Per 10 CFR 1021.410 (g)(2), factors considered when assessing whether the proposal is small, in addition to the actual magnitude of the proposal, include:</p>			
<p>I. The relationship of the proposed action to similar types of development in the vicinity of the proposed action: the C-304 annex will be approximately the same size of and serve the same purpose as the C-304 building (as well as other buildings located in the immediate area such as C-302, C-100, etc.).</p>			



## National Environmental Policy Act (NEPA) Checklist

2. Expected outputs of emissions or waste - the use of the annex will not result in new waste streams or an increase in emissions to the environment.

The physical size of the proposed facility, the surrounding land uses, the scale of the proposed facility relative to existing development, and the capacity of existing roads and other infrastructure to support the proposed action were reviewed

A new checklist has been created to ensure no new compliance concerns, permits, etc. would be created during the performance of this activity.

### Justifications:

1. Construction of C-304 annex will impact Solid Waste Management Units (SWMU) 193 and 465 (**SWMU Map, Figure skr100r28.mxd, dated 08-14-18**). A SWMU notice is being processed through the Four Rivers Nuclear Partnership, LLC.
2. No endangered or threatened species are found within the project area (**US Fish and Wildlife Services document 04EK1000-2019-E-02224**).
3. No floodplains or floodways are located within the project area (**FEMA National Flood Hazard Layer FIRMette 21145C0105F and 21145C0110F**).
4. No wetlands are located within the project area (**National Wetlands Inventory, FY19 Rail Repairs Map, dated April 16, 2019**).
5. Construction of the C-304 annex is covered under Categorical Exclusion 451.1a-014 Revision 2, *Maintenance Activities* and Categorical Exclusion 451.1a-016 Revision 2, *Alterations to Existing Buildings, Construction of Small-Scale Structures, and Relocation of Machinery, Equipment and Utilities*.
6. Best Management Practices (e.g., controls for erosion, sedimentation, dust, etc.) will be in place during all activities associated with this project.



## National Environmental Policy Act (NEPA) Checklist

Questions to answer: *A checklist is required to be submitted, evaluated, and approved for all proposed non-CERCLA actions so that a NEPA review may be performed.	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? <i>Sanitary/industrial waste and low-level SWMU waste will be generated during construction activities. This waste will be managed in accordance with Site procedures.</i>	<input type="checkbox"/>	<input checked="" 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 shut-down of facilities or processes? <i>Construction of the annex will require modifications to the existing C-304 facility.</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Will this activity potentially affect environmentally sensitive areas/resources such as flood plain/wetlands, archeological or architectural historic properties, threatened or endangered species and/or their habitat, or special water sources (e.g. aquifer)? <i>The construction of the C-304 annex will not result in adverse impact to environmentally sensitive areas/resources.</i>	<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 checked="" type="checkbox"/>	<input type="checkbox"/>
7. Will this activity involve a site evaluation area, RCRA/CERCLA area/facility?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p><b>*Note:</b></p> <ul style="list-style-type: none"> <li>- If any answers to these questions are unknown, call the contractor Project Environmental Coordinator Manager, Program NEPA Coordinator, or PPPO NCO for consultation.</li> <li>- If any are marked "Yes", complete rest of NEPA Checklist.</li> </ul>		
<b>Environmental Impacts Evaluation</b> (Note: If any are "Yes", provide specifics/supplemental information.)		
<b>Air:</b>		
• 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"/>
<b>Surface Water:</b>		
• Will there be a liquid release to streams, 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"/>
<b>Groundwater:</b>		
• 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"/>
<b>Safety:</b>		
• Is there a potential exposure to hazardous substances (e.g. radiological/toxic/chemical materials)? <i>Work will occur in a SWMU.</i>	<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 type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Natural/Cultural Resources:</b>		
• Is there a potential for impacts on wetlands or other special aquatic sites (i.e., lakes and ponds, and perennial, intermittent, and ephemeral streams), floodplains or floodways, or special sources of drinking water such as sole-source aquifers? <i>No wetlands, streams, ponds, floodplains or floodways, or special sources of drinking water are located within the project area. Erosion and sedimentation controls will be in place during construction, and remain in place until area has stabilized.</i>	<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, state or federally-listed rare, threatened, or endangered) or their habitat? <i>No suitable habitat will be impacted by this project. Per information received from the US Fish and Wildlife Service (event code 04EK1000-2019-E-02224) and associated species specific guidance, no sensitive, state or federally listed, rare, threatened or endangered species or their habitat will be affected by this project.</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Will this involve/affect any genetically engineered organism, synthetic biology, governmentally-designated noxious weeds or invasive species?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Is there a potential for impacting archaeological or architectural historic properties? <i>The proposed contractions of small-scale support structure has been reviewed in accordance with Per BJC/PAD-691/RI, Cultural Resources Management Plan (CRMP) and will not result in an adverse effect to historic properties included or eligible for inclusion in the National Register. Per page 42 of the CRMP "when ground disturbance activity is proposed in an area where previous ground disturbance activities have occurred, DOE may proceed with the activity without consulting the Kentucky State Historic Preservation Office regarding the need for an archeological survey so long as the estimated depth and the extent of the new disturbance does not significantly exceed the depth and extent of previous disturbances".</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Does this action require an excavation permit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Potential Cumulative Effects/Components for Larger Line Item Project:</b>		
• 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:		

### For Contractor Project Management Use Only

<b>Contractor Project Contact Printed Name and Signature:</b> Mike Golightly (Environmental Compliance) <i>MEG 6-17-19</i>	<b>Contractor Company Name:</b> Swift & Staley Team (SST)	<b>Telephone Number:</b> 270-441-6294
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**For DOE PPPO NEPA Compliance Officer Use Only (NEPA recommendation)**

CX applied for by DOE Project Coordinator (Must meet all requirements of 10 CFR 1021.410(b)  
(Provide CX applicable number(s) below)

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Covered by previous NEPA documentation (CX, EA, EIS) CX 451.1a-014 Revision 2, Maintenance Activities and CX 451.1a-016 Revision 2, Alterations to Existing Buildings, Construction of Small-Scale Structures, and Relocation of Machinery, Equipment and Utilities  
(Write in document title or reference number(s))

Additional NEPA documentation required:     EA     EIS     Revised ROD     Revised FONSI

**PPPO Project Coordinator Printed Name and Signature:**  
Tracey Duncan



**Date NEPA Checklist Completed:**

6/20/19

**For DOE PPPO NEPA Compliance Officer Use Only (NEPA determination)** Based upon my review of information conveyed to me and in my possession (or attached) concerning the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1B), I have determined that the proposed action fits the specific class of actions, the other regulatory requirements set forth above are met, and the proposed actions are hereby categorically excluded for further NEPA review.

Approved     Approved – with comments     NOT approved – alternate NEPA action required

**DOE PPPO NEPA Compliance Office Signature:**



**Date of Signature:**

6/20/19