



®

**US Army Corps  
of Engineers**  
Alaska District



# Environmental Capabilities



**BUILDING STRONG®**

# Environmental Capabilities

## ***Mission***

The U.S. Army Corps of Engineers-Alaska District provides a full range of quality engineering, science, technical and construction support services during peacetime and contingency operations in Alaska as well as throughout the Pacific region.

The district is committed to providing the best possible environmental services to our customers. Our goal is to be a valued and preferred source for our customers' environmental investigation, design and restoration needs. Our staff accomplishes work using in-house resources, one of the many available contracting mechanisms or both.

## ***Work Force***

Our experienced and dedicated professionals assist and collaborate with military, federal, state, local and tribal entities through services in planning, design, construction, engineering and environmental science studies, environmental cleanup and restoration, water resources development, contracting, real estate, emergency operations and regulatory.

We are an expeditionary work force that is flexible, adaptable and willing to do what is necessary to overcome the difficulties of working in remote locations within the state or overseas.

Alaska District's diverse environmental staff is composed of about 40 employees covering a wide range of disciplines: archaeology; biology; chemistry; civil, chemical, environmental and geological engineering; environmental management and toxicology; geology; and industrial hygiene and risk management. Our staff members focus on customer needs, regulatory requirements, quality products and meeting high technical standards.

## ***Contracting***

As a full-service provider of contracts, the Alaska District can assist its customers through a multitude of choices with pre-placed architect-engineer, environmental remediation services and construction contracts. All other federal contracting options are available as well, such as small business set asides, sole source and indefinite delivery indefinite quantity contracts with other Corps districts.



**A chemist checks soil samples during a remediation project at Tanaga Island.**

## Accomplishments

The Alaska District's environmental programs carry a long track record of success and have received national recognition for their achievements. The Formerly Used Defense Sites program won the Secretary of the Army Environmental Restoration Award for Northeast Cape in 2015, Manning Point (Jago River) in 2010, Tanaga and Ogluiga Islands in 2009, and Annette Island in 2003, and Chief of Engineers Award for Eielson Farm Road in 2013.



USACE team members recognize contractor Marsh Creek, LLC, for winning the Small Business Administration's Prime Contractor of the Year award for environmental remediation work at Umiat, Alaska. Marsh Creek removed 2,440 tons of contaminated soil under the Formerly Used Defense Sites program in the remote foothills of the Brooks Range.

## Programs

### Army and Air Force Environmental

The Alaska District provides technical assistance to the Army and Air Force throughout Alaska in support of environmental restoration and compliance programs.

The Defense Environmental Restoration Program (DERP) was formally established by Congress in 1986 and consists of the Installation Restoration Program (IRP) and the Military Munitions Response Program (MMRP). The IRP is a comprehensive program to identify, investigate and clean up hazardous substances, pollutants and contaminants at active installations. The MMRP deals with nonoperational range lands that are suspected or known to contain unexploded ordnance, discarded military munitions or munitions-constituent contamination.

The compliance programs include cleanup of contamination at installations resulting from operations occurring since October 1986 as well as ongoing regulatory requirements for air quality, water quality, and solid or hazardous waste storage and disposal.



# Environmental Capabilities



Contractors conduct contaminated soil excavation, containerization, and staging activities at the Air Force's Wainwright Long Range Radar Station on the remote northwest coast of Alaska. The project involved remote site logistics, barge transportation, and working in winter conditions.

## ***Environmental Support for Others***

Under our International and Interagency Services (IIS) office, Alaska District's Environmental Support for Others has executed environmental projects throughout Alaska on behalf of the Coast Guard, Environmental Protection Agency, Department of the Interior, Bureau of Land Management, Federal Aviation Administration, Department of Energy, U.S. Forest Service and National Park Service.

## ***Formerly Used Defense Sites***

Under the Defense Environmental Restoration Program, the Alaska District identified more than 500 sites eligible for the Formerly Used Defense Sites program in Alaska. Environmental cleanup under this program is estimated to continue beyond 2020 with nearly \$1.3 billion worth of work yet to be completed. Projects include cleanup of hazardous wastes, petroleum contamination, tanks or drums, military munitions and building debris.

## ***Native American Lands Environmental Mitigation***

The Department of Defense (DoD) created the Native American Lands Environmental Mitigation Program (NALEMP) to address environmental impacts on Indian lands and Alaska Native Claims Settlement Act-conveyed properties from former DoD activities and facilities. Since 1993, Congress has inserted a provision in the DoD Appropriations Act requiring the DoD to devote funds annually to mitigate environmental impacts to these lands. The Alaska District administrates the NALEMP program in Alaska on behalf of DoD. Tribes are provided funding, through cooperative agreements, to address military impacts on their lands. Tribes use a variety of means to accomplish their tasks, including self-performance, contractors, and Alaska District technical support. The district currently manages approximately 30 agreements with 19 tribes.



Hazardous waste technicians prepare overpack salvage drums for transportation offsite using helicopter sling loads at Tanaga Island.



A technician sets up a GPS receiver on a raft to survey submerged drum removal locations at Davidson's Landing Formerly Used Defense Site in northwest Alaska.



Alaska District and AECOM Environmental Inc. carefully coordinated setup of a base camp at Tanaga Island for the award-winning cleanup project at Tanaga and Ogluiga islands.



## Capabilities

- Regulatory and technical expertise for all phases of environmental and demolition projects from initial conception to project closeout
- Support for the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), commonly known as Superfund, and the Resource Conservation Recovery Act
- Performance of preliminary assessments, site inspections, remedial investigations, feasibility studies, proposed plans and decision documents/record of decision
- Geophysical investigations, geological characterizations and remediation designs
- Rapid and accurate field investigation of suspected petroleum-contaminated sites with two ultraviolet optical screening tools used in conjunction with a direct push drill rig
- Meter sampling of air and particulates, and handheld X-Ray fluorescence analysis of metals
- Cleanup of asbestos, dioxins, metals, polychlorinated biphenyls and other contaminants in groundwater, surface water, soil and sediments
- Expertise in mining issues, air pollution monitoring and hydraulics/hydrology
- Water and wastewater treatment
- Landfill permitting and closure



U.S. Army Corps of Engineers employees operate the Ultra Violet Optical Screening Tool (UVOST) and direct push drill rig during a remedial investigation at Yakutat in southeast Alaska.

- Investigation of above and below-ground storage tanks as well as abandoned mines
- Assessments of human health and ecological risks
- Safety and occupational health planning
- Compliance support for air, water, solid/hazardous waste and emergency planning
- Active and passive soil gas surveys as well as soil and water sampling
- Treatment systems accomplished in situ and ex situ
- Storm water plans, erosion control and solid/hazardous waste management
- Data quality objectives evaluation
- Environmental assessment and environmental impact statement support to meet National Environmental Policy Act requirements
- Survey and evaluation of archeological and historical properties, endangered species, migratory birds, stream permits, tidelands and other affected areas
- Pre-construction environmental surveys and master planning
- Leadership in Energy and Environmental Design support for the design, construction and operation of “green” buildings
- Environmental and geotechnical drilling, including Ultra-Violet Optical Screening Tool (UVOST®)
- AutoCAD computer-aided design and drafting, and Geographic Information System services
- Cost estimating
- Assessment, evaluation and validation of analytical data
- Access to U.S. Army Corps of Engineers centers of expertise for hazardous, toxic and radioactive wastes; military munitions; and unexploded ordnance.
- Accustomed to working at remote sites that present extreme logistical challenges
- Innovative thinking and out-of-the-box approaches to accomplishing the mission
- Cost-effective services
- Highly responsive to customer needs, good working relationships and support with community relations
- ISO 9001:2008 certified since March 2004

## Customers

- U.S. Army
- U.S. Air Force
- U.S. Coast Guard
- U.S. Bureau of Land Management
- U.S. Environmental Protection Agency
- U.S. Department of the Interior
- Federal Aviation Administration
- Denali Commission



# Contact Us

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**Environmental and Special Programs Branch, Chief**  
**Larry Phyfe—907-753-2638**

**International and Interagency Support Office, Chief**  
**Robert Brock—907-753-5612**

**Formerly Used Defense Sites Program, Chief**  
**Kenneth Andraschko—907-753-5647**

**NALEMP Manager**  
**Andrea Elconin—907-753-5680**

