



EDi No. 252.009



21. DOE Small Sites, Separation Process Research Unit (SPRU) Staff Augmentation

22. Year Completed Professional Service:

Year Completed (if applicable) Construction:

2425 River Road Niskayuna, New York 12309-7100

02.28.2010

n/a

Contract Role: [X] Prime Contractor [] Subcontractor

CAGE Code: ID1U3

DUNS Number: 61.680.5073

23 a. Project Owner/Customer:

23 b. Point of Contact Name:

23 c. POC Contact Info.:

U.S. Department of Energy EM Consolidated Business Center 250 E. 5th Street, Suite #500 Cincinnati, OH 45202

Davis Hess Lead Contracting Officer

513.264.0593, voice 513.246.0529, fax david.hess@emcbc.doe.gov

Key Personnel:

Michael C. Marable, Vice President Operations EDi/Oak Ridge Office mmarable@edi-nm.com (865) 492-7789
Leslie Martinez, Executive Vice President EDi/Santa Fe Office lmartinez@edi-nm.com (505) 577-5853

24. (Include scope, size, and cost) Brief Description of Project and Relevance to this Contract:

Awarded Price: \$324,913.00 Final/Projected Cost: \$324,913.00

Award Date: 02.01.2008 Contract No.: DE-AT30-08CC60030

Period of Performance: 08.01.2009 thru 07.31.2012 Final or Projected Schedule: 02.28.2010

Contract Type: [] Firm Fixed Price [] Cost Reimbursement [X] Time and Materials [] Cost Plus Fixed Fee [] Cost Plus Award Fee [] Performance Based

Type of Work Performed: 541620, Environmental Consulting & Remediation Services

% of Work Self Performed: 51% master contract % of Work as Subcontractor: 49% master contract

Notes: This contract was completed ahead of schedule due to rapid staffing level increases across the Master Contract individual DOE sites and EDi achieved contractual ceiling. EDi received a very positive performance rating for all facilities serviced.

Contracting Officer (if applicable):

Contracting Agency & Address:

Contracting Officer Contact Info.:

Barry M. Page

U.S. Department of Energy EM Consolidated Business Center 250 E. 5th Street, Suite #500 Cincinnati, OH 45202

513.246.0547, voice 513.246.0529, fax barry.page@emcbc.doe.gov

Technical Representative (if applicable):

Tech Rep. Agency & Address:

Tech Rep. Contact Info.:

Steven Feinberg DOE Federal Project Director

U.S. Department of Energy SPRU Project Office 2425 River Road Niskayuna, NY 12309

518.395.4580, voice steve.feinberg@spru.doe.gov

Background

The U.S. Department of Energy (DOE) awarded a \$3.8 million contract to Albuquerque, N.M.-based Environmental Dimensions, inc. (EDi) for administrative and technical support services at ten distinct DOE cleanup sites over 30 months. The contract was awarded December 20, 2007, as a small disadvantaged business set-aside, as a fixed-rate, labor-hour, time-and-material master contract with individual work orders issued there under for individual sites. Services provided by EDi included training coordination

and support; environmental management technical support services; surveys of work places and work processes; technical and management support and expert consultation in the management of radioactive waste and regulatory strategies; development and evaluation of safety programs; cost estimating; and integration and execution of the Environmental Impact Statement (EIS) and decommissioning plan preparation effort.

Separations Process Research Unit

The Separations Process Research Unit (SPRU) is an inactive Atomic Energy Commission (AEC) facility that supported the Manhattan Project in the early 1950's. The SPRU was a chemical processing pilot plant used to test and prove the process of separating plutonium for irradiated fuel. The operation of the facilities contaminated the nuclear facilities, auxiliary structures used to manage waste, surrounding land, and groundwater in the immediate vicinity of the nuclear facilities.

The SPRU facilities were built between 1947 and 1949 at the Knolls Atomic Power Laboratory (KAPL), and were operated for the government by General Electric for approximately three years. The SPRU mission was to research the chemical process to extract plutonium from irradiated materials. The SPRU facilities were shut down in 1953, the equipment flushed and drained, and bulk wastes were removed. Some residual materials are present in the former SPRU facilities, especially in the tanks, with lesser amounts in buildings H2 and G2, and the interconnecting pipe tunnels.

Once decontamination and demolition is complete, the incidental remaining land will be chemically and radiologically cleaned, restored, and returned to KAPL for continued unrestricted mission use. No long-term stewardship of the cleaned land areas after building demolition is anticipated. Focus of the strategic initiatives to accelerate completion of the SPRU includes the initiation of the radiological characterization of land and the second phase of chemical characterization of the land including groundwater characterization.

Scope of Work

EDi provided professional personnel with expertise in nuclear safety, natural phenomena hazard analysis, hazard analysis, accident analysis and fire protection engineering to DOE at the SPRU Site. Specific tasks included the following activities:

- ❑ Reviewed and updated the SPRU Project Nuclear Facility Historical Site Assessment
- ❑ Evaluated the nuclear facility contractor's Fire Protection Program along with providing a written assessment of the program to ensure compliance with DOE Orders and laws that were written in the contractor's Scope of Work (SOW)
- ❑ Reviewed the Basis for Interim Operations (BIO). This is the safety document that describes the hazards and controls to be put in place to allow transition of the nuclear facilities surveillance and maintenance program from the current landlord (Office of Naval Reactors) to DOE Office of Environmental Management and to describe the hazards and controls to be put in place to inspect and characterize the SPRU process systems and tank residues
- ❑ Reviewed and evaluated the nuclear facility Project Safety Basis, and developed the draft and final of the Safety Evaluation Report
- ❑ The successful development and delivery of the Final Safety Evaluation Report
- ❑ Reviewed the nuclear facility contractor's Readiness Assessment and participated on the DOE Readiness Verification evaluation team
- ❑ Participated in discussions and recommendations with DOE staff regarding issues in nuclear safety and fire protection.



The SPRU is located the campus of the Knolls Atomic Power Laboratory (KAPL) in upstate New York in the town of Niskayuna.



DOE Small Sites, SPRU Staff Augmentation (concluded)

Relevant Project Metrics:

Secured Staff Employed: 5	EDi Direct Hires (1): Richard M. Cross, Certified Safety Professional (F/T)	Navarro Research & Engineering Subcontract Hires (4): Ron Bostic, NSS III (P/T) Terry Foppe, NSS IV (P/T) Peterson, NSS IV (P/T) Robert Deschambeault, PM III (P/T)
New Hires:	0	
Defected Employees?	0	
Complaints:	0	
Benefits Transition?	Well-organized and efficient. No reported problems.	
Interaction with Transitional Staff:	HR Director reported staff interaction smooth and no reported problems.	
Avg. Recruitment Time:	n/a	
Overall Transition Process:	All employees from past contract transferred seamlessly to new contract.	
Overall Transition:	Exceeds Transition Criteria <input checked="" type="checkbox"/> Satisfactorily Meets Transition Criteria <input type="checkbox"/> Meets Transition Criteria, with Minor Problems <input type="checkbox"/> Poor Transition <input type="checkbox"/>	
Home Office Technical Support (Reach back)?	n/a	

25. Firms/Subcontractors involved with this Project:

	⁽¹⁾ Firm Name	⁽²⁾ City and State	⁽³⁾ Role
a.	Navarro Research & Engineering Jeff Salyers, Project Manager 865.220.9650, voice • 865.220.9651, fax	669 Emory Valley Road Oak Ridge, TN 34830	Subcontractor