



EDi No. 292



21. NASA, Goddard Space Flight Center Industrial Hygiene & Radiation Protection Services Staff Augmentation

22. Year Completed Professional Service:

Year Completed (if applicable) Construction:

8800 Greenbelt Rd., Bldg. 22, Room 070J Greenbelt, Maryland 20771

Ongoing (7.30.2012)

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.:

NASA, Godard Space Flight Center Procurement Operations Division Greenbelt, MD 20771

Patrick Hancock (COTR) & Technical Representative

301.386.5466 patrick.a.hancock@nasa.gov

Key Personnel:

Michael C. Marable, Project Manager	EDi	mmarable@edi-nm.com	865.482.7789
Leslie Martinez, Project Controls	EDi	lmartinez@edi-nm.com	505.577.5853
Stanley Waligora, CHP	EDi	swaligora@edi-nm.com	505.341.3578

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

Awarded Price: \$3,484,335

Final/Projected Cost: \$3,484,335

Award Date: 08.18.2009

Contract No.: NNG09AI10C

Period of Performance: 08.01.2009 thru 07.31.2012

Final or Projected Schedule: 07.31.2012

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

Type of Work Performed: Industrial Hygiene & Radiation Program and associated services/deliverables.

% of Work Self Performed: 60%

% of Work as Subcontractor: 40%

Contracting Officer (if applicable):

Contracting Agency & Address:

Contracting Officer Contact Info.:

Keisha S. Willingham

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Background

In August of 2009, Environmental Dimensions, inc. (EDi) was awarded a 3-year cost plus, fixed-fee contract at NASA's Goddard Space Flight Center (GSFC) for Radiation Protection Support Services and Industrial Hygiene Support Services. EDi currently employees nine (9) individuals under this contract.

Technical Scope of Work

Radiation Protection Program Management for Ionizing and Non-Ionizing Radiation

The primary objective is to keep personnel exposure as low as reasonably achievable (ALARA) by controlling, eliminating or reducing radiation exposure(s) of site personnel to ionizing and non-ionizing radiation. EDi accomplishes this objective by implementing and managing the National Aeronautics & Space Administration (NASA) Radiation Protection Program and other applicable federal guidelines, including those issued by the Nuclear Regulatory Commission (NRC). Utilizing these foundation documents EDi established and



Shawn Healy, Project Health Physicist

21.NASA-GSFC, Industrial Hygiene & Radiation Protection Support Services (continued)

monitors personal action levels to control exposures. EDi works very closely with NASA and other Federal government scientists and engineers who conduct experiments using the facilities ionizing radioactive sources. EDi understands the goals of this program and assists with the safe handling of the radioactive sources.

Under this program, EDi manages and maintains records for two broad-scope NRC radioactive materials licenses at the GSFC. The first NRC license is a broad-scope byproduct material license covering approximately 350 ionized radiation sources used for space flight experimental studies and detector development at 25 NASA laboratories across the United States. EDi manages and maintains the radioactive sources that are inventoried and leak tested semi-annually. Detailed records are maintained in accordance with the NRC license requirements, NASA’s quality assurance (QA) procedures, as well as EDi’s internal policies and procedures.

The second NRC license is a source-specific license for two Cobalt-60 irradiators used at GSFC. One source is approximately 10,000 curies and the other is approximately 3,000 curies. The license terms support up to 40,000 curies CO-60 irradiator. At this time there are no plans to expand this portion of the facility. Irradiators are maintained and used solely at the Radiation Effects Laboratory at GSFC. EDi employees perform routine surveillance of the irradiators and serve as primary points of contact for internal and external program license audits (such as NRC). EDi employees are responsible for maintaining records including equipment and source inventory, exposure records, and manifests for any transportation of the sources.

EDi also manages and maintains over 300 records for lasers and electromagnetic (non-ionizing) radiation sources at GSFC. The Senior. Laser Safety Officer at GSFC and immediate support staff are all EDi employees. EDi staff also provides radiation safety support to the Wallops Island Flight Facility (located on Virginia’s eastern shore) as well as other satellite GSFC sites.

EDi is responsible for submitting monthly, quarterly and annual reporting for all ionizing and non-ionizing radiation sources including personnel exposure records and inventories through the Radiation Protection Program to the Technical Area Manager and the Contract Technical Representative at GSFC.

Industrial Hygiene (IH) Support

The primary objective of this aspect of the contract is to maintain a safe working environment for all employees and visitors. This is primarily accomplished by managing and implementing the Site-Wide Comprehensive Industrial Hygiene Program at GSFC. EDi has six (6) Industrial Hygiene Professionals who continually review all occupational health-related documents and programs conducted at the site. They recommend improvements to existing policies and procedures in the IH Program and provide training to the scientists and engineers working in the facility. EDi staff actively work and coordinate “lessons learned results” with other IH staff from other NASA facilities in an effort to enhance and improve the IH program at GSFC.

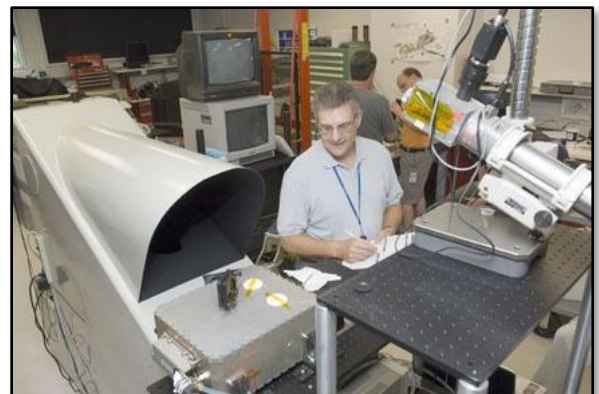
EDi staff conducts routine and directed IH surveys to ensure a safe working environment for all GSFC employees. The team developed and maintains the Industrial Hygiene Operations database at GSFC, which allows survey data results to be easily stored, updated, and retrieved electronically.

EDi manages and implements the following aspects of the IH Program at GSFC:

- Indoor air quality systems surveys
- Exhaust ventilation system surveys
- Respiratory Protection Program
- Hearing Conservation Program
- Personal Protective Equipment (PPE) Program
- Ergonomics Program
- Asbestos Program
- Prescription Safety Eyeglass Program



Derrick Carter performs a radiation protection survey.



Ted Simmons performs a laser inspection survey.



21.NASA-GSFC, Industrial Hygiene & Radiation Protection Support Services (concluded)

- Food Preparation Safety Program
- Industrial Hygiene Program
- Materials Safety Data Sheet Electronic Database System
- Pre-renovation Surveys

Industrial Hygiene Laboratory Services and Analysis

EDi’s staff has developed highly effective interpersonal skills to serve the employees and management at GSFC.

Contractual Requirements

This 8(a) set-aside contract has been in place for a number of years and EDi assumed control of the program and its employees within ??? days of contract award. Our cost proposal was reviewed and approved by the Defense Contract Audit Agency (DCAA) prior to submitting an initial invoice for transition or professional services. In fact, this contract requires ALL invoices be submitted to DCAA prior to payment by NASA.

During the transitional phase of the contract, EDi met with each individual and ensured understanding of:

- the new benefit program (equal to or better than the previous contractor);
- the lines of communication (and command) within EDi; and
- basic policies and procedures for quick implementation (such as time cards, leave requests, and so on).

EDi accomplished a smooth and seamless transition while providing employees ample opportunity to express from the previous contract—and equally important—discuss suggestions for overall program quality and improvement for the future. As a result, EDi retained all employees, with no defection to date, and have been able to maintain the integrity of the IH and Rad Protection Programs.

		Relevant Project Metrics:
Secuded Staff Employed: 9	EDi Direct Hires (3): Derrick Carter, Radiation Protection Technician (F/T) Shawn Healy, Project Health Physicist (F/T) Theodore P. Simmons, II, Laser Safety Officer (F/T)	Project Enhancement Corp Hires (6): Maryanne Chillingsworth, Disc. Ind. Hygienist IV (P/T) Romulo B. Dez, Ind. Hygienist II (P/T) Sylvia A. Grimes, Ind. Hygienist II (P/T) Carolyn Y. Reynolds, Project Controls (P/T) Ching-Tsen Bien, Ind. Hygienist I (P/T) James J. Traverso, Project Manager (P/T)
Defected Employees?	0	
Complaints?	0	
Benefits Transition?	Well-organized & efficient. Only one individual wanted to retain accrued PTO – under the contract this was impossible.	
Interaction with Transitional Staff:	HR Director reports staff interaction smooth with no problems.	
Transition Process Overview:	All employees from past contract transferred seamlessly to new contract.	
Average Recruitment Time:	0 —no new recruits necessary	
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"/>	

25. Firms/Subcontractors involved with this Project:

	(1) Firm Name	(2) City and State	(3) Role
a.	Project Enhancements Corporation (PEC) Jay Traverson • 240.686.3059 jay@pec1.net	20300 Century Blvd., Suite #175 Germantown, MD 20874	Subcontractor