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## Y-12 National Security Complex and Off-site

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Restructuring of the Oak Ridge Federal Facility Agreement (FFA) cleanup program scope at the Oak Ridge National Laboratory (ORNL) and Y-12 National Security Complex (Y-12) is planned to include new Integrated Facility Disposition Program (IFDP) projects. In order to create a more comprehensive work scope to finish environmental cleanup, IFDP adds in over 200 more buildings and facilities to the unfinished projects in the current cleanup program scope. Because the changes constitute a major modification to the FFA, a 30-day public comment period will be held to gather input from stakeholders.

At Y-12, multiple projects are planned by the IFDP to disposition excess facilities and finish the environmental cleanup for Upper East Fork Poplar Creek and Bear Creek Valley watersheds, Chestnut Ridge, and the White Wing Scrap Yard under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) process. The CERCLA projects will deactivate and decommission (D&D) 112 buildings and implement soil, scrap removal, sediment, and groundwater remedial actions at Y-12 consistent with future anticipated land use.

After remediation of contaminant sources is complete, groundwater and surface water quality will be assessed and final cleanup decisions, including land use controls, will be established. A final surface water decision for the East Fork Poplar Creek (Upper and Lower) will be reached after the completion of the source control actions within the Y-12 site and will be followed by the Clinch River/Poplar Creek (CR/PC) surface water Record of Decision (ROD). The CR/PC surface water ROD will be determined after completion of all Oak Ridge Reservation (ORR) upstream source remediation and final watershed decisions at the three Oak Ridge sites (Y-12, ORNL, and East Tennessee Technology Park).

Human and environmental risk reduction is the overall goal of CERCLA and a key driver for sequencing D&D and remediation activities. Other prioritization factors for the ORR include construction logic (for example, building D&D allows access to underlying contaminated environmental media), prevention of recontamination, reduction of surveillance and maintenance costs, and release of strategic real estate to support site missions. Risk reduction and other prioritization factors are considered to determine an overall prioritization for each project.

Waste generated by the CERCLA projects will be disposed primarily at the on-site CERCLA waste facility known as the Environmental Management Waste Management Facility. Whenever practicable, remedial action and D&D wastes will be managed using volume reduction and alternate on-site disposal alternatives (Y-12 landfills) to preserve disposal capacity at the EMWMF. Generated wastes that do not meet the waste acceptance criteria for any on-site disposal facilities will be disposed at approved off-site facilities.

The cost range for IFDP is \$9.4 billion to \$14.5 billion, which includes the cost for CERCLA projects as well as the cost for ongoing operations and other activities to facilitate site cleanup. The schedule range for completion of the work is fiscal year (FY) 2036-2039.

*The information presented in this fact sheet is preliminary and will be refined during Critical Decision-2/3 development.*

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For more information, please contact the DOE public affairs office at (865) 576-0885.

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