



EDi No. 277



21. Alameda Radiological Survey Support Services

22. Year Completed
Professional Service:

Year Completed
Construction:

Former Alameda U.S. Naval Air Station
Alameda Point, California

Ongoing (9-2011)

n/a

Contract Role: Prime Contractor Subcontractor

CAGE Code: ID1U3

DUNS Number: 61.680.5073

23 a. Project Owner/Customer:

23 c. POC Contact Info:

Department of Navy
Naval Facilities Engineering Command
Southwest Division, Environmental Business
1220 Pacific Highway
San Diego, CA 92132-5190

619.532.3160

Hiring Prime (if applicable):

Prime Point of Contact Name:

Prime POC Contact Info.

AMEC Earth and Environmental, Inc.
8519 Jefferson, NE
Albuquerque, NM 87113

Dan Kwiecinski
Sr. Project Manager

505.821.1801, voice
505.850.2897, fax
dan.kwiecinski@amec.com

Key Personnel:

Stan Waligora, CHP	EDi Corporate Office/ABQ	swaligora@edi-nm.com	505.341.3578
Chris Edgmon, Project Manager	EDi Corporate Office/ABQ	cedgmon@edi-nm.com	505.341.3578

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

Awarded Price:	\$1,989,340.00	Final/Projected Cost:	\$1,989,340.00
Award Date:	10.03.2008	Contract No.:	P.O. #08-17S-91362
Period of Performance:	10.03.2008–ongoing	Final or Projected Schedule:	12.31.2011
Contract Type:	<input type="checkbox"/> Firm Fixed Price <input type="checkbox"/> Cost Reimbursement <input checked="" type="checkbox"/> Time and Materials <input type="checkbox"/> Cost Plus Fixed Fee <input type="checkbox"/> Cost Plus Award Fee <input type="checkbox"/> Performance Based		
Type of Work Performed:	562910, Environmental Remediation Services		
% of Work Self Performed:	50%	% of Work as Subcontractor:	51%

Contract Representative (if applicable):

Tech Rep. Agency & Address:

Tech Rep. Contact Info.:

Thomas Carr
Manager, Federal Subcontracts

AMEC Earth and Environmental, Inc.
502 West Germantown Pike, Suite 850
Plymouth Meeting PA 19462

610.877.6132, voice
610.828.5430, fax
thomas.carr@amec.com

Technical Representative (if applicable):

Tech Rep. Agency & Address:

Tech Rep. Contact Info.:

Vickie Maranhville

AMEC Earth and Environmental, Inc.
8519 Jefferson, NE
Albuquerque, NM 87113

505.821.1801, voice
505.850.2897, fax
vickie.maranhville@amec.com

Alameda Radiological Survey Support Services (continued)

Background

Alameda Naval Air Station is a closed Navy installation located on Alameda Island, adjacent to the City of Alameda in Alameda County, California. Alameda Island lies along the eastern side of the San Francisco Bay, adjacent to the City of Oakland. The boundaries of the former installation are roughly rectangular in shape (approximately two miles in length and one mile in width) and occupy 2,634 acres. Of the total acreage, approximately 1,636 acres consist of dry land and 998 acres are submerged. Alameda is bordered to the north by the Oakland Inner Harbor, and is surrounded by the San Francisco bay on the west and south sides. To the east is a mixture of residential, commercial, industrial, and public land including single-family homes, restaurants, retail stores, schools, shipyards and a state beach.



Alameda Point Naval Air Station in 1984 prior to closure in 1997

Prior to 1936, the area was occupied by a borax processing plant, an oil refinery, and an airport for the City of Alameda. Since 1936, when the Navy acquired title to Alameda, the air station’s primary mission was to provide facilities and support for fleet aviation activities. Alameda was designated for closure in September 1993, and the installation ceased all naval operations in April 1997.

The installation was placed on the National Priorities List in July 1999. A Federal Facility Agreement was signed in July 2001. Most of the base is planned for transfer to the City of Alameda. The Navy, with EPA oversight, has conducted investigations to support development of cleanup decisions for the 35 IR sites.

Scope of Work

In 2008, EDi was contracted by AMEC Earth and Environmental, Inc.(AMEC) to:

(1) Perform field radiological surveying to support site characterization in Area 1a. An excavation contractor excavated exploratory trenches. EDi surveyed the excavation, excavated materials and recorded the readings.

(2) Perform field radiological surveying to support excavation of soils in Area 1b at the site. Area 1b is a former burn area, is assumed approximately 2 acres in size, and extends to groundwater between 3 to 5 feet below ground surface (bgs). Area 1b may increase in size up to 4 acres. Excavation of the burn area (~ 20,000 cy loose soil for 2 acres) was performed by others. EDi provided field radiological surveying services to guide segregation of radiologically impacted soils from debris and remaining soils. The excavation took place in 1-foot lifts. EDi surveyed each lift and identified areas with elevated radiological readings for the excavation subcontractor to remove and stockpile separately from other soils. 10% of the excavated soils were considered radiologically impacted and required transport and disposal to an off-site facility. The primary radiological isotopes are Radium 226 and Radium 228 with traces of Cesium 137.

The excavation subcontractor managed the impacted soil on site and stockpiled the removed lift within an adjacent soils management area. The soils were segregated from the debris with a screen plant and EDi provided a radiological control technician (RCT) with meter to screen the soils and debris for radiological constituents to guide the excavation contractor for segregation of soils and debris. Soils and debris were radiologically scanned at the out puts of the screening plant.

(3) The radiological data collected by EDi is being used to satisfy the Waste Acceptance Criteria (WAC) for the selected waste disposal facility. EDi calibrated field instrumentation to laboratory analyses early and



Alameda NAS Point Survey Site



Alameda Radiological Survey Support Services (concluded)

throughout the project. AMEC is conducting quality assurance and control (QA/QC) sampling and analyses for disposal facility WAC compliance. EDi will use this QA/QC data for calibration.

(4) After removal of contaminated soil, AMEC will implement other field activities including capping the former landfill in Area 1a and soil excavation in Area 5. Once AMEC and other subcontractors completed these tasks, EDi returned to the site to conduct a MARSSIM Final Status Survey (FSS). The FSS was conducted over all areas outside of Area 1a and a surface scan only on top of the soil cover (Area 1a) to show status of radiological after the remedy was in place.

EDi Services Included:

EDi provided crew, transportation, instrumentation, field and safety equipment, materials and dosimetry to provide complete services for above scope items. For the Site Characterization, EDi furnished two (2) RCTs and one (1) radiological supervisor. For the Excavation Support, EDi provided a 5-person crew consisting of a Radiological Manager, Radiological Supervisor, and three (3) RCTs. In addition, for the excavation support of Area 1b, EDi provided an onsite, mobile counting laboratory.

EDi prepared daily field reports conveying, at a minimum, map of survey point and instrumentation readings and calibration information. A tabulated list of instrument readings and locations, photocopies of all field books, and all computation sheets were prepared and submitted in the report.

EDi also provided health physics technical support and assisted in the preparation and review of site-specific documents. Technical support focused on radiological aspects of the project. Documents requiring review included the Radiological Work Plan (RWP), Remedial Design and Remedial Action Work Plan, and Pre-Design Sampling and Analysis Plan (PDSAP) for IR Site 1. The radionuclides of concern for Site 1 listed in the Historical Radiological Assessment are Ra-226, Cs-137, Sr-90, depleted uranium (DU), uranium oxide (UO₂), Th-232, Kr-85, and Co-60. EDi's efforts included document review and provided written comments for consideration.

25. Firms/Subcontractors involved with this Project:

	(1) Firm Name	(2) City and State	(3) Role
a.	Cabrera Services Phone: 860.569.0095 Fax: 860.569.0277 info@cabreraservices.com	473 Silver Lane East Hartford, CT 6118-1852	Detection System Subcontractor to EDi