

**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 10/01/02	3. IDENTIFICATION NUMBER DE-AC05-98OR22700
4. WBS ELEMENT CODE 04.01.01.09		5. WBS ELEMENT TITLE PAD Soils Operable Unit – Removal Action	
6. INDEX LINE NO. N/A	7. REVISION NO. AND AUTHORIZATION Rev. 2		8. DATE 08/21/03
9. APPROVED CHANGES N/A			
10. SYSTEM DESIGN DESCRIPTION N/A		11. BUDGET AND REPORTING NUMBER N/A	
12. ELEMENT TASK DESCRIPTION			
<p>WBS GRAPHIC</p> <p style="padding-left: 40px;">See attached.</p> <p>INTRODUCTION</p> <p>The Soils Operable Unit consists (SOU) of 73 Solid Waste Management Units (SWMUs) as well as site-wide PCB and radiological contaminated outdoor areas.</p> <p>Under this WBS (SOU Removal Action) only those areas of the SOU that require an action are addressed. Historical characterization data suggests that most of the 73 SWMUs do not represent a sufficient risk to justify an action. It is suspected that some of the ground surfaces below the outside DOE Material Storage Areas (DMSAs) and existing scrap metal stockpiles (scrap metal). These areas will be characterized after the scrap metal and DMSAs are removed. Areas that warrant an action will be addressed through removal action documentation. These areas will be characterized prior to removal. Removal will consist of excavation and disposal of contaminated soils.</p> <p>LOGIC RELATIONSHIPS</p> <p>The 73 SWMUs contained in the SOU will be addressed in the final site-wide ROD after the plant shutdown. Removal of the Scrap Metal (WBS 04.01.02.12) and DMSAs (WBS 04.01.02.11) must be completed prior to field activities associated with this subproject (WBS 04.01.01.09). Final cover over two areas excavated in conjunction with subproject (WBS 04.01.01.09) will be applied under the BGOU Removal Action subproject (WBS 04.01.01.12), specifically the area of SWMU 6 and SWMU 7. The Long Term S&M subproject will cover any 5-year review requirements associated with the removal performed under this subproject (WBS 04.01.01.09).</p> <p>SCOPE DESCRIPTION</p> <p>Release sites and Facilities:</p> <ul style="list-style-type: none"> - C-746-P1, Clean Excess Metal Yard (RAIMS #2682) - C-746-P East, Regulated Scrap Yard (RAIMS #2682) - C-746-E, Contaminated Excess Metal Yard (RAIMS #2684) - C-746-E1, Contaminated Excess Metal Yard (RAIMS #2684) - C-746-C, Contaminated Excess Metal Yard (RAIMS #2685) - C-746-C1, Contaminated Excess Metal Yard (RAIMS #2685) - C-747-A, Burial Ground (RAIMS # 2523) - C-747-B, Scrap Yard & Burial Ground (RAIMS # 2060) 			

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<ul style="list-style-type: none"> - Outside DMSA 02 (No RAIMS # assigned) - Outside DMSA 03 (No RAIMS # assigned) - Outside DMSA 04 (No RAIMS # assigned) - Outside DMSA 05 (No RAIMS # assigned) - Outside DMSA 06 (No RAIMS # assigned) - Outside DMSA 07 (No RAIMS # assigned) - Outside DMSA 08 (No RAIMS # assigned) - Outside DMSA 09 (No RAIMS # assigned) - Outside DMSA 10 (No RAIMS # assigned) - Outside DMSA 11 (No RAIMS # assigned) - Outside DMSA 12 (No RAIMS # assigned) - Outside DMSA 13 (No RAIMS # assigned) - Outside DMSA 14 (No RAIMS # assigned) - Outside DMSA 15 (No RAIMS # assigned) - Outside DMSA 16 (No RAIMS # assigned) - Outside DMSA 17 (No RAIMS # assigned) - Outside DMSA 18 (No RAIMS # assigned) <p>Assessment to be completed:</p> <p style="padding-left: 40px;">NONE.</p> <p>Actions to be completed:</p> <p style="padding-left: 40px;">Excavation of soil from these areas will occur under an approved Removal Action Work Plan.</p> <p>Past and Future Accomplishments</p> <p>Past Accomplishments</p> <ul style="list-style-type: none"> - None <p>Future Accomplishments</p> <ul style="list-style-type: none"> - Perform technical M&I activities. - Develop a sample and analysis plan. - Prepare D0, D1, and D2 EE/CAs based on existing data. - Facilitate Public Comment Period/ Participation Process. - Prepare D0, D1, and D2 Action Memo. - Prepare D0, D1, and D2 Removal Action (RA) Work Plan, including H&S Plan, Waste Management Plan, Design Report, O&M Plan, LUCIP, and NEPA requirements. - Excavate entire area now occupied by Outside DMSAs and Scrap Metal yards and backfill with clean soil. - Prepare D0, D1, and D2 Removal Action Report. - Characterize excavated material and prepare appropriate documentation and then transport material to disposal site. <p>Scope</p> <p>04.01.01.09.01 Technical Management and Integration</p>		

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<p>Technical Management and Integration activities include the technical, subcontract, and project management necessary to ensure that all activities in the WBS elements are completed on schedule, within budget, and without safety or environmental incident. Technical Management and Integration includes the Project Manager, Deputy Project Manager, Lead Engineer, Project Controls and other BJC personnel who will perform management activities, project scheduling and estimating.</p> <p>Baseline Change Proposals – Prepare BCP documentation to make necessary corrections to the FY 03 baseline when scope, schedule, or cost changes are determined necessary.</p> <p>Specific activities include:</p> <ul style="list-style-type: none"> - Maintain contact and open communications with the appropriate DOE Project Manager on the subproject activities. - Participate in biweekly technical information and monthly Project Status Review meetings to provide the DOE with project status summaries. - Respond and supply information to DOE for Lessons Learned, surveillance and audits, Citizens Advisory Board Support, and other DOE reporting mechanisms. - Maintain the monthly subproject estimates and estimates at completion. <p>04.01.01.09.02 Removal of Soils associated with Outdoor DMSAs and Scrapmetal</p> <ul style="list-style-type: none"> - Develop a sampling and analysis plan for sediments and soil in ditches. - Site-wide RAD walkover survey. - Conduct soil sampling to a maximum depth of 10 feet below ground surface using hand tools. - Analyze samples for PCBs, metals, and radiological parameters. - Load analytical results into the OREIS data system for use. - Develop report that compares analytical results against No Further Action Levels (NFA) levels. - Development a D0, D1, and D2 revisions of the following CERCLA and FFA-required documents (Removal Notification, EE/CA, LUCIP, Action Memorandum, Removal Work Plan, and Removal Action Report). - Coordinate activities associated with the public comment period. - Populate the Administrative Record. - Develop and issue Requests for Proposal for hotspot removals. - Evaluate proposals and select subcontractor(s) to perform soil removals. - Remove approximate 17,185 cubic yards of soil from the Outside DMSA areas, Scrap Metal Yards. - Perform a MARSSIM-based screening level confirmation sampling in the excavations. - Backfill excavations with clean soil and compact. - Characterize waste, develop waste acceptance documentation, transport waste to disposal sites. <p>04.01.01.09.04 DOE Prime</p> <ul style="list-style-type: none"> - This scope of work supports off-site (Envirocare and Nevada Test Site) shipment for waste generated during this action. <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</p>		

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<p>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>In performing the analysis of alternatives against the CERCLA nine criteria, consideration is given to the principles of ISMS. Specifically, in the analysis of "implementability" and "short-term impact", a trade-off assessment is performed to balance the risk to workers compared to the overall benefit of the project. This assessment follows the five core functions of ISMS to assure that the scope of work and the specific steps to carry out the project have been defined in sufficient detail to analyze the associated hazards, the effectiveness of the controls, and the actual risks to the workers.</p> <p>Before this subproject begins, several activities will be completed that demonstrate that all involved in the project have completed rigorous health and safety reviews and that all potential hazards of doing the work have been identified. Routine activities will be conducted in accordance with standard operating procedures, activity hazard analyses, and Integrated Safety Management plans. Non-routine work will require a readiness assessment to ensure complete health, safety, and environmental reviews prior to work start. This assessment will be conducted by people, experienced in similar kinds of work, with the right to examine all aspects of a project about to commence, and require that the project team provide documented evidence that any applicable requirements of the job have been met.</p> <p>REQUIREMENTS/DRIVERS</p> <p>Bechtel Jacobs Company LLC Contract DE-AC05-98OR22700, December 18, 1997 Integrated Safety Management System Description, BJC-GM-1400, Revision 1, January 2001 Site Management Plan for PGDP, Fiscal Year 01 Annual Revision, November 2000 PGDP RCRA/HSWA Permit Number KY8-890-008-982 "Integrated Safety Management System Description, BJC-GM-1400, Revision 2, October 2001 and Integrated Safety Management System Supplement, BJC-GM-1401, Revision 0, December 2000"</p> <p>As applicable, indicate other regulatory-related requirements. CERCLA: <u>Y</u>/N RCRA: <u>Y</u>/N DNFSB: <u>Y</u>/N DOE Orders: <u>Y</u>/N AEA: <u>Y</u>/N UMTRCA: <u>Y</u>/N State: <u>Y</u>/N Other: <u>Y</u>/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.</p>		