



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

|  |   |   |  |
|--|---|---|--|
| <b>1. PROJECT TITLE/PARTICIPANT</b><br>Environmental Management/Bechtel Jacobs Company LLC   |   | <b>2. DATE</b><br>01/08/2004  | <b>3. IDENTIFICATION NUMBER</b><br>DE-AC05-98OR22700 |
| <b>4. WBS ELEMENT CODE</b><br>1.12.05.03.05.02   |   | <b>5. WBS ELEMENT TITLE</b><br>PORTS S&M of Waste Operations Facilities |  |
| <b>6. INDEX LINE NO.</b>   | <b>7. REVISION NO. AND AUTHORIZATION</b><br>N/A |   | <b>8. DATE</b><br>N/A                                |
| <b>9. APPROVED CHANGES</b><br>N/A  |   |   |  |
| <b>10. SYSTEM DESIGN DESCRIPTION</b>   |   |   | <b>11. BUDGET AND REPORTING NUMBER</b>               |
| <p><b>12. ELEMENT TASK DESCRIPTION</b></p> <p>WBS GRAPHIC</p> <p>See attached.</p> <p>INTRODUCTION</p> <p>During the Cold War, the Portsmouth Gaseous Diffusion Plant (PORTS) was constructed to enrich uranium in support of both government and private sector programs. The plant is currently in Cold Standby under a lease agreement with the United States Enrichment Corporation (USEC) which produced Low Enriched Uranium for commercial applications. Waste Management will be managing "legacy waste" (generated prior to FY03) streams for characterization, treatment, storage, and disposal in compliance with DOE Orders. In addition as a result of environmental releases from past production activities, and environmental restoration projects conducted by the Portsmouth Remedial Action Project in the period between FY04-FY99, these waste streams were received for characterization, treatment, storage, and disposal by Waste Management.</p> <p>The purpose of this subproject is to provide surveillance and maintenance of DOE non-leased facilities utilized by the PORTS Waste Disposition project.</p> <p>LOGIC RELATIONSHIPS</p> <p>Facilities covered under this subproject will be managed and maintained until Decontamination and Decommissioning (D&amp;D) is initiated. The project end state will occur when the remaining facilities under the scope of this subproject are transferred to D&amp;D.</p> <p>SCOPE DESCRIPTION</p> <p>Performance Metrics/Indicators</p> <p>Past and Future Accomplishments</p> <p>Past Accomplishments</p> <p>Prior to FY 2003</p> <p>* Completed annual S&amp;M of PORTS Waste Ops facilities in compliance with DOE Orders and Regulations</p> <p>Future Accomplishments</p> |   |   |  |



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

|   |   |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
|---|---|---|--|--------------|----------------------|--------|---------------------------|---------|-------------------------------|-----------|--------------------------------|---------|-------------------------------|--------|--------------------|--------|---|---------|------------------------------|---------|-------------------------------|--------|---|
| <b>1. PROJECT TITLE/PARTICIPANT</b><br>Environmental Management/Bechtel Jacobs Company LLC  |   | <b>2. DATE</b><br>01/08/2004  | <b>3. IDENTIFICATION NUMBER</b><br>DE-AC05-98OR22700 |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| <b>4. WBS ELEMENT CODE</b><br>1.12.05.03.05.02  |   | <b>5. WBS ELEMENT TITLE</b><br>PORTS S&M of Waste Operations Facilities |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| <b>6. INDEX LINE NO.</b>  | <b>7. REVISION NO. AND AUTHORIZATION</b><br>N/A |   | <b>8. DATE</b><br>N/A                                |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| <b>9. APPROVED CHANGES</b><br>N/A   |   |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| <b>10. SYSTEM DESIGN DESCRIPTION</b>  |   |   | <b>11. BUDGET AND REPORTING NUMBER</b>               |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| <p><b>12. ELEMENT TASK DESCRIPTION</b> (Continued)</p> <p>Requirements (TSR) BJC 2003b</p> <p>FY 2004 and Out Years Planned Accomplishments</p> <p>* Complete annual S&amp;M of PORTS Waste Ops facilities in compliance with DOE Orders and Regulations</p> <p>FY 2003 Scope:</p> <p>Facility Operations</p> <p>Provide preventive, corrective, and janitorial maintenance, facility management, and power of DOE non-leased facilities utilized by the PORTS Waste Disposition project at the Portsmouth site. Tasks include maintenance of building utility and auxiliary systems, instrument calibration, relamping, painting, and minor structural and miscellaneous repairs. This activity also includes the acquisition of materials and the administrative effort necessary to support ongoing operations while ensuring the health and safety of personnel and the environment. Other tasks to be performed also include:</p> <ul style="list-style-type: none"> <li>* Performance of daily facility maintenance, such as preventive maintenance, janitorial maintenance, and corrective maintenance such as light re-lamping, utilities, painting, small equipment troubleshooting &amp; repair, and grass cutting/weed eating</li> <li>* Daily mechanical, instrument, and electrical maintenance activities</li> <li>* Annual inventories of DOE material and equipment</li> <li>* Implementation of Facility Management Program, including oversight of planning, management and execution of all facility activities</li> <li>* Building operations/custodianship support</li> <li>* Roof Assessment/Monitoring support</li> <li>* HVAC system assessment</li> <li>* Replacement of one chiller</li> </ul> <p>The facilities at Portsmouth that are maintained under this scope are listed below.</p> <table border="0"> <tr> <td>Facility No.</td> <td>Facility Description</td> </tr> <tr> <td>X-7725</td> <td>Recycle/Assembly Building</td> </tr> <tr> <td>X-7725A</td> <td>Waste Accountability Facility</td> </tr> <tr> <td>X-3001(S)</td> <td>GCEP Process Building #1 South</td> </tr> <tr> <td>X-7745R</td> <td>Recycle/Assembly Storage Yard</td> </tr> <tr> <td>X-744Y</td> <td>Waste Storage Yard</td> </tr> <tr> <td>X-326L</td> <td>L Cage, L Cage Glove Box &amp; Storage Area</td> </tr> <tr> <td>XT-860A</td> <td>Rubb Building east of X-7725</td> </tr> <tr> <td>XT-860B</td> <td>Rubb Building north of X-3346</td> </tr> <tr> <td>DMSAs*</td> <td>Department of Energy Material Storage Areas</td> </tr> </table> <p>* excluding EIU 11, 12 and USEC DMSAs</p> |   |   |  | Facility No. | Facility Description | X-7725 | Recycle/Assembly Building | X-7725A | Waste Accountability Facility | X-3001(S) | GCEP Process Building #1 South | X-7745R | Recycle/Assembly Storage Yard | X-744Y | Waste Storage Yard | X-326L | L Cage, L Cage Glove Box & Storage Area | XT-860A | Rubb Building east of X-7725 | XT-860B | Rubb Building north of X-3346 | DMSAs* | Department of Energy Material Storage Areas |
| Facility No.  | Facility Description                            |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| X-7725  | Recycle/Assembly Building                       |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| X-7725A   | Waste Accountability Facility                   |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| X-3001(S)   | GCEP Process Building #1 South                  |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| X-7745R   | Recycle/Assembly Storage Yard                   |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| X-744Y  | Waste Storage Yard                              |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| X-326L  | L Cage, L Cage Glove Box & Storage Area         |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| XT-860A   | Rubb Building east of X-7725                    |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| XT-860B   | Rubb Building north of X-3346                   |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| DMSAs*  | Department of Energy Material Storage Areas     |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |



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

|  |   |   |  |
|--|---|---|--|
| <b>1. PROJECT TITLE/PARTICIPANT</b><br>Environmental Management/Bechtel Jacobs Company LLC   |   | <b>2. DATE</b><br>01/08/2004  | <b>3. IDENTIFICATION NUMBER</b><br>DE-AC05-98OR22700 |
| <b>4. WBS ELEMENT CODE</b><br>1.12.05.03.05.02   |   | <b>5. WBS ELEMENT TITLE</b><br>PORTS S&M of Waste Operations Facilities |  |
| <b>6. INDEX LINE NO.</b>   | <b>7. REVISION NO. AND AUTHORIZATION</b><br>N/A |   | <b>8. DATE</b><br>N/A                                |
| <b>9. APPROVED CHANGES</b><br>N/A  |   |   |  |
| <b>10. SYSTEM DESIGN DESCRIPTION</b>   |   |   | <b>11. BUDGET AND REPORTING NUMBER</b>               |
| <p><b>12. ELEMENT TASK DESCRIPTION (Continued)</b></p> <ul style="list-style-type: none"> <li>* Removal &amp; disposal of unneeded material and unusable/salvage equipment in XT-860B</li> <li>* Implementation of new requirements identified in the new Documented Safety Analysis (DSA) BJC 2003a and Technical Safety Requirements (TSR) BJC 2003b for the following Portsmouth Gaseous Diffusion Plant Category 2 facilities: X-326 L-cage, X-326 DMSAs, X-7725, and X-7745R. These new requirements also impact four other Category 2 facilities (X-345, X-705E, X-744G, and X-7726), which are maintained under the scope of the PORTS S&amp;M of UP Facilities subproject (WBS 05.02.02.05). The following scope will be divided 50/50 between this subproject and WBS 05.02.02.05:</li> </ul> <ol style="list-style-type: none"> <li>1) Development and revision of operating and maintenance procedures (7 new procedures, 6 major revisions, and 26 minor revisions)</li> <li>2) Flow down Matrix impacts, including supporting implementation of processes for management and tracking requirements</li> <li>3) Review and revision of procedures for USEC Fire Department, Emergency Management, and Plant Shift Superintendent (PSS) groups - also includes PSS mode change tracking and appropriate BJC communications, and development and conduction of annual fire drill to verify Fire Department response capability</li> <li>4) Nuclear Criticality Safety (NCS) assumption verification flowdown</li> <li>5) Training development, execution, and certification - 3 training modules needed for DSA, TSR, and General Employee Training (GET), along with conduction of training; TSR, Conduct of Operations, and applicable training for support personnel</li> <li>6) Development of Division of Responsibility (DOR) Matrix</li> <li>7) Interim Configuration Control</li> <li>8) BJC Validation - performance and readiness activities associated with implementation verification that demonstrates readiness of the facility to implement DSA/TSR</li> <li>9) Implementation Coordination &amp; Support</li> </ol> <p>The following DSA/TSR Implementation scope will be performed 100% under this subproject:</p> <ol style="list-style-type: none"> <li>1) Facility Modifications, Testing, and Implementation impacts, including: Procurement and installation of of traffic control barriers (jersey bouncers, assume approximately 1,140 feet) at the X-7745R to provide additional protection from vehicle impact; periodic Quality Assurance assessments (6 per year - 3 for FY03) to ensure Criticality Accident Alarm System (CAAS) and sprinkler system at the X-326 L-cage and X-326 DMSAs are maintained operable per the TSR; and engineering support and final walkdown of facility modifications</li> </ol> <p>A project execution plan will be developed for each subproject to communicate to the project team the scope, method of accomplishment, performance criteria and metrics and procurement strategy.</p> <p>Out year Scope</p> <p>Facility Operations</p> <p>Provide preventive, corrective, and janitorial maintenance, facility management, and power of DOE non-leased facilities utilized by the PORTS Waste Disposition project at the Portsmouth site. Tasks include maintenance of building utility and auxiliary systems, instrument calibration, relamping, painting, and minor structural and miscellaneous repairs. This activity also includes the acquisition of materials and the administrative effort necessary to support ongoing operations while ensuring the health and</p> |   |   |  |



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

|  |   |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
|--|---|---|--|--------------|----------------------|--------|---------------------------|---------|-------------------------------|-----------|--------------------------------|---------|-------------------------------|--------|--------------------|--------|---|---------|------------------------------|---------|-------------------------------|--------|---|
| <b>1. PROJECT TITLE/PARTICIPANT</b><br>Environmental Management/Bechtel Jacobs Company LLC   |   | <b>2. DATE</b><br>01/08/2004  | <b>3. IDENTIFICATION NUMBER</b><br>DE-AC05-98OR22700 |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| <b>4. WBS ELEMENT CODE</b><br>1.12.05.03.05.02   |   | <b>5. WBS ELEMENT TITLE</b><br>PORTS S&M of Waste Operations Facilities |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| <b>6. INDEX LINE NO.</b>   | <b>7. REVISION NO. AND AUTHORIZATION</b><br>N/A |   | <b>8. DATE</b><br>N/A                                |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| <b>9. APPROVED CHANGES</b><br>N/A  |   |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| <b>10. SYSTEM DESIGN DESCRIPTION</b>   |   |   | <b>11. BUDGET AND REPORTING NUMBER</b>               |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| <b>12. ELEMENT TASK DESCRIPTION (Continued)</b><br><ul style="list-style-type: none"> <li>* Daily Health Physics support</li> <li>* Annual inventories of DOE material and equipment</li> <li>* Performance of monthly and quarterly radiological surveys and decontamination as needed</li> <li>* Implementation of Facility Management Program, including oversight of planning, management and execution of all facility activities</li> <li>* Building operations/custodianship support</li> <li>* Roof Assessment/Monitoring support</li> <li>* HVAC system assessment</li> <li>* Replacement of two chillers</li> <li>* Engineering support for excavation/penetration permits, electrical support, drafting and design services</li> <li>* Periodic Quality Assurance assessments (6 per year) to ensure Criticality Accident Alarm System (CAAS) and sprinkler system at the X-326 L-cage and X-326 DMSAs are maintained operable per the TSR</li> </ul> <p>The facilities at Portsmouth that are maintained under this scope are listed below.</p> <table border="0"> <tr> <td style="padding-right: 20px;">Facility No.</td> <td>Facility Description</td> </tr> <tr> <td>X-7725</td> <td>Recycle/Assembly Building</td> </tr> <tr> <td>X-7725A</td> <td>Waste Accountability Facility</td> </tr> <tr> <td>X-3001(S)</td> <td>GCEP Process Building #1 South</td> </tr> <tr> <td>X-7745R</td> <td>Recycle/Assembly Storage Yard</td> </tr> <tr> <td>X-744Y</td> <td>Waste Storage Yard</td> </tr> <tr> <td>X-326L</td> <td>L Cage, L Cage Glove Box &amp; Storage Area</td> </tr> <tr> <td>XT-860A</td> <td>Rubb Building east of X-7725</td> </tr> <tr> <td>XT-860B</td> <td>Rubb Building north of X-3346</td> </tr> <tr> <td>DMSAs*</td> <td>Department of Energy Material Storage Areas</td> </tr> </table> <p>* excluding EU 11, 12 and USEC DMSAs</p> <p>Project Planning and Support (PP&amp;S)</p> <p>Provide project level planning, oversight, technical support, and financial control and reporting for all activities within this project. This includes, but is not limited to: Project Management, Subcontract Management, Environmental, Safety and Health oversight, Quality oversight, support for the Life Cycle Baseline, other out-year budget submittals, and the following routine reports.</p> <ul style="list-style-type: none"> <li>Monthly Technical Progress Report</li> <li>Monthly Status Review Report</li> <li>Midyear Project Status Review</li> <li>Quarterly Project Status Review</li> <li>Year-end Project Status Review</li> </ul> |   |   |  | Facility No. | Facility Description | X-7725 | Recycle/Assembly Building | X-7725A | Waste Accountability Facility | X-3001(S) | GCEP Process Building #1 South | X-7745R | Recycle/Assembly Storage Yard | X-744Y | Waste Storage Yard | X-326L | L Cage, L Cage Glove Box & Storage Area | XT-860A | Rubb Building east of X-7725 | XT-860B | Rubb Building north of X-3346 | DMSAs* | Department of Energy Material Storage Areas |
| Facility No.   | Facility Description                            |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| X-7725   | Recycle/Assembly Building                       |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| X-7725A  | Waste Accountability Facility                   |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| X-3001(S)  | GCEP Process Building #1 South                  |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| X-7745R  | Recycle/Assembly Storage Yard                   |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| X-744Y   | Waste Storage Yard                              |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| X-326L   | L Cage, L Cage Glove Box & Storage Area         |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| XT-860A  | Rubb Building east of X-7725                    |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| XT-860B  | Rubb Building north of X-3346                   |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |
| DMSAs*   | Department of Energy Material Storage Areas     |   |  |              |                      |        |                           |         |                               |           |                                |         |                               |        |                    |        |   |         |                              |         |                               |        |   |