



**U.S. DEPARTMENT OF ENERGY  
WORK BREAKDOWN STRUCTURE DICTIONARY  
PART II - ELEMENT DEFINITION**

<b>1. PROJECT TITLE/PARTICIPANT</b> Environmental Management/Bechtel Jacobs Company LLC		<b>2. DATE</b> 01/08/2004	<b>3. IDENTIFICATION NUMBER</b> DE-AC05-98OR22700
<b>4. WBS ELEMENT CODE</b> 1.12.05.04.03.01		<b>5. WBS ELEMENT TITLE</b> Inactive Facility Removal	
<b>6. INDEX LINE NO.</b>	<b>7. REVISION NO. AND AUTHORIZATION</b> N/A		<b>8. DATE</b> N/A
<b>9. APPROVED CHANGES</b> N/A			
<b>10. SYSTEM DESIGN DESCRIPTION</b>			<b>11. BUDGET AND REPORTING NUMBER</b>
<b>12. ELEMENT TASK DESCRIPTION</b>  12. ELEMENT TASK DESCRIPTION  INTRODUCTION  The U.S. Department of Energy Portsmouth Gaseous Diffusion Plant (PORTS) performed a nearly 50-year mission of uranium enrichment for U.S. national defense and commercial energy production. The site is partly operated by the United States Enrichment Corporation (USEC), which has leased the gaseous diffusion facilities since 1993. As of 2001, USEC has ceased enrichment operations at PORTS. The GDP is held in Cold Standby to allow startup in case of need. Additional site missions are anticipated, however, certain site facilities have no reasonable potential for future missions and should be decommissioned to reduce site risks and surveillance and maintenance (S&M) costs.  This removal task requires completion of facility, dismantlement, and waste disposition. Dismantlement includes surface decontamination, removal of equipment, systems, and fixtures, removal of all asbestos-containing materials (ACM), removal of facility walls, roofing, and structural materials, removal of all above-grade masonry and concrete, and segregation, cutting, and containerization of debris for disposition. Dismantlement work includes the removal of all at- and above-grade components, including buildings, utility poles, pipe racks, and fence and fence posts. This dismantlement task includes removal of slab-on-grade concrete and removal of foundations, utilities, pilings, drain lines, etc. to one foot below slab base. For dismantlement purposes, facilities are defined to include specific compound areas beyond the physical boundaries of the building structures, including local pipe bridges, fences, utilities, etc.  This task encompasses removal of 21 facilities identified as inactive and available for early removal. These facilities incorporate approximately 345,000 square feet of floor space, with estimated debris content of 430,000 cubic feet. Removal will be accomplished by subcontracts - one for the larger more complex facilities (X-616 and X-770), and one for the remaining 19 smaller or simpler facilities (X-105, X-106B, X-120, X-230J1, X-230J8, X-342C, X-344C, X-344E, X-344F, X-615, X-701D, X-720A, X-740, X-744N, X-744P, X-744Q, X-744S, X-744T, and X-744U.  The end state of this subproject is the removal of 21 DOE facilities (non-leased) at PORTS. The execution of this subproject will reduce site S&M cost and visually show progress toward site closure/new mission.  LOGIC RELATIONSHIPS  - This subproject ties to DOE direct Envirocare subproject. Envirocare is required to accept waste generated from this project. If the Inactive Facility Removal scope is delayed beyond the completion of an on-site disposal facility this relationship will change. - S&M of these facilities will be performed under Infrastructure until start of field activities.  SCOPE DESCRIPTION  Release Sites and Facilities  Assessments: None			



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<p><b>12. ELEMENT TASK DESCRIPTION</b> (Continued)</p> <p>Past Accomplishments - None - Future Project</p> <p>Planned Accomplishments - Complete Assessment - Award Subcontract for Inactive Facility Removal - Start Inactive Facility Removal Field Activities - Complete Inactive Facility Removal - Complete Project</p> <p>PERFORMANCE METRICS</p> <p>FY03 - Complete Facility Utilization Survey, Facilities Declared Excess. - Complete Facility Removal execution plan.</p> <p>Out Years - Complete Assessment - Award Subcontract for Inactive Facility Removal - Start Inactive Facility Removal Field Activities - Complete Inactive Facility Removal - Complete Project</p> <p>Scope:</p> <p>The scope of this subproject includes the following: - Project Management and Support - Assessment - Facility Deactivation - Large Facilities Removal - Remaining Facilities Removal - Waste Disposition - Completion Report</p> <p>1.12.05.04.03.01.01 Project Management &amp; Support</p> <p>Project Management includes subcontract award/management, planning, baseline development/management, cost/schedule performance, progress reporting, technical coordination, records management, P/QA oversight, safety oversight, functional group coordination, client/regulatory interface, document review, and response to what-if request. Note, in FY03 the scope also includes planning, baseline development, and what-if analysis for all future D&amp;D activities.</p> <p>Project Support: This element includes the following:</p>			



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<p>1.12.05.04.03.01.02 Assessment</p> <p>This element includes those evaluation actions needed to prepare for the inactive facility removal, including development of data needs and data quality objectives, collection of existing characterization data and identification of sampling needs, collection of samples and interpretation of results, and development of an EE/CA (which would include records search, assessment of disposition alternatives, incorporation of NEPA values into the assessment, etc.) DOE, stakeholders, and the public will participate in the DQO process and will review the EE/CA document; comments will be resolved and required changes incorporated.</p> <p>This element also includes those actions needed to prepare and issue an Action Memorandum (AM). The AM will describe the selected alternative for inactive facility removal. This will include the incorporation of stakeholder comments into the AM.</p> <p>1.12.05.04.03.01.04 Inactive Facility Removal</p> <p>Design / Procurement:</p> <p>This element includes the facility removal design and the Removal Action Work Plan (RmAWP). DOE comments will be incorporated into the design package and they will be issued to the stakeholders for their review. The RmAWP will provide a detailed description of the facility removal task, waste disposition activities, the schedule, required plans, and confirmatory sampling and verification activities that will be performed to demonstrate that the construction goals have been attained.</p> <p>Development and placement of the subcontract for removal of X-616 and X-770 facilities, including: development of invitation for bid (IFB) package, prequalification of vendors, proposal/bid evaluation and selection, best and final offer evaluation (as necessary), and development of pay item schedule.</p> <p>Development and placement of the subcontract for removal of remaining facilities (X-105, X-106B, X-120, X-230J1, X-230J8, X-342C, X-344C, X-344E, X-344F, X-615, X-701D, X-720A, X-740, X-744N, X-744P, X-744Q, X-744S, X-744T, and X-744U), including: develop request for proposal (RFP) package, evaluate proposal/bid and select and develop pay item schedule.</p> <p>Large Facilities Removal:</p> <p>Removal of all at- and above-grade components of X-616 and X-770, including subcontractor mobilization, trash/loose debris removal, piping/ventilation/utilities removal, equipment removal, above-grade structure removal, and subcontractor demobilization.</p> <p>X-616, Liquid Effluent Control Facility</p> <p>The X-616 Liquid Effluent Control Facility is an approximately 2,500 square foot facility that was utilized a sulfur-dioxide-based process to precipitate and remove hexavalent chromium from the recirculating cooling water (RCW) system blowdown water from the gaseous diffusion plants. The facility is 42 feet by 63 feet and 17 feet tall, constructed of a structural steel frame with a steel panel shell and a concrete slab on-grade. Roofing materials also consist of steel panels. The facility also includes 5 above-grade tanks, 3 below-grade tanks, and a small pumphouse. An estimated 7,000 cubic feet of waste will be generated by this removal.</p> <p>Facility removal consists of removal of all at- and above-grade components including but not limited to loose materials and trash</p>			





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<p><b>12. ELEMENT TASK DESCRIPTION</b> (Continued)</p> <p>The scope also includes transportation of waste material to off-site disposal facility.</p> <p>Completion Report The completion report will summarize the actual construction activities documenting any unexpected occurrences or alterations made. The completion report will also document any analytical results obtained during construction activities. The completion report will be issued to DOE and the stakeholders for review and comment.</p> <p>1.12.05.04.03.01.06 Waste Disposition Waste disposition includes off-site disposal of wastes.</p> <p><b>SAFETY AND HEALTH WORK PERFORMANCE</b></p> <p>It is the core value of Bechtel Jacobs Company that the safety and health of every worker and the public at large, and our environment, are the most important assets we are entrusted to protect. To accomplish this, an Integrated Safety Management System (ISMS), based on DOE's ISMS has been implemented that incorporates the five core functions and is based on the seven guiding principles. The objective of ISMS is to systematically integrate safety and environmental protection into the planning and execution of all work activities. The term safety encompasses Nuclear Safety, Industrial Safety, Industrial Hygiene, Occupational Health, Health Physics, and environmental protection. ISMS requirements flow-down to Bechtel Jacobs Company subcontractors. The Five Core Functions are: (1) Define the scope of work, (2) Analyze hazards, (3) Develop and implement hazard controls, (4) Perform work within controls, and (5) Provide feedback and continuous improvement. The Seven Guiding Principles are (1) Line Management Responsibility for Safety, (2) Clear Roles and Responsibilities, (3) Competence commensurate with responsibility, (4) Balanced Priorities, (5) Identification of Safety Standards and Requirements, (6) Hazard Control Tailored to Work Being Performed, and (7) Operations Authorization.</p> <p>Safety first is the M&amp;I Contractor core value and is fundamental to every work activity. All accidents are preventable and the contractor strives to achieve "Zero Accident" performance on all jobs. Safety is everyone's responsibility this includes worksite safety, safety of fellow workers, personal safety, public safety, and protection of the environment.</p>			

