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** 10/23/02	**3. IDENTIFICATION NUMBER** DE-AC05-98OR22700
4. WBS ELEMENT CODE 04.03.12.01	**5. WBS ELEMENT TITLE** Paducah Newly Generated Waste	
6. INDEX LINE NO. N/A	**7. REVISION NO. AND AUTHORIZATION** Rev. 2	**8. DATE** 01/23/03
9/. APPROVED CHANGES N/A		
10. SYSTEM DESIGN DESCRIPTION N/A	**11. BUDGET AND REPORTING NUMBER** N/A	

12. ELEMENT TASK DESCRIPTION

WBS GRAPHIC

See Attached

INTRODUCTION

Newly Generated Waste WBS: 04.03.12.01.02

? To provide project management, task and baseline planning, project controls, oversight of subcontractors, and technical support for the generation, characterization and disposition of Paducah Waste Disposition Project's newly generated waste.

? To manage the generation, packaging, sampling, characterization and disposition of newly generated LLW and MLLW that is generated from Waste Disposition Project tasks and USEC generated DOE legacy waste.

DOE Primes WBS: 04.03.12.01.04

? To provide funding for disposal of wastes using DOE Primes Contracts.

ACRONYMS

BJC Bechtel Jacobs Company LLC
BCP Baseline Change Proposal
DOE United States Department of Energy
DOT United States Department of Transportation
EA Environmental Assessment
FFCA Federal Facilities Compliance Agreement
FONSI Findings of No Significance Impacts
FY Fiscal Year
HP Health Physics
ISMS Integrated Safety Management System
LCB Lifecycle Baseline
LLW Low Level Waste
MLLW Mixed Low Level Waste
NCS Nuclear Criticality Safety
NCSE Nuclear Criticality Safety Evaluation
NEPA National Environmental Policy Act
NTS Nevada Test Site
ORO Oak Ridge Operations
PACE Paper, Allied Industrial, Chemical and Energy Worker International Union
PCB Polychlorinated Biphenyl
PPE Personnel Protective Equipment
RAD Radioactive

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REA Request for Equitable Adjustment
RCRA Resource Conservation Recovery Act
SMO Sample Management Office
TSCA Toxic Substance Control Act
USEC United States Enrichment Corporation
USQ Unreviewed Safety Question
WBS Work Breakdown Structure
WCS Waste Control Specialists

LOGIC RELATIONSHIPS

Newly generated waste is defined as LLW and MLLW that were generated in the previous FY.

SCOPE DESCRIPTION

Release Sites and Facilities

Assessments to be completed
NA

Actions to be completed
NA

Past and Future Accomplishments

Past Accomplishments
? Packaged, characterized and treated/disposed of newly generated MLLW. This includes both RCRA and PCB mixed waste. Waste streams included PCB spill cleanup debris, laboratory waste, light bulbs, batteries, PPE, circuit boards, and etc.
? Packaged, characterized, and disposed of newly generated LLW. LLW included PPE, spill cleanup debris, and etc.
? Shipped newly generated light bulbs and fuses to Envirocare and WCS.

Future Accomplishments
? Package, characterize and treat/dispose of newly generated MLLW. This includes both RCRA and PCB mixed waste. Waste streams include PCB spill cleanup debris, laboratory waste, light bulbs, batteries, PPE, circuit boards and etc.
? Package, characterize and dispose of newly generated LLW. LLW includes PPE, spill cleanup debris, and etc.

Scope (FY 2003 scope through complete)

Newly Generated Waste WBS: 04.03.12.01.02.01
? Provide project integration including task management, project control, baseline planning and BCPs.
? Package and characterize newly generated LLW for disposal at either NTS or Envirocare.
? Package and characterize newly generated MLLW for either Broad Spectrum contractors or Envirocare for the treatment of RCRA/RAD or Envirocare/NTS for the disposal of PCB/RAD waste.
? Prepare waste profile for approval by off-site disposition facilities.
? Verify and certify waste.
? Prepare waste containers for shipment.
? Perform off-site shipment management review prior to shipment of waste.
? Prepare necessary DOT paperwork.
? Procure transportation vehicle.

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? Survey, load containers on transportation vehicle and ship LLW and MLLW.
? Provide oversight of the Waste Operations Subcontractor and other BJC Subcontractors.
? Provide interface with treatment and disposal facilities in contracting services.
? Provide technical support to new generated waste activities.
? Characterize, profile, and ship 20 m^3 of newly generated mixed-waste, to appropriate treatment and disposal facilities (FY02 Carry over).

Newly Generated Waste LLW WBS: 04.03.12.01.02.02
? Scope shall include all activities associated with shipment of 58 cubic meters of newly generated low level waste to NTS. The shipment shall include 24 boxes generated from the Tc-99 tank dismantlement project (FY02 Carry over).

DOE Primes 04.03.12.01.04
? Provide funding for disposal of wastes using DOE Prime Contracts.

Safety and Health Work Performance

Introduction to the section

It is the core value of BJC 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 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, HP, and environmental issues. ISMS requirements flow-down to BJC 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.

Before a subproject begins, several activities must be completed that demonstrate 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 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.

REQUIREMENTS/DRIVERS

BJC Contract DE-AC05-98OR22700, December 18, 1997
ISMS Description, BJC/OR-87, Revision 1, April 1999
Paducah Waste Operations Subcontract 23900-BA-RM005F
Paducah Site Treatment Plan
Paducah Hazardous Waste Permit
Uranium Enrichment TSCA FFCA
DOE Order 435.1
"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"
Safety Analysis Report KY/EM-174, January 1997

As applicable, indicate other regulatory-related requirements

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CERCLA: N RCRA: Y DNFSB: N DOE Order: Y AEA: N UMTRCA: N State: Y OTHER: N

WASTE VOLUMES

Please see attached waste performance metrics, as applicable. The waste quantities supporting the method of accomplishment and basis of estimate are consistent with data reported on the Waste Performance Metrics Form.

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.