



***** Baseline Scenario: GCEP WBS Dictionary *****
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 1.12.05.04.03.03		5. WBS ELEMENT TITLE PORTS Early D&D - GCEP Cleanout	
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			
<p>12. ELEMENT TASK DESCRIPTION</p> <p>INTRODUCTION</p> <p>Prior to 1985 a series of facilities were constructed to support a Gas Centrifuge Enrichment Plant (GCEP) at the Portsmouth Gaseous Diffusion Plant. The "GCEP" facilities have been identified as prime candidate for reuse, possibly for Advance Enrichment Technology. The scope of this subproject is to support reuse by relocating DOE missions currently in the "GCEP" facilities to other existing on-site facilities or have subcontractor move off-site if subcontractor does not have office space provided. One of the identified facilities is the X-1000 building. X-1000 is proposed for office space, locker rooms, and training facilities.</p> <p>The facilities associated GCEP include the following:</p> <ul style="list-style-type: none"> - X-3001 - GCEP Process Building #1 - X-3002 - GCEP Process Building #2 - X-3012 - GCEP Process Support Building - X-7725 - R/A Building - X-7725A - Waste Accountability Facility - X-7726 - Centrifuge Training and Test Facility - X-7727H - Interplant Transfer Corridor - X-7745R - R/A Storage Yard <p>In 1985 a decision was made to stop the GCEP project, and the facilities were reused for the DOE mission. Currently (July 2003) the "GCEP" facilities are being utilized for the following functions:</p> <ul style="list-style-type: none"> - X-3001 N. half - classified storage area for abandoned GCEP equipment/parts, records and GDP equipment - X-3001 S. half - non-classified storage of equipment and EM material - X-3002 - Empty except for a heating system used to heat the DOE facilities and 2 hot water boilers - capable of oil or gas. - X-3012 - Office space, maintenance shops, record storage, and equipment's battery room. - X-7725 - Waste storage area (RCRA, LLW, TLLW), office space, locker rooms, and laboratories - X-7725A - Waste storage - X-7726 - Office space and training area. - X-7727H - Corridor with small amount of non-waste storage - X-7745R - Low level waste storage area <p>The benefit(s) of this subproject is that it facilitates improved site asset utilization, and has a positive socioeconomic impact on Southeast Ohio.</p> <p>The end state of this subproject is that the current "GCEP" facility will be made available for Lead Cascade.</p> <p>LOGIC RELATIONSHIPS</p> <p>This subproject has the following subproject relationships:</p> <ul style="list-style-type: none"> - This subproject will require direct support from the Safeguard and Security subproject, which will need to support 			



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<p>12. ELEMENT TASK DESCRIPTION (Continued)</p> <ul style="list-style-type: none"> - Waste disposition - waste needs to be removed from X-7725 before RCRA closure. <p>SCOPE DESCRIPTION</p> <p>Release Sites and Facilities</p> <p>Assessments NONE</p> <p>Actions NONE</p> <p>PAST AND FUTURE ACCOMPLISHMENTS</p> <p>Prior Years Accomplishments</p> <ul style="list-style-type: none"> - Preliminary plans with various options extending to FY 2007 have been drafted. <p>Future Accomplishments</p> <ul style="list-style-type: none"> - Assemble team of "Q" cleared personnel - Complete clean-out of X-3001 South half - USEC to complete relocation of personnel and operations from XT-847 and X-7721 - Complete facility repairs / modifications (X-1000) - Complete relocation of DOE mission to new facilities (X-1000) - Complete cleanout of X-3001 North half and other "GCEP" facilities - Complete RCRA closure of X-7725 Area "A" (western portion) - Waste disposal - Determine location of maintenance shop (includes modifications and relocation) - Determine location for future RCRA storage (includes modifications and relocation) <p>PERFORMANCE METRICS (see schedule and/or milestone log for dates)</p> <p>FY03</p> <ul style="list-style-type: none"> - Project start - planning and scheduling with unclassified tasks only. <p>Out Years</p> <ul style="list-style-type: none"> - Planning and scheduling of classified portions of the project (after "Q" clearances obtained) - Complete facility modifications X-1000 (FY04) - Complete relocation of personnel in X-7725 & X-3012 (FY05) - Complete GCEP Clean-out of X-3001 (FY06) - Complete RCRA closure of X-7725 (FY07) - Complete facility modifications for TBD maintenance shop (FY 2004) - Complete facility modifications for TBD RCRA storage area (FY 2005) 			



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12. ELEMENT TASK DESCRIPTION (Continued) <ul style="list-style-type: none"> - Project Management & Support - Facility Repairs / Modifications - Relocation of DOE operations - X-3001 GCEP Cleanout - X-3002 Heating Plant Enclosure - RCRA Closure of X-7725 <p>Project Management & Support (WBS 05.04.03.03.01)</p> <p>Project Management and Support includes subcontract award/management, planning, baseline development/management, procurement, property control, cost/schedule performance, progress reporting, technical coordination, records management, P/QA oversight, safety oversight, functional group coordination, client/regulatory interface, document review, responses to what-if requests, security plans and reviews, classification reviews, classified work areas, document storage, classified IT equipment and secure telephone.</p> <p>In addition to the management of the subproject as indicated above, this element also includes the following:</p> <ul style="list-style-type: none"> - PACE union negotiations for special disposition from bumping, which is required due to utilization of "Q" clearance personnel for X-3001 cleanout. - NEPA for X-3001 Cleanout - Support lease agreement negotiations - Safety analysis for "GCEP" facilities - NEPA for X-7725 waste removal and closure - Documentation and turnover of facility operations ("GCEP" facilities). - Classified material inventory tracking - Subproject closeout <p>Facility Repairs / Modifications (WBS 05.04.03.03.10)</p> <p>TBD - Future RCRA Permitted Storage Area and office space for Waste Management operations. The repairs and modifications required include the following:</p> <ul style="list-style-type: none"> - Inspection and corrective maintenance on the HVAC, fire alarm, electrical, sprinkler, plumbing, telephone, communication, and computer network. - Repairs to the office area will involve general cleanup, repair/painting interior surfaces, and replacement (as required) of ceiling tiles and lights. - Modifications to the storage area include floor coating, installation of a curb/dike around storage area, installation of flammable material storage area, installation of 10,000 SF concrete storage pad, and removal of NCS compliance storage array racks. <p>X-1000 Building - Future office space, locker rooms, and document storage area. The repairs and modifications required include the following:</p> <ul style="list-style-type: none"> - Inspection and corrective maintenance on the HVAC, fire alarm, electrical, sprinkler, plumbing, telephone, communication, computer network, and elevator repairs. - Repairs to the office and walkway areas will involve general cleanup, repair/maintaining interior surfaces, replacement of carpet 			



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<p>12. ELEMENT TASK DESCRIPTION (Continued)</p> <p>TBD (MST) - Future office space, locker rooms, maintenance shops, laboratories, and training facilities. The repairs and modifications required include the following:</p> <ul style="list-style-type: none"> - Inspection and corrective maintenance on the HVAC, fire alarm, electrical, sprinkler, plumbing, telephone, communication, and computer network. - Repairs to the office, training and walkway areas will involve general cleanup, repair/painting interior surfaces, replacement of carpet, and replacement (as required) of ceiling tiles and lights. - Renovation of the locker and rest rooms will require general cleanup, repair/painting interior surfaces, repair/replacement of lockers, and replacement (as required) of ceiling tiles and lights. - Renovation of shops and laboratories will require general cleanup, repair/painting interior surfaces, minor electrical and plumbing modifications, and replacement (as required) of ceiling tiles and lights. <p>Relocation of DOE operations (WBS 05.04.03.03.20)</p> <p>This element includes the relocation of personnel (DOE, BJC, and Subcontractors) from the "GCEP" facilities to X-1000 and includes the following:</p> <ul style="list-style-type: none"> - Space planning and move coordination - Move and setup office furniture. - Move and setup of shop and laboratory equipment. - Move and setup computers. - Move records, office equipment, and other items. - Move telephones. - Removal and disposition of excess furniture, equipment and materials ("GCEP" facilities). - General cleanup ("GCEP" facilities). <p>X-3001 GCEP Cleanout (WBS 05.04.03.03.30)</p> <p>The scope of this element includes the following:</p> <ul style="list-style-type: none"> - Relocation or disposal of non-classified material in X-3001 south half - Relocation of un-classified records and material in X-3001 north half (future location TBD) - Setup temporary office space in X-3001 - Isolate X-3001 with fencing, to limit access (discontinue walkthrough from X-3012 to X-7725) - Fabricate tools and fixtures to support centrifuge equipment dismantle. - Identification, repackaging, removal, and disposal of non-classified and non-contaminated parts. - Disassembly of 569 clean (non-rad Contaminated) centrifuge equipment, remove hazardous materials/fluids, declassification of certain disassembled components, and volume reduce remaining classified components. Hazardous materials/fluids removal, declassification, and volume reduction will also be performed on the clean spare components. Volume reduced classified components will be packaged in drums/boxes and loaded into Sea Land containers, shipped and disposed in a classified contaminated landfill. Non-contaminated and declassified components will be made available of resale. - Disassembly of 812 radiologically contaminated centrifuge equipment and associated systems, remove hazardous materials/fluids, decontamination of components, declassification of certain disassembled components, and volume reduce remaining classified components. Volume reduced classified components will be packaged in drums/boxes and loaded into Sea Land containers. shipped and disposed in a classified contaminated landfill. Non-contaminated and declassified components will 			



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<p>12. ELEMENT TASK DESCRIPTION (Continued)</p> <ul style="list-style-type: none"> - Disposal at TSCA; 13,400 gallons of liquid (oil) <p>X-3002 Heating Plant Enclosure (WBS 05.04.03.03.35)</p> <p>The scope of this element is to design and install an enclosure around the X-3002 heating plant (boilers), which serves both as a firewall and access control. The 20900 SF enclosure, consist of masonry lower walls, sheet metal upper walls, doors, fire protection, and a sheet metal roof. Before this portion of the project is planed, a discussion will be initiated with the future facility user to determine if this approach is appropriate for the future use of the facility; if not another approach will be developed.</p> <p>RCRA Closure of X-7725 (WBS 05.04.03.03.40)</p> <p>The scope of this element includes (X-7725 RCRA Storage Area = 292,234 SF):</p> <ul style="list-style-type: none"> - Subcontract award for closure - Health and Safety Plan - Surface decontamination - Verification sampling - Closure certification <p>Waste Disposal (WBS 05.04.03.03.50)</p> <ul style="list-style-type: none"> - X-3001 Cleanout - disposal at NTS; 12,839 CY of solid waste <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 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 issues. 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&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>			



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12. ELEMENT TASK DESCRIPTION (Continued) REQUIREMENTS/DRIVERS Bechtel Jacobs Company LLC Contract DE-AC05-98OR22700, December 18, 1997 Integrated Safety Management System Description, BJC/OR-87, Revision 2, September 1999 Integrated Safety Management System Description, BJC-GM-1400, Revision 2, October 2001 As applicable, indicate other regulatory-related requirements. CERCLA: N RCRA: Y DNFSB: N DOE Orders: Y AEA: N UMTRCA: N State: Y Other: N			