

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

1. PROJECT TITLE/PARTICIPANT PGDP Burial Grounds/Bechtel Jacobs Company LLC		2. DATE 10/01/02	3. IDENTIFICATION NUMBER DE-AC05-98OR22700
4. WBS ELEMENT CODE 1.12.04.01.01.11		5. WBS ELEMENT TITLE Burial Grounds Phase I (Assessment/Excavation)	
6. INDEX LINE NO. N/A	7. REVISION NO. AND AUTHORIZATION Rev 1		8. DATE 1/23/03
9. APPROVED CHANGES N/A			
10. SYSTEM DESIGN DESCRIPTION N/A		11. BUDGET AND REPORTING NUMBER N/A	

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12. ELEMENT TASK DESCRIPTION WBS GRAPHIC See attached WBS INTRODUCTION The Burial Ground Operable Unit (BGOU) includes assessment and cleanup of the following Waste Area Groupings (WAGs) and Solid Waste Management Units (SWMUs): <ul style="list-style-type: none"> ✍ WAG 3 (SWMUs 4, 5, & 6); ✍ WAG 14 (SWMU 13) soils below the existing scrap metal stored on the SWMU; ✍ Abandoned North/South (N/S) ditch located within SWMU 145; ✍ WAG 24 (SWMUs 12, 14, and 15) soils below the existing scrap metal stored on each SWMU; ✍ WAG 22 (SWMUs 2, 3, 7, and 30). The BGOU scope in general is as follows: <ul style="list-style-type: none"> ✍ Develop Scoping Documents addressing RI activities at the BGOU (WAGs 14 and 24). During this period, scoping activities will be initiated for the BGOU related to data review, core team presentations and development of data packages; ✍ Develop RI Work Plan addressing activities at the BGOU (WAGs 14 and 24). WAG 3 and WAG 22 RI Reports will be integrated into the BGOU RI scoping activities; ✍ Implementation of a RI per the RI WP for WAGs 14 and 24; ✍ Development of a RI Report addressing the BGOU areas. Information from previous investigations will be integrated into the RI Report so that all of the BGOU areas will be addressed; ✍ To evaluate available data, recommend remedial technologies in compliance with applicable federal and state regulatory requirements (i.e., Feasibility Study [FS]) for the Burial Grounds Operable Unit. (WAG 3 , WAG 14, WAG 22, WAG 24, and the Abandoned N/S Ditch soils within SWMU 145); and ✍ Development of decision documents (Proposed Plan and Record of Decision) for the BGOU areas. ✍ Excavation and removal of determined soils in SWMUs 2, 3, 4, 5, 6, 7, 12, 13, 14, 15, 30, and 145. LOGIC RELATIONSHIPS BGOU Phase I must complete the decision documents identifying the remedial actions prior to implementing the remedial actions under the BGOU Phase II project. The BGOU Phase I will only address the soils below the existing scrap metal currently stored at SWMUs 12, 13, 14, and 15. The removal of the scrap metal at these SWMUs must be completed prior to initiating the BGOU Phase I RI field investigation. Scrap removal is currently scheduled to be conducted as part of a separate clean-up. SCOPE The objective of this subproject is to perform a CERCLA removal action of the BGOU (Remedial Investigation, Feasibility Study, Proposed Plan, Record of Decision) that will identify a course of action to remediate contamination to levels that are protective of human health and the environment through a continuation of non-time critical removal actions and final remedial actions involving the processes of assessment through excavation.		

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<p>Release Sites and Facilities Assessments to be completed</p> <p>Actions to be completed</p>					
<u>Subproject</u>	<u>Location</u>	<u>Raims No.</u>	<u>SWMU No.</u>	<u>Description</u>	<u>IDMS CODE</u>
Burial Grounds Assessments	WAG 3	2059	5	C-746-F Classified Burial Ground	156
	WAG 14	1942	13	C-746-P Clean Scrapyard	15
		1941	16	C-746-D Classified Scrapyard	43
	WAG 22	2523	7s	C-747-A Burial Ground (BG)	173
	(7&30)	2524	30s	C-747-A Burn Area (BG)	174
	WAG 24	2034	12	C-747-A UF4 Drum Yard	14
		2033	14	C-746-E Contaminated Scrapyard	16
		2032	15	C-746-C Scrapyard	17
	N/A	2015	145	Residential/Inert Landfill Borrow Area	42
Excavation	W22	2021	2	C-749 Uranium Burial Ground	18
		2692	3s	C-404 Low-Level Radioactive Waste Burial Ground (BG)	
	WAG 3	2058	4	C-747 Contaminated Burial Ground	156
		2060	6	C-747-B Burial Ground	158
<p>Past Accomplishments</p> <p>Completed WAG 3 and 28 RI and WAG 8 SE field investigation activities. Completed and issued the WAG 3 D1 RI Report to the Regulatory Agencies for review. Completed the WAG 8 SE D0 and D1. Completed WAG 28 RI Report. Completed the D0 and D1 versions of the 5-year review for the BGOU SWMU 2 Interim Actions. Completed the installation of a security fence around the perimeter of SWMU 4.</p>					
<p>Future Accomplishments</p> <p>Management of the WAG 3, 8 & 28 Investigative Derived Waste (IDW). Continue management of the WAG 3, 8 & 28 data gaps IDW. Initiate scoping activities for the BGOU related to data review, core team presentations and development of data packages. Development and issuance of the BGOU D0 and D1 Scoping Document. Address regulator comments on the D0 Report. Complete the D2 version of the 5-year review for the BGOU SWMU 2 Interim Actions. Initiate development of the FS for WAG 3 (SWMUs 4 and 6), WAG 22, (SWMUs 2 and 3), and the Abandoned N/ S Ditch section located within SWMU 145. Develop and obtain approval of D2 WAG 8 SE Report. Transport waste to the onsite landfill from WAGs 3, 8 & 28 field activities. Development and issuance for review the D2 BGOU FS, DO Proposed Plan (PP), and the D0 Record of Decision (ROD). Development and issuance of the D0 BGOU RI Work Plan to DOE for review. Development and issuance of the D1 and D2 BGOU PP, RD Work Plan and the D0 RD Report for review. Development and issuance of the D0 BGOU Construction Assurance Plan for DOE review.</p>					

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<p>Initiate mobilization for fieldwork as a result of approval of the D2 RI Work Plan.</p> <p>Scope</p> <p>04.01.01.11.01 Phase I Technical Management and Integration</p> <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, Task Manager, Task Lead, Project Controls, and other personnel who will perform programmatic activities, and project scheduling and estimating. Additional Bechtel Jacobs Company/Management and Integration support will be carried under the individual WBS elements.</p> <p>The Fiscal Year Baseline/Life Cycle Baseline activities will be performed on an annual basis to determine the scope of work for future work. The future scope of work will be scheduled and estimated based upon regulatory milestones and DOE commitments.</p> <p>Baseline Change Proposals – Prepare BCP documentation to make necessary corrections to the FY 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; and ✍ Respond and supply information to DOE for Lessons Learned, surveillance and audits, Core Team support, Site-Specific Advisory Board support, and other DOE reporting mechanisms. <p>Maintain the monthly subproject estimates and estimates at completion.</p> <p>04.01.01.11.02 Phase I Characterization</p> <p>The Burial Grounds Operable Unit (WAGs 14 and 24) activities include the development of the D0 Scoping Document involving data review, core team presentations and development of data packages.</p> <p>04.01.01.11.03 Phase I Decision Documents</p> <p>Develop alternatives following compilation of data for WAGs 3 (SWMUs 4 and 6), 14, 24, and 22 (SWMUs 2 and 3). The Burial Grounds Operable Unit activities include the submittal of the D1 Feasibility Study (FS) to the regulators followed by receipt of comments and submittal of a D2 FS for regulatory approval. The Proposed Plan (PP) and the Record of Decision (ROD), will be internally reviewed with the D1 documents being submitted for regulatory review followed by receipt of comments and submittal of D2 documents. The D2 ROD will be submitted to the regulators. The public hearing will follow.</p> <p>The D1 BGOU PP and RDWP will be issued to the regulatory agencies for review. The D0 Remedial Design (RD) Report will be issued to DOE for review.</p> <p>04.01.01.11.04 Phase I Design</p>		

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<p>The D2 RD Report, D1 RA Work Plan, and the D1 Construction Assurance Plan will be submitted for regulatory review and approval.</p> <p>04.01.01.11.05 Phase I Action Implementation</p> <p>RA mobilization will occur in the operation and Maintenance (O&M) Plan, as well as post construction reports will be written and submitted for DOE and regulatory review concerning all WAG's encompassed in the BGOU.</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>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 a subproject begins, several activities must 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. The routine activities in RA are conducted in accordance with standard operating procedures, activity hazard analyses, and Integrated Safety Management plans. Non-routine work will require a readiness assessment as necessary to ensure complete health, safety, and environmental reviews prior to work start. This assessment is 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/OR-87, Revision 2. Site Management Plan, November 1999. Other Regulatory –related requirements: CERCLA, RCRA, DOE Orders, State "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>WASTE VOLUMES:</p> <p>Please see attached waste performance metrics, as applicable.</p>		

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<p>RELEASE SITES:</p> <p>Please see attached RAIMS Report, as applicable.</p> <p>PROJECT SCHEDULE:</p> <p>Reference attached Schedule</p> <p>BASELINE BY YEAR:</p> <p>Please see attached Baseline by Year Report.</p>		