



**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 01/30/2003	3. IDENTIFICATION NUMBER DE-AC05-98OR22700
4. WBS ELEMENT CODE 1.12.05.03.02.02		5. WBS ELEMENT TITLE PORTS TSCA-LLW Waste	
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 During the Cold War, the Portsmouth Gaseous Diffusion Plant (PORTS) was constructed to enrich uranium in support of both government and private sector programs. The plant is currently in Cold Standby under a lease agreement with the United States Enrichment Corporation (USEC) which produced Low Enriched Uranium for commercial applications. Waste Management will be managing "legacy waste" (generated prior to FY03) streams for characterization, treatment, storage, and disposal in compliance with DOE Orders. In addition as a result of environmental releases from past production activities, and environmental restoration projects conducted by the Portsmouth Remedial Action Project in the period between FY94-FY99, these waste streams were received for characterization, treatment, storage, and disposal by Waste Management. All of these activities are accomplished in compliance with the Portsmouth TSCA-LLW Federal Facilities Compliance Agreement. This LCB will accomplish the treatment, storage, and disposal of legacy TSCA-LLW in accordance with regulatory requirements. LOGIC RELATIONSHIPS This subproject only contains intra-subproject ties between activities and does not have any predecessor or successor relationships with other level six WBS elements or national windows or other regulatory milestones. SCOPE DESCRIPTION PERFORMANCE METRICS/INDICATORS Dispose 1,238 Cuft by 09/30/2003 PAST AND FUTURE ACCOMPLISHMENTS PAST ACCOMPLISHMENT PRIOR TO FY 2003: Completed Characterization of two TSCA low-level waste subpopulations (FY01) Completed disposition of P-101 X-333 Debris TSCA low-level waste subpopulation (FY01) Completed disposition of P-101 X-330 Debris TSCA low-level waste subpopulation (FY01) Completed disposition of P-450 Floor Sweepings TSCA low-level waste subpopulation (FY01) Completed characterization of three TSCA low-level waste streams (FY02) Completed disposition of three TSCA low-level waste streams (FY02) FUTURE ACCOMPLISHMENTS CHARACTERIZATION Characterize (14) Streams FY04 Characterize (11) Streams FY05 TREATMENT			



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<p>12. ELEMENT TASK DESCRIPTION (Continued)</p> <p>Treatment of (6) Waste Streams (Containers(34) Cuft(343.15) FY04 Treatment of (6) Waste Streams (Containers(285) Cuft(1,551.70) FY05</p> <p>DISPOSAL Disposal of (1) Waste Streams (Containers(94) Cuft(1,237.88) FY03 Disposal of (15) Waste Streams (Containers(587) Cuft(4,552.16) FY04 Disposal of (16) Waste Streams (Containers(7,535) Cuft(67,615.97) FY05</p> <p>SCOPE</p> <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>FY 2003 - 2006 Scope (Inventory of Streams, Containers and Volumes attached to end of Scope information)</p> <p>05.03.02.02.01 TLLW Waste Treatment</p> <p>P-106 Oil -. Ship to the ETPP TSCA Incinerator P-107 Filter Water - Ship to the ETPP TSCA Incinerator P-109D Containerized PCB Transformers - Ship to an off-site facility for destruction of PCBs and recovery of metals P-110 Samples - This waste will be shipped to an off-site facility for processing, repackaged into intermodal containers with absorbent material and shipped via rail to a commercial disposal facility. P-112 Cabling - Inspect, add absorbent, and ship to a commercial disposal facility P-750 Organic Sludges - Ship to the ETPP TSCA Incinerator P-102 Mineral Oil - Ship to the ETPP TSCA Incinerator P-104 Mineral Oil - Ship to the ETPP TSCA Incinerator P-109 PCB Equipment - Ship to an off-site facility for destruction of PCBs and recovery of metals P-109A Uncontainerized PCB Transformers - Ship to an off-site facility for destruction of PCBs and recovery of metals. P-109B Containerized PCB Capacitors - Ship to an off-site facility for destruction of PCBs and recovery of metals. P-110A Liquid Samples - Ship to the ETPP TSCA Incinerator</p> <p>05.03.02.02.03 TLLW Waste Disposal</p> <p>P-101B Debris - Blend material and ship to a commercial facility P-103 Filter Room Sludge - This waste will be shipped to an off-site facility for processing, repackaged into intermodal</p>			



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<p>12. ELEMENT TASK DESCRIPTION (Continued)</p> <p>containers with absorbent material and shipped via rail to a commercial disposal facility.</p> <p>P-111 Empty PCB Drums. This waste will be inspected on-site to verify that containers are empty, material removed from non-empty containers, waste shipped to an off-site facility for crushing, and the crushed containers placed into intermodal containers with absorbent material and shipped via rail to a commercial disposal facility.</p> <p>P-710 Wood and/or Wood Products (Eg.Plywood, Lumber, Etc), Waste streams P-710 will be inspected on-site, absorbent material added, and shipped to a commercial disposal facility.</p> <p>P-109C PCB Light Fixtures (Containerized) - Inspect, add absorbent, and ship to a commercial disposal facility</p> <p>P-113 Sewage Treatment Sludge - This waste will be shipped to an off-site facility for processing, repackaged into intermodal containers with absorbent material and shipped via rail to a commercial disposal facility.</p> <p>P-400 Used Glass Products - Inspect, add absorbent, and ship to a commercial disposal facility</p> <p>P-550 Scrap Metal - Inspect, add absorbent, and ship to a commercial disposal facility</p> <p>P-600 Plastic Pipe - Inspect, add absorbent, and ship to a commercial disposal facility</p> <p>P-998 Uncategorized PCB Liquids - Ship to the ETPP TSCA Incinerator</p> <p>RD-101 Dry Active Waste - Inspect, add absorbent, and ship to a commercial disposal facility</p> <p>RD-450 Floor Sweepings - This waste will be shipped to an off-site facility for processing, repackaged into intermodal containers with absorbent material and shipped via rail to a commercial disposal facility.</p> <p>SW-2 Rags, Gloves, Wipes, Absorbent - Inspect, add absorbent, and ship to a commercial disposal facility.</p> <p>P-105 PCB materials -This waste will be shipped to an off-site facility for processing, repackaged into intermodal containers with absorbent material and shipped via rail to a commercial disposal facility.</p> <p>P-111A Overpacked Empty PCB Drums - This waste will be inspected on-site to verify that containers are empty, material removed from non-empty containers, waste shipped to an off-site facility for crushing, and the crushed containers placed into intermodal containers with absorbent material and shipped via rail to a commercial disposal facility.</p> <p>P-500 Soil, Gravel, Rocks, etc - This waste will be shipped to an off-site facility for processing, repackaged into intermodal containers with absorbent material and shipped via rail to a commercial disposal facility.</p> <p>P-520 Masonry Debris - This waste will be shipped to an off-site facility for processing, repackaged into intermodal containers with absorbent material and shipped via rail to a commercial disposal facility.</p> <p>P-999 Uncategorized PCB Solids - Inspect, add absorbent, and ship to a commercial disposal facility</p> <p>05.03.02.02.07 TLLW Waste Characterization</p> <p>P-111 Empty PCB Drums - Collection of approximately twenty drums of sludge is expected during inspection prior to shipment. All twenty will require radiological, physical, and chemical analysis.</p> <p>P-710 Wood and/or Wood Products (Eg.Plywood, Lumber, Etc) - eight radiological samples, three physical samples, and eight chemical samples</p> <p>P-106 Oil - One bulk sample from the three containers will be analyzed to the requirements of the ETPP TSCA Incinerator</p> <p>P-107 Filter Water - One bulk sample from the three containers will be analyzed to the requirements of the ETPP TSCA Incinerator</p> <p>P-109C Light Fixtures (Containerized) - radiological characterization</p> <p>P-109D Containerized PCB Transformers - radiological survey characterization for free release</p> <p>P-110 Samples - Review of data from the characterization projects which generated this waste, to facilitate profiling to a commercial disposal facility.</p> <p>P-112 Cabling - one radiological sample, one physical sample, and one chemical sample</p> <p>P-113 Sewage Treatment Sludge - one radiological sample, one physical sample, and one chemical sample</p> <p>P-400 Used Glass Products - eight radiological samples, three physical samples, and eight chemical samples</p> <p>P-550 Scrap Metal - radiological survey characterization and PCB swipes to facilitate disposal</p> <p>P-600 Plastic Pipe - twenty-nine radiological samples, three physical samples, and eight chemical samples</p>			



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<p>12. ELEMENT TASK DESCRIPTION (Continued)</p> <p>P-750 Organic Sludges - One bulk sample will be analyzed to the requirements of the ETTP TSCA Incinerator P-998 Uncategorized PCB Liquids - One bulk sample will be analyzed to the requirements of the ETTP TSCA Incinerator RD-101 Dry Active Waste - one radiological sample, one physical sample, and one chemical sample RD-450 Floor Sweepings - one radiological sample, one physical sample, and one chemical sample P-105 PCB materials - twenty-nine radiological samples, three physical samples, and eight chemical samples P-109 PCB Equipment - radiological survey characterization for free release P-109B Containerized PCB Capacitors - radiological survey characterization for free release P-110A Liquid Samples - One bulk sample from the three containers will be analyzed to the requirements of the ETTP TSCA Incinerator P-111A Overpacked Empty PCB Drums - Collection of approximately two drums of sludge is expected during inspection prior to shipment. Both will require radiological, physical, and chemical analysis. P-500 Soil, Gravel, Rocks, etc. - twenty-nine radiological samples, three physical samples, and eight chemical samples P-520 Masonry Debris - twenty-nine radiological samples, three physical samples, and eight chemical samples P-999 Uncategorized PCB Solids - twenty-nine radiological samples, three physical samples, and eight chemical samples</p> <p>All Year Project Scope</p> <p>This Project support scope is estimated and baselined under WBS 05.03.06.01. Project Planning & Support: Provide project level planning, oversight, support, project control, and reporting for all activities within this project. This includes, but is not limited to: Project Management, Subcontract Management, Health & Safety oversight, Quality oversight, Procurement support, support for the Life Cycle Baseline, other out year budget submittals, and the following reports.</p> <p>Monthly Summary Report Midyear Project Status Review Quarterly Project Status Review Quarterly Inventory Reports by 3 weeks prior to the end of the quarter Year-end Project Status Review</p> <p>Treatment: Complete special studies, waste characterizations, repackaging, transportation and treatment/disposal at approved offsite locations for all remaining TSCA-LLW which require treatment prior to disposal.</p> <p>Disposal:</p> <p>Complete waste repackaging, transportation and disposal at approved offsite locations for all remaining TSCA-LLW, which is suitable for immediate disposal without further treatment. (See Estimating Backup Notebook matrix table for container count by waste stream).</p> <p>Inventory Data of 05/16/2002</p> <table border="1"> <thead> <tr> <th>WASTE STREAM</th> <th>SUM OF CONT</th> <th>SUM OF VOL CUFT</th> <th>SUM OF WGT (KG)</th> <th>SUM OF VOL M3</th> </tr> </thead> <tbody> <tr> <td>P-103</td> <td>94</td> <td>1,237.88</td> <td>16,353.76</td> <td>35.06</td> </tr> <tr> <td>P-111</td> <td>1,833</td> <td>11,963.67</td> <td>39,578.97</td> <td>338.81</td> </tr> <tr> <td>P-710</td> <td>24</td> <td>442.23</td> <td>3,286.33</td> <td>12.52</td> </tr> <tr> <td>P-101B</td> <td>97</td> <td>9,213.44</td> <td>50,519.52</td> <td>260.92</td> </tr> </tbody> </table>					WASTE STREAM	SUM OF CONT	SUM OF VOL CUFT	SUM OF WGT (KG)	SUM OF VOL M3	P-103	94	1,237.88	16,353.76	35.06	P-111	1,833	11,963.67	39,578.97	338.81	P-710	24	442.23	3,286.33	12.52	P-101B	97	9,213.44	50,519.52	260.92
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P-102	20	133.61	3,528.99	3.78
P-106	6	37.41	482.18	1.06
P-107	1	7.35	201.40	0.21
P-109	6	16.70	189.63	0.47
P-109C	2	103.32	1,042.80	2.93
P-109D	1	95.97	596.94	2.72
P-110	19	150.98	2,114.31	4.28
P-110A	1	0.67	9.98	0.02
P-111A	266	3,390.07	18,984.93	96.01
P-112	1	7.35	33.11	0.21
P-113	1	95.97	2,067.06	2.72
P-400	28	152.32	1,932.26	4.31
P-550	223	1,632.74	22,032.75	46.24
P-600	283	2,099.72	20,815.48	59.46
P-750	6	44.09	940.31	1.25
P-998	2	14.70	310.72	0.42
RD-101	1	14.70	69.40	0.42
RD-450	11	80.83	1,212.49	2.29
SW-2	2	14.70	83.92	0.42
P-104	158	815.05	22,766.40	23.08
P-105	534	4,660.81	83,856.07	131.99
P-109A	29	22.05	42,377.14	0.62
P-109B	71	563.62	13,930.48	15.96
P-450	26	215.39	4,626.62	6.10
P-500	3,297	26,710.29	1,014,361.26	756.44
P-520	182	1,918.65	58,920.89	54.34
P-999	990	7,542.38	80,245.22	213.60
SW-3	1	7.35	89.81	0.21
TOTAL	9,132	81,204.03	1,570,433.58	2,299.70



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12. ELEMENT TASK DESCRIPTION (Continued) Bechtel Jacobs Company LLC Contract DE-AC05-98OR22700, December 18, 1997 Integrated Safety Management System Description, BJC/OR-87, Revision 1, April 1999 TSCA FFCA 40 CFR 761 Applicable DOE Orders Applicable Executive Orders As applicable, indicate other regulatory-related requirements. CERCLA: N RCRA: N DNFSB: N DOE Orders: Y AEA: Y/N UMTRCA: Y/N State: Y Other: Y PROJECT SCHEDULE Please see attached project summary schedule, project detail schedule, and Milestone Status Summary Report. EXECUTION YEAR BASELINE Please see attached Budgeted Cost of Work Scheduled Plan. BASELINE BY YEAR Please see attached Baseline by Year Report.			