



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

1. PROJECT TITLE/PARTICIPANT Environmental Management/Bechtel Jacobs Company LLC		2. DATE 01/08/2004	3. IDENTIFICATION NUMBER DE-AC05-98OR22700
4. WBS ELEMENT CODE 1.12.05.02.02.06		5. WBS ELEMENT TITLE Cold Standby Technical Support	
6. INDEX LINE NO.	7. REVISION NO. AND AUTHORIZATION N/A		8. DATE N/A
9. APPROVED CHANGES N/A			
10. SYSTEM DESIGN DESCRIPTION			11. BUDGET AND REPORTING NUMBER
12. ELEMENT TASK DESCRIPTION WBS GRAPHIC See attached. INTRODUCTION The Portsmouth Gaseous Diffusion Plant was constructed during the cold war to enrich uranium in support of both government and private programs. A majority of the plant is currently being maintained in Cold Standby under a contractual agreement between the United States Enrichment Corporation (USEC) and DOE. The Cold Standby agreement covers an initial period of two years, and is currently assumed to last through FY 2006. The purpose of this subproject is to provide DOE with technical support during its administration of the Cold Standby subcontract with USEC. LOGIC RELATIONSHIPS This subproject does not contain any inter-subproject ties to other subprojects SCOPE DESCRIPTION Release Sites and Facilities Assessments to be completed: None Actions to be completed: None Performance Metrics/Indicators Past and Future Accomplishments Past Accomplishments * Completed review and issue recommendations to DOE on initial contract deliverables which are due from USEC within one month of contract award (see attached deliverable table from the DOE Statement of Work for USEC). * Complete review and issue recommendations to DOE on first two cycles of routine monthly deliverables due under the contract (see attached deliverable table from the DOE Statement of Work for USEC). * Complete review and issue recommendations to DOE on routine monthly deliverables due under the contract (see attached deliverable table from the DOE Statement of Work for USEC). * Monitor and provide daily reports on USEC field activities.			



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12. ELEMENT TASK DESCRIPTION (Continued) <ul style="list-style-type: none">* Review and evaluate USEC plans/submittals for Cold Standby activities* Review/monitor USEC Cold Standby operations* Analysis of deposit removal strategies* Provide wide range technical support, including:<ul style="list-style-type: none">* GE/USEC CSB estimate comparisons* CSB Power forecasts* Deposit removal plan change evaluation* Statement of Work (SOW) revisions.* Validation / verification of CSB contract for components. <p>Scope: the detailed Life Cycle Scope of the Subproject</p> <p>FY02 Planned Scope Accomplishments</p> <p>Provide technical support to the DOE to monitor the progress and effectiveness of CSB operations, deposit removal, and process building winterization projects at PORTS per the USEC / DOE contracts. This includes, but is not limited to the following:</p> <p>The restart readiness of the PORTS gaseous diffusion enrichment process will be evaluated from data collected from many sources including,</p> <ul style="list-style-type: none">* Shutdown data (i.e. cell negatives, known deposits, etc.)* Facility modification activities* Walk-through inspections* Round sheets and logs (i.e. buffer pressure checks, buffer moisture analyses, R-114 pumping system checks, etc.)* Preventive and corrective maintenance activities* System testing (i.e. battery rooms, emergency generators, etc.)* Daily problem reports* Surveillance and audit reports* CMMS data* Captive Services data relating to CSB operations* Cold Standby System Status Identification Report* Project Execution Plan* Plans previously submitted to NRC* Cold Standby monthly status reports* Project Baseline report* Restart Plan report* Integrated Program Review* Contract Performance of Work monthly report* R-114 Management Plan* Performance Improvement Plan			



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12. ELEMENT TASK DESCRIPTION (Continued) <ul style="list-style-type: none"> * Cascade operations logs * Cell treatment data sheets * PIRA buggy data * Cell treatment lab sampling data * Barrier quality test data and results * NDA measurements * NMC&A records * Uranium recovery activities * Cell Treatment Effectiveness Test Plan * Cell Treatment Effectiveness Test report * LTLT Test Plan * LTLT Test report * Deposit Removal Status monthly report <p>Winterization support personnel will use many of the same data sources listed above. In addition, personnel will gather data from the following sources.</p> <ul style="list-style-type: none"> * Winterization, Test, Startup and Performance Review Plan * Heater Performance Monitoring Plan * Power Minimization Plan * Heating System Maintenance Plan * Winterization Project Status monthly report * Independent temperature measurements as warranted <p>FY 2003 Scope</p> <p>Provide technical support to the DOE to monitor the progress and effectiveness of CSB operations and deposit removal, per the USEC / DOE contracts. This includes, but is not limited to the following:</p> <p>The restart readiness of the PORTS gaseous diffusion enrichment process will be evaluated from data collected from many sources including,</p> <ul style="list-style-type: none"> * Shutdown data (i.e. cell negatives, known deposits, etc.) * Facility modification activities * Walk-through inspections * Round sheets and logs (i.e. buffer pressure checks, buffer moisture analyses, R-114 pumping system checks, etc.) * Preventive and corrective maintenance activities * System testing (i.e. battery rooms, emergency generators, etc.) * Daily problem reports 			



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<p>12. ELEMENT TASK DESCRIPTION (Continued)</p> <ul style="list-style-type: none"> * Project Execution Plan * Plans previously submitted to NRC * Cold Standby monthly status reports * Project Baseline report * Restart Plan report * Integrated Program Review * Contract Performance of Work monthly report * R-114 Management Plan * Performance Improvement Plan * Cell sampling results performed in accordance with K/PS-1141 * Invoice review & recommendations * Wide range technical support to DOE: (ex, 1) IGE/USEC CSB estimate comparisons, 2) CSB Power forecasts, 3) Protracted review of USEC plan submittals, 4) Deposit removal plan change evaluation, 5) Special process spares situation evaluation, 6) Statement of Work (SOW) revisions) * Monitor winterization heater performance, power minimization, and heating system maintenance plans / reports. <p>The status of deposit removal operations will be evaluated using many of the same data sources listed above. In addition, data will be collected from</p> <ul style="list-style-type: none"> * Cascade operations logs * Cell treatment data sheets * PIRA buggy data * Cell treatment lab sampling data * Barrier quality test data and results * NDA measurements * NMC&A records * Uranium recovery activities * Cell Treatment Effectiveness Test Plan * Cell Treatment Effectiveness Test report * LTLT Test Plan * LTLT Test report * Deposit Removal Status monthly report * Analysis of existing deposits for removal <p>In addition, personnel will gather data from the following sources.</p> <ul style="list-style-type: none"> * Winterization, Test, Startup and Performance Review Plan * Heater Performance Monitoring Plan * Power Minimization Plan * Heating System Maintenance Plan * Winterization Project Status monthly report 			



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<p>12. ELEMENT TASK DESCRIPTION (Continued)</p> <p>Provide technical support to the DOE to monitor the progress and effectiveness of CSB operations, and process building winterization projects at PORTS per the USEC / DOE contracts. This includes, but is not limited to the following:</p> <p>The restart readiness of the PORTS gaseous diffusion enrichment process will be evaluated from data collected from many sources including,</p> <ul style="list-style-type: none"> * Shutdown data (i.e. cell negatives, known deposits, etc.) * Facility modification activities * Walk-through inspections * Round sheets and logs (i.e. buffer pressure checks, buffer moisture analyses, R-114 pumping system checks, etc.) * Preventive and corrective maintenance activities * System testing (i.e. battery rooms, emergency generators, etc.) * Daily problem reports * Surveillance and audit reports * CMMS data * Captive Services data relating to CSB operations * Cold Standby System Status Identification Report * Project Execution Plan * Plans previously submitted to NRC * Cold Standby monthly status reports * Project Baseline report * Restart Plan report * Integrated Program Review * Contract Performance of Work monthly report * R-114 Management Plan * Performance Improvement Plan * Cell sampling results performed in accordance with K/PS-1141 <p>In addition, personnel will gather data from the following sources.</p> <ul style="list-style-type: none"> * Winterization, Test, Startup and Performance Review Plan * Heater Performance Monitoring Plan * Power Minimization Plan * Heating System Maintenance Plan * Winterization Project Status monthly report * Independent temperature measurements as warranted <p>SAFETY AND HEALTH WORK PERFORMANCE</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</p>			



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12. ELEMENT TASK DESCRIPTION (Continued) 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.			



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12. ELEMENT TASK DESCRIPTION (Continued) <p>As applicable, indicate other regulatory-related requirements. CERCLA: Y/N RCRA: Y/N DNFSB: Y/N DOE Orders: Y/N AEA: Y/N UMTRCA: Y/N State: Y/N Other: Y/N</p> <p>WASTE VOLUMES Please see attached waste performance metrics, as applicable.</p> <p>PROJECT SCHEDULE Please see attached project summary schedule, and Milestone Status Summary Report.</p> <p>EXECUTION YEAR BASELINE Please see attached Budgeted Cost of Work Scheduled Plan.</p> <p>BASELINE BY YEAR Please see attached Baseline by Year Report. The Baseline by Year Report should be by Fiscal Year (for the project duration), sorted by Level-7 of the WBS.</p>			