

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

<b>1. PROJECT TITLE/PARTICIPANT</b> Environmental Management/Bechtel Jacobs Company LLC		<b>2. DATE</b> 10/01/02	<b>3. IDENTIFICATION NUMBER</b> DE-AC05-98OR22700									
<b>4. WBS ELEMENT CODE</b> 04.01.01.23		<b>5. WBS ELEMENT TITLE</b> PAD Lasagna										
<b>6. INDEX LINE NO.</b> N/A	<b>7. REVISION NO. AND AUTHORIZATION</b> Rev 1		<b>8. DATE</b> 01/23/03									
<b>9. APPROVED CHANGES</b> N/A												
<b>10. SYSTEM DESIGN DESCRIPTION</b> N/A		<b>11. BUDGET AND REPORTING NUMBER</b> N/A										
<b>12. ELEMENT TASK DESCRIPTION</b>												
<p>WBS GRAPHIC</p> <p style="padding-left: 40px;">See attached.</p> <p>INTRODUCTION</p> <p>The objective of this subproject is to remediate SWMU 91 using the Lasagna Technology as described in the SWMU 91 ROD. The subject SWMU has been fully characterized. TCE is the only contaminant of concern. Two pilot demonstrations and a Feasibility Evaluation led to the decision to remediate the SWMU using the Lasagna Technology. A Remedial Design and O&amp;M Plan were developed based on information from the pilot demonstrations. System construction was completed in December 1999 and operations ran until December 2001. Baseline soil sampling was conducted prior to system operation. Soil sampling occurred twice during operations to measure progress, and verification sampling occurred in May 2002 to assure the cleanup goal was met. A draft Remedial Action (RA) Report was issued to the regulators for review and approval in September 2002. Major documents to be developed will be a Final RA Report, based on any regulatory comments, and subcontract closeout.</p> <p>LOGIC RELATIONSHIPS</p> <p>Any long term monitoring requirements of groundwater beneath the SWMU and final disposition of waste will be part of Long Term S&amp;M.</p> <p>SCOPE DESCRIPTION</p> <p style="padding-left: 40px;">Release Sites and Facilities</p> <p style="padding-left: 80px;">Actions to be completed</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Raims</u></th> <th style="text-align: left;"><u>SWMU</u></th> <th style="text-align: left;"><u>Description</u></th> </tr> <tr> <th style="text-align: left;"><u>No.</u></th> <th style="text-align: left;"><u>No.</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>1885</td> <td>91</td> <td>UF6 Cylinder Drop Test Area</td> </tr> </tbody> </table> <p style="padding-left: 40px;">Past Accomplishments</p> <p>FY 1998</p> <p>? EPA and KDWM signed Record of Decision for full-scale implementation of Lasagna technology at SWMU 91 on August 10, 1998.</p> <p>FY 1999</p> <p>? Bechtel Jacobs awarded subcontract _____ to CDM Federal Programs to construct, operate and maintain the full-scale Lasagna system in February 1999.</p>				<u>Raims</u>	<u>SWMU</u>	<u>Description</u>	<u>No.</u>	<u>No.</u>		1885	91	UF6 Cylinder Drop Test Area
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04.01.01.23	PAD Lasagna	
<p>? Completed 50% of the construction phase of the remedial action on September 30, 1999.</p> <p>FY 2000</p> <p>? Completed 100% of the construction phase of the remedial action on December 21, 1999.</p> <p>? Supporting documentation, such as the Operations and Maintenance plan and Post Construction Report, were prepared, transmitted for review and approved.</p> <p>? Completed the baseline sampling event prior to system startup in November 1999.</p> <p>? Began system operations on December 30, 1999, for 9 months.</p> <p>? Conducted Interim sampling event A in August 2000.</p> <p>FY 2001</p> <p>? Continued system operations for 12 months.</p> <p>? Transmit Interim Progress Report A in January 2001.</p> <p>? Conduct interim sampling event B in May 2001.</p> <p>FY 2002</p> <p>? Continued system operations for 3 months.</p> <p>? Transmitted Interim Progress Report B in November 2001.</p> <p>? Shut down system on December 30, 2001.</p> <p>? Conducted verification sampling event in May 2002.</p> <p>? Demobilized from the site in August 2002.</p> <p>? Transmitted a draft (D1) Remedial Action Report to regulatory agencies for review and comment in September 2002.</p> <p style="text-align: center;">Future Accomplishments</p> <p>? Transmit a final (D2) Remedial Action Report to regulatory agencies for approval in November 2002.</p> <p>? Close out subcontract with CDM Federal Programs.</p>		
<b>Scope</b>		
Technical Management and Integration		
<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, Safety Advocate, Project Controls and other BJC personnel who will perform programmatic activities, project scheduling and estimating. Other Bechtel Jacobs Company/M &amp; I support will be carried under individual WBS elements.</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"> <li>- Ensure completion of all activities within the subproject is in compliance with the principals of Integrated Safety Management</li> <li>- Maintain contact and open communications with the appropriate DOE Project Manager on the subproject activities</li> <li>- Participate in biweekly technical information and monthly Project Status Review meetings to provide the DOE with project status summaries</li> <li>- Manage the subcontracts and work authorizations issued to complete the work under the subproject</li> <li>- Respond and supply information to DOE for Lessons Learned, surveillance and audits, Site-Specific Advisory Board support, and other DOE reporting mechanisms.</li> <li>- Maintain the monthly subproject estimates and estimates at completion.</li> </ul>		

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<p>Final Remediation Report</p> <p>Based on the comments from regulatory agencies on the D1 Draft Remedial Action Report, prepare a D2 Final Remedial Action Report for review and approval by regulatory agencies.</p> <p><b>REQUIREMENTS/DRIVERS</b></p> <p>Bechtel Jacobs Company LLC Contract DE-AC05-98OR22700, December 18, 1997  Paducah Federal Facilities Agreement effective February 13, 1998  Lasagna Record of Decision, August 10, 1998  Integrated Safety Management System Description, BJC/OR-87, Revision 2, September 1999  Site Management Plan for PGDP, FY 2001 Annual Revision, November 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>/<u>N</u> UMTRCA: <u>Y</u>/<u>N</u> State:  <u>Y</u>/N Other: <u>Y</u>/<u>N</u></p> <p><b>WASTE VOLUMES</b>  Please see attached waste performance metrics, as applicable.</p> <p><b>PROJECT SCHEDULE</b>  Please see attached project summary schedule, and Milestone Status Summary Report.</p> <p><b>EXECUTION YEAR BASELINE</b>  Please see attached Budgeted Cost of Work Scheduled Plan.</p> <p><b>BASELINE BY YEAR</b>  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>		