

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT 5.1 PADUCAH

**FUNDING RESTRICTIONS, PBS NARRATIVES, WORK BREAKDOWN
STRUCTURE (WBS)**

**SECTION J- LIST OF DOCUMENTS, EXHIBITS AND OTHER
ATTACHMENTS**

PADUCAH –FUNDING RESTRICTIONS:

FUNDING RESTRICTIONS

The funding restrictions are as follows:

Paducah Funding Restrictions by PBS (\$M)

PBS	*FY04	FY05	FY06	FY07	FY08	FY09
PA-0020	\$0.03	\$0.2	\$0.2	\$0.3	\$0.3	\$0.3
PA-0011	\$0.37	\$3.6	\$2.4	\$2.5	\$2.5	\$2.6
PA-0013	\$2.5	\$17.7	\$20.0	\$26.9	\$17.0	\$25.6
PA-0040	\$6.1	\$45.5	\$44.4	\$42.3	\$53.2	\$60.5

This table represents anticipated funding and does not reflect the Government's Estimate or Baseline. The contractor shall use the funding restrictions for estimating purposes.

The PBS narrative identifies the type of activities that can be performed for each type of funding. Activities shall be performed in accordance with the SOW and within the funding restrictions set forth for each PBS in the table above. Funding can be shifted between PO-0013 and PO-0040, if requested by the contractor and approved by DOE.

PBS NARRATIVES:

PA-0020 – Safeguards and Security

Description: This project provides Visitor Control, Classification, Personnel Security, Physical Security (locks/alarms, access control), Information Security, COMSEC, Nuclear Materials Control and Accountability (NMC&A), Operations Security (OPSEC), Technical Surveillance Countermeasures (TSCM), Safeguards and Security Awareness Program, foreign national visits/assignments, security management control system, classified computer security, and performs security investigations of incidents and infractions (many of which involved legacy issues with the D&D and DMSA projects) for the Department of Energy and its contractors at the Paducah Gaseous Diffusion Plant. The current security situation requires an enhanced level of protection and the duration of this requirement is unknown. Protective Force personnel are employed on various fixed and mobile posts to perform normal and emergency security tasks. Classification and OPSEC reviews all documents released to the public including Freedom of Information Act and Privacy Act requests, litigation responses, ongoing environmental health investigations, and classified/declassified documents. Oversight and management of

NMC&A activities is provided. Personnel Security provides badging support for all employees, contractors, and visitors, and Visitor Control.

PA-0011 – NM Stabilization and Disposition – Paducah Cylinder Management

Description: This project performs surveillance and maintenance of fifteen inactive facilities, manages uranium hexafluoride (UF₆) cylinders, support for report to Congress on ES&H, and manages legacy polychlorinated biphenyl (PCB) contamination. The surveillance and maintenance of inactive facilities prevents significant deterioration of the buildings and/or support systems until the D&D is completed in FY 2010. The surveillance and maintenance of inactive facilities avoids exposure to unsafe conditions for personnel requiring access for annual compliance inspections, housekeeping assessments, corrective maintenance, fire protection, security, and/or emergency response. Management of the UF₆ cylinders will continue until October 2006 when it will be turned over to the DUF₆ operator. Safe storage of the UF₆ cylinders is maintained by a cylinder inspection program to record and monitor physical conditions and defects of the cylinders, a radiological monitoring program, restacking and relocating cylinders to improve cylinder storage conditions, preventative and corrective maintenance on the cylinders, cylinder yards, and cylinder handling equipment, and configuration control of the cylinder inventory. In order to manage the legacy PCB contamination in compliance with applicable laws, regulations, and DOE orders, inspections of transformers, checks of spill sites, inspection, repair, and maintenance of troughs and collection systems, cleanup of spills, sampling and analysis of spills and equipment, and compliance related reporting and documentation are performed.

PA-0013 – Solid Waste Stabilization and Disposition

Description: This project stores, treats, and disposes of all legacy waste at the Paducah Gaseous Diffusion Plant in accordance with applicable laws and regulations. The primary waste streams are low level, mixed low level, hazardous, transuranic, Toxic Substances Control Act, and sanitary wastes. The waste streams have been ranked for treatment and disposal using a risk-based prioritization system. Disposal of the legacy waste is critical to mortgage reduction and accelerating the cleanup of the Paducah Gaseous Diffusion Plan.

PA-0040 – Nuclear Facility D&D – Paducah

Description: This project accelerates significant risk reduction through focused response actions and performs surveillance and maintenance activities at the Paducah Gaseous Diffusion Plant. The original cleanup plan included in the 1998 Federal Facility Agreement (FFA) completed remediation in FY 2010 at an estimated cost ~ \$620M. Subsequent to approval of the FFA, the regulatory agencies began to participate in the annual review/revision of the cleanup plan. These reviews resulted in recommendations from the regulatory agencies leading to scope growth four times that in the FFA, with projected completion date of FY 2023 and an estimated cost of ~ \$2.4B. The proposed cleanup plan accelerates cleanup of high-risk areas from the original FFA commitment of

FY 2010 to FY 2006, while reducing overall costs. Accelerated cleanup and reduced cost will be accomplished by focusing on source areas that pose a real risk, demonstrating a bias for action by expediting the decision-making process, replacing conservative requirements with commercial standards, and implementing innovative contracting approaches. Removal actions will address contaminated soil in lieu of lengthy and expensive remedial actions. Burial grounds will be capped and monitored to ensure protectiveness, avoiding the need to excavate. Groundwater protectiveness will be achieved through a combination of institutional controls, removal of significant sources of trichloroethylene at C-400 and enhances monitoring. By addressing significant contaminant sources, the need for surface water remedial actions is eliminated. Accelerated decommissioning of surplus facilities will significantly reduce mortgage costs. Once cleanup of the high-risk areas has been completed, monitoring will assess site conditions and the effectiveness of the cleanup until gaseous diffusion operations cease. At the time a final decision will be made for the gaseous diffusion plant and the residual risk that remains. Surveillance and maintenance maintains contaminated sites and facilities in a safe and compliant state prior to cleanup and maintains protectiveness following cleanup.

PA-0102 – Paducah Contract/Post-Closure Liabilities/Administration

Description: This project supports a contractual liability for the post-retirement life and medical (PRL&M) benefits for the Lockheed Martin Energy Systems (LMES) and Lockheed Martin Utility Services (LMUS) employees, funding for annual D&D Fund audit, and litigation expenses at the Paducah Gaseous Diffusion Plant. DOE is responsible for the lifecycle PRL&M benefits for LMES and LMUS retirees, disabled, and beneficiaries up to the date of privatization of the United States Enrichment Corporation (July 28, 1998). On-going, long-term obligations and central programs including post retirement medical benefits and long term disability for grandfathered employees, and legacy documents and litigation of Justice investigations/studies, pending litigation, Freedom of Information Act requests, and information requests from both State and Federal regulatory and elected officials are performed.

PA-0103 – Paducah Community and Regulatory Support

Description: This project supports the Agreement-in-Principle grant to the Commonwealth of Kentucky to provide independent oversight of the environmental programs at the Paducah Gaseous Diffusion Plant. This project also provides support of the Citizens Advisory Board (chartered as an EM site Specific Advisory Board).

1.0 COST BREAKOUT WBS PADUCAH

REMEDIATION			FY04	FY05	FY06	FY07	FY08	FY09	TOTAL
.1		GROUNDWATER ENVIRONMENTAL MANAGEMENT							
	.1	Source control							
	.2	Plume Containment							
	.3	Groundwater Site Assessments							
.2		MATERIAL DISPOSITION							
	.1	Scrap Metal							
	.2	DMSAs							
	.3	Waste Disposition and Waste Facility Operations							
.3		FACILITIES DISPOSITION							
	.1	D&D of C-410/420 Complex							
	.2	Inactive Facilities							
	.3	S&M of the C-340 Complex							
.4		SOILS							
	.1	Onsite Soil Remediation - North/South Diversion Ditch, Sec. 1&2							
	.2	Offsite Soil Remediation - North/South Diversion Ditch, Sec. 3,4 & 5							
	.3	Sediment Controls							
.5		DUF6 CYLINDER MANAGEMENT							
	.1	S&M and transition of Cylinders							

1.0 COST BREAKOUT WBS PADUCAH

REMEDATION			FY04	FY05	FY06	FY07	FY08	FY09	TOTAL
.6		ONSITE DISPOSAL CELL PLANNING							
	.1	Planning through CERCLA process for a Disposal Cell							
.7		PCB ACTIVITIES							
	.1	Management and Operation of PCB collection thru disposition							
.8		ENVIRONMENTAL MONITORING AND RPTNG							
	.1	Management and Operations of air, soil and water monitoring							
.9		PROJECT SUPPORT							
	.1	Project Management							
	.2	ISMS							
	.3	ES&H							
	.4	Administration							
	.5	Transportation							
	.6	Records Management							
	.7	Safeguards and Security							

Further detailed breakout is at offeror's discretion.