

## ENGINEERING SERVICES

### Specialized Petroleum

- Aviation Fueling & Hydrant Systems
- Facility Assessments & Upgrade Planning
- Bulk Petroleum Storage
- Fuel Transfer, Filtration & Piping Systems
- Hydraulics, Dynamic Surge Analysis
- Cargo Loading & Offloading Facilities
- Cross Country Pipelines / Pumping
- Spill Prevention Control & Countermeasure Plans
- Dikes, Secondary Containment, Drainage
- Oil / Water Separation

### General Engineering and Design

- Civil Site Planning & Design
- Geotechnical Evaluation
- Structural Design & Evaluation
- Mechanical Pumping & Piping Systems
- Process Instrumentation
- Power Generation Facilities
- Central Heating Plant, Utilities
- All Balance of Plant Systems
- Steam & Hot Water Distribution
- HVAC & Industrial Ventilation
- Plumbing / Fire Protection

### Project Support

- Project Management
- Feasibility Studies
- Cost Estimating & Analysis
- Project Licensing & Permitting
- Construction Administration / Management
- System Startup & Commissioning
- Operation / Maintenance Manuals

## TESTING AND INSPECTION

- API 653 & AWWA Storage Tank Inspections
- API 653 Tank Suitability for Service Evaluations
- API 570 Piping Inspections & Evaluations
- API 510 ASME Pressure Vessel Inspections
- API 579 Fitness for Service Evaluations
- Pipeline Instrumented (smart) Pigging
- Specialized MFL Testing & Helium Floor Testing
- Pipeline Pressure & Leak Testing
- Weld Inspections / Non-Destructive Examinations
- Pipeline Integrity Inspections & Evaluations
- Lining & Coating Inspections by NACE Inspectors

## Announcements

Enterprise Engineering, Inc. (EEI) was awarded a multi-year IDIQ A/E Contract award by the Naval Facilities Engineering Service Center (NFESC), of Port Hueneme, California. The contract covers the design and evaluation of U.S. military fuel facilities throughout the world. This contract will provide EEI with another avenue to support and serve our military clients across the globe. EEI will provide engineering services for all types of fuel facilities ranging from tanker offload piers and loading arms to bulk storage and flight line fuel farms, aviation aircraft hydrant fueling systems, on-base and cross-country pipelines. Initial projects will be at NAS Lemoore and NAS San Clemente in California with future work throughout the Pacific Rim, the continental United States and Europe.

EEI is honored to be teamed with NFESC, recognized as the DoD pipeline experts. EEI will be working with NFESC to develop and execute a Pipeline Integrity Assessment Program at Navy, Marine, Army, and Air Force bases worldwide. The Pipeline Integrity Assessment Program will encompass aboveground and underground piping systems and include API 570 evaluations, in-line pipeline inspections, and hands on engineering evaluations.

Kevin Murphy, PE, is the EEI Program Manager for this contract. EEI has provided fuels engineering services to the military for more than 25 years. The contract is expected to be active for at least four years.

## Job Openings

EEI is a dynamic engineering firm performing a diverse range of projects for public and private sector clients. We have openings for engineers on local Alaska commercial and industrial projects, and on our government petroleum facility contracts at military installations throughout the world. We are currently seeking civil and mechanical engineers. We have openings for engineers looking for a professional environment where their talents, energy and initiative will be appreciated. Recent multi-year, multi-project contract awards are providing openings for individuals at many levels. Want to travel around the world; we have the position for you. A comprehensive benefits package and growth opportunities are offered.

Please forward resume and letter of interest to [resumes.alaska@eeteam.com](mailto:resumes.alaska@eeteam.com)

**ENTERPRISE**  
**ENGINEERING, INC.**

Alaska Office  
2525 Gambell Street, Suite 200  
Anchorage, Alaska 99503  
Telephone: 907.563.3835  
Fax: 907.563.3817

Maine Office  
5 Depot Street, Suite 23  
Freeport, Maine 04032  
Telephone: 207.869.8006  
Fax: 207.869.8015



Mechanical • Civil • Structural



Civil



Mechanical



Civil • Geotechnical • Survey



Civil

### Wake Island Aviation Fuels System Restoration Program

In 2002, EEI was contracted through the Air Force Center of Environmental Excellence to perform a site investigation and assess the condition of existing POL facilities. The information collected was used to update or create DD 1391 funding documents for 23 POL-related projects to aid the Air Force with a 20 plus year life extension program at this facility. EEI has provided guidance on the “bundling” of multiple single DESC projects into a composite package to realize multi-project savings from combined logistics and site overhead. Overall cost of the repairs complete to date on the order of \$30,000,000 with another \$5,000,000 remaining for execution. The construction of this program received the 2007 Build Hawaii Award of Excellence; EEI was named the design partner. In 2006, Wake Island was struck by Super Typhoon Ioke. Although Wake Island suffered considerable damage; the fuels system was one of the first systems back on line.

### Volunteers of America ARCH Facility—Eagle River, Alaska

EEI is providing planning, permitting assistance, and civil engineering design on a fast track schedule for a new 13,000-square-foot Adolescent Residential Center for Help (ARCH) facility for Volunteers of America. The ARCH facility will allow for operation of an intensive residential chemical dependency treatment program for 24 residents. The new facility will be constructed on a steep 2.5-acre site. Planning efforts include development of concept layouts and grading plans and conducting public hearings and meetings within the local community. Civil engineering includes relocation of an existing community water system, design of a new Class A well water supply system, commercial on-site septic system, site design for the building, driveways and parking lots, and landscaping plans.

### Indefinite Delivery A-E Services Contract for POL Systems and Related Projects—Various Locations, Alaska

This is EEI’s third 3-year IDIQ contract with the US Army Engineers, Alaska District for multidiscipline design services of POL systems at various military installations throughout Alaska. The projects have been located at remote military sites with harsh Arctic conditions requiring unique design solutions for shipping and close coordination with Government personnel. A current project involves the API 653 tank inspection and repair design at the remote Eareckson AB facility at the end of the Aleutian chain of islands.

### Seward Long Term Care Facility—Seward, Alaska

EEI is providing civil and geotechnical engineering along with survey, platting and planning services for a new long term care facility. The facility is comprised of four individual 7,400-square-foot housing structures, and a 17,500-square-foot Commons Building. During the course of the project, three different sites (8, 16, and 25 acres) have been evaluated for geotechnical and environmental concerns.

The civil design provides the infrastructure required to serve the new complex including paved and vehicular access drives, pedestrian walkways and utility systems for water, sanitary and storm sewer services. Site design includes grading for the residence buildings and Commons Building along with design of three separate parking lots providing 70 parking spaces.

### Ted Stevens Anchorage International Airport Remote Refueling Apron and Taxiway U Reconstruction—Anchorage, Alaska

In 2003, EEI began providing professional design services to the Alaska Department of Transportation and Public Facilities on this multi-phased project. EEI designed a new aircraft refueling apron along with improvements to Taxiway U. The new apron accommodates three parked commercial aircraft positions in a previously undeveloped 10-acre area south of the Federal Express facility. EEI developed several concept layouts with considerations for aircraft maneuvering, maximum grades for taxilanes and aprons, impacts to the control tower line of sight (shadowing on controlled surfaces), construction cost, grading and drainage, and ease of expanding the apron in the future. EEI completed the Phase 1 earthwork design for the aircraft apron area, which was constructed in 2005. As part of the Phase 2 design, EEI designed the apron concrete and asphalt pavements, new drainage system, and lighting. The design also included improvements to Taxiway U to upgrade it for Group VI aircraft.