



EDi No. 308



21. Brookhaven National Laboratory Radiological Controls Services

22. Year Completed Professional Service:

Year Completed (if applicable) Construction:

Upton, New York

2011 (extension to 2014)

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.:

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Key Personnel:

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

Awarded Price: Not to exceed \$5,000,000.00

Final/Projected Cost: \$5,000,000.00

Award Date: 6-10-2010

Contract No.: 152885

Period of Performance: 07.01.2010 – 06.30.2011

Final or Projected Schedule: 06.30.2011

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: 562910, Remediation Services/Radiological Control Services

% of Work Self Performed: 100%

% of Work as Subcontractor: 0%

Notes: n/a

Background

The BNL was established in 1947 by the Atomic Energy Commission (AEC), (predecessor to U.S. Department of Energy (DOE)). Formerly Camp Upton, a U.S. Army installation site, Brookhaven is located on 5,263-acre site on Long Island in Upton, New York, approximately 60 miles east of New York City.

Historically, the BNL was involved in the construction of accelerators and research reactors such as the Cosmotron, the High Flux Beam Reactor (HFBR) and the Brookhaven Graphite Research Reactor (BGRR). These accelerators and reactors lead the way in high-energy physics experiments and subsequent discoveries.

Today, the Brookhaven Environmental Management Completion Project addresses the cleanup of the Brookhaven National Laboratory Superfund site as well as the decontamination and decommissioning of two former research reactors: the HFBR and the BGRR.

Scope of Work

EDi supplies radiological support services, which supplement the BSARadiological Control division workforce in support of BSA's Science and Environmental management missions. In particular, EDi provides labor and staff in categories such as decontamination and decommissioning (D&D) Technicians through Senior certified Radiological Engineers who perform work in the following tasks as outlined hereafter:



Brookhaven National Laboratory, Brookhaven, NY

Radiological Control Services at BNL (concluded)

❑ Radiological Characterization

Personnel determine the location and quantity of fixed and removable surface decontamination. Direct monitoring surveys include floor, wall, above-floor level, and ceiling surfaces. Personnel determine radioactive material content in soil and other media. Other activities include gridding areas and sampling various media and systems.

❑ Decontamination of Building Surfaces and Areas

Building surfaces are decontaminated after removal of contaminated equipment and fixtures. Surfaces at BSA facilities to be decontaminated include floors, subfloors, walls, drains, sewers, and other surfaces as required. In some cases, subsurface areas, such as deep cracks in concrete walls, etc. require decontamination. Decontamination processes include, but are not limited to vacuuming, chemical cleaning, abrasive blasting, hydrolyzing, jack hammering, and digging.

❑ Decontamination of Equipment and Materials

Equipment and materials removed from contaminated buildings are decontaminated. Types of equipment decontaminated include machine tools, instruments, hood ducts, and fixtures. Equipment and materials are disassembled as required. Decontamination processes include but are not limited to vacuuming, detergent cleaning, ultrasound cleaning, abrasive blasting, hydrolyzing, and other standard decontamination methods.

❑ Radiological Controls Support

Work activities at BSA facilities require personnel skilled in health physics and waste management activities. These personnel work in areas such as radiological work support, instrument calibration, personnel monitoring, equipment release, waste characterization, radio-analytical analysis, and respiratory protection.

❑ Waste Management Support

Radiological waste generated by BSA is characterized, packaged, and shipped for storage or disposal. Standard activities include setup of waste collection areas, waste segregation, surveying, sampling, sample logging, packaging, receiving waste shipments, and shipping waste.

❑ Environmental Monitoring Support

Environmental monitoring is conducted to ensure protection of the public and the environment. Standard activities include sampling, dose modeling, air dispersion calculation, sample logging, and air/water permit work.

❑ Emergency Preparedness Support

Hazardous constituents, work conditions, and radioactive material activities require emergency preparedness support. This support includes interface with off-site/on-site emergency response organizations, conducting drills, emergency communication setup, and emergency response. In addition, many technicians (from all seven areas) are required to fill emergency response duties, including first responders and communications and are on-call during off shifts.



RAD workers suited and completely shielded from radiation exposure.

Relevant Project Metrics:

Secured Staff Employed:	22	Defected Employees?	0	Complaints:	None.
Benefits Transition?	Very Smooth				
Interaction with Transitional Staff:	Very Smooth. Labs extremely satisfied.				
Avg. Recruitment Time:	2 weeks				
Transition Process Overview:	All employees from past contract transferred seamlessly to new contract, except one, who decided take a position elsewhere; not at BNL any longer.				
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)?	None needed to date.				