



**IO Environmental & Infrastructure Inc.**

# IO Environmental & Infrastructure, Inc.

## WHAT WE DO

We provide technical expertise in habitat restoration, environmental site remediation, civil construction, and emergency response.

## WHERE WE WORK

- Military installations (active and formerly used)
- State, local, and municipal facilities & properties
- Industrial and commercial facilities

## OUR ADVANTAGES

- Staff averages over 20 years of experience
- 40% veteran workforce
- Self-performing construction and restoration services
- Responsive and high quality services
- Remediation system rentals, installation, and operations & maintenance

IOEI is a 50-person Service-Disabled Veteran-Owned Small Business (SDVOSB) specializing in environmental restoration and heavy civil construction. Founded in 2006 with offices in San Diego, California, Los Alamitos, California, Redmond, Washington, and Nicholasville, Kentucky, IOEI is regarded as one of the premier self-performing SDVOSB companies in the country.

IOEI was honored as the 2017 Veteran-Owned Small Business of the Year by the Small Business Association and was listed among the top 100 inner-city firms by Fortune Magazine in 2015. Our experience includes award-winning projects, including the San Diego River Trail Walker Preserve, which was honored as the American Society of Civil Engineers Project of the Year. The IOEI team brings this same level of award-winning performance to the execution of each project we undertake.

We are committed to providing employment, training, and growth opportunities to military veterans. IOEI's goal is to achieve a minimum 40% veteran staff, reflecting our focus on the wellbeing of the veterans that have faithfully served our country.



## Our Services

- ✓ **Environmental Remediation**
- ✓ **Habitat Restoration**
- ✓ **Environmental Compliance**
- ✓ **Civil Construction & Infrastructure**
- ✓ **Facility Operations & Maintenance**
- ✓ **Emergency Response**



## Our Clients

### Government Agencies

NAVFAC (SWDIV, LANTRDIV, MIDL)  
 USACE (Kansas City, Omaha)  
 Department of Energy  
 NASA  
 Department of Interior (National Park Service)  
 Veterans Administration  
 Department of Agriculture (National Forest Service)  
 State of Washington

### Private Sector

Tetra Tech, Inc.  
 Floyd Snider  
 CH2M Hill  
 AECOM  
 CB&I  
 Maul Foster Alongi  
 Puget Sound Electric  
 ECC  
 Kleinfelder  
 ARS Aleut Construction

### Burns & McDonnell

General Electric  
 AMEC  
 Stantec  
 Exxon/Mobile  
 Shell Oil  
 GHD  
 ANTEA  
 GeoEngineers  
 PBS Engineering  
 Haskell

# Project Profiles



**IO Environmental & Infrastructure Inc.**

## COMPANY

### CERTIFICATIONS

- Service-Disabled Veteran-Owned Small Business (SBA)
- Small Business (SBA)
- Small Local Business Enterprise (San Diego)

### NAICS CODES

- 562910 - Remediation
- 236 - Construction of Buildings
- 237 - Civil Engineering Construction
- 238 - All Other Specialty Trade Contractors

### DETAILS

CA Licensed General & Hazardous Waste Contractor  
#957419 A, C-27, HAZ and ASB  
WA State Contractor  
#10ENVEI880PN  
CAGE Code: 51H04  
DUNS: 786512058  
Bonding Capacity: \$2.5/\$5 Million  
\$10 Million GL Policy

### VETERAN OWNER

Mike Bilodeau, President & CEO  
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### CORPORATE OFFICE

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## **Heavy Metal Dust Abatement at 19 Facilities in 9 States (OH, CO, IN, IL, MI, WI, ID, IA, WI), USACE Omaha District --\$5.1M**

IOEI completed the cleaning of horizontal surfaces, walls and floors of vehicle support facilities for UASCE at 19 facilities in 9 states under the management of the 88th Regional Support Command. Field work included abatement of chromium, cadmium and lead contaminated dust following Brookhaven National laboratory abatement and sampling approach. IOEI coordinated independent third party testing and inspection services to conduct confirmation wipe sampling and testing of cleaned and/or painted surfaces to ensure compliance with military specifications and contract requirements. Work was scheduled in close coordination with Tenant Command POCs to minimize operational impacts and ensure continued readiness. Specific subtasks performed by IO on this task order include:

- Prepared planning documents for each site, including Work Plans, Sampling and Analysis Plans, Site Safety and Health Plans, Accident Prevention Plans, and Quality Control Plans.
- Mobilized personnel, materials, and equipment to 19 facilities in 9 states.
- Coordinated closely with Government QA inspection personnel to ensure our work was completed on schedule to facilitate the return to use of each location.



## **Maury Island Open Space Remediation Phase 01- Trails, Kings County, WA - \$489K**

The project site comprises approximately 266 acres, located on the southeast side of Maury Island above Puget Sound. The one-mile shoreline is the longest undeveloped stretch of Puget Sound shoreline in King County. A portion of the site was formerly operated as a mine by CalPortland. King County acquired the Site in 2010 and it is currently open to the public for non-motorized recreation, including walking, hiking, mountain biking, and equestrian use.

Environmental investigations identified contaminants present in soil throughout the site as a result of fallout from the former ASARCO Tacoma smelter smokestack and from former site use including mining and shooting. Soil contaminants exceeding risk-based cleanup levels include arsenic, lead, and polycyclic aromatic hydrocarbons (PAHs). Risk-based cleanup standards for soil were established in accordance with Washington State's cleanup law, the Model Toxics Control Act (MTCA).

IOEI completed a soil removal/remedial action to mitigate the risk to human health and ecological receptors posed by metals and PAHs. Related and relevant scope items include the following:

- Preparation of a Removal Action Work Plan, SAP, and HASP
- Mobilization of equipment and personnel
- Construction of access roads and trails
- Excavation, stockpiling, waste profiling of contaminated soil
- Loading, transport, and off-site disposal of contaminated soil
- Confirmation soil sampling to demonstrate achievement of cleanup standards.
- Site restoration

IOEI self-performed the planning, reporting, and construction elements of this work, subcontracting only the transportation and disposal



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## **Former Lowry AFB, Colorado – Soil Removal Action and ISCO Groundwater Remediation - \$2.2M**

This project was performed at the former Lowry AFB, Titan I, Missile Site 1, Complex 1C in Colorado. This underground missile silo, in use between 1961 and 1965, had an underground powerhouse, interconnecting underground tunnels, two sewage stabilization cells, a chemical waste clarifier, and five concrete seal chambers. Site contaminants include chlorinated volatile organic compounds (CVOCs), polycyclic aromatic hydrocarbons (PAHs), and polychlorinated biphenyls (PCBs) and metals in soil and groundwater. IOEI completed the following:

- Preparation of Remedial Action Work Plan, Sampling and Analysis Plan, and Health and Safety Plan with Activity Hazard Analyses and Permitting
- Meetings with client and regulators from USEPA Region 8 and state EPA
- Clearing, grading and site preparation
- Site surveys to identify the limits of excavation based on previous analytical data
- Cultural resources survey demonstrating that the site is eligible for inclusion in the National Register of Historic Places (NRHP)
- Excavation and removal of contaminated soil to a depth of 10 feet
- Profiling, manifesting, transport and disposal of contaminated soil
- Confirmation soil sampling and fixed-base laboratory analysis
- Data compilation and analysis
- Risk screening using Colorado Standards and USEPA Regional Screening Levels
- Backfill, compaction, and restoration of the site
- Preparation of Removal Action Completion Report documenting field activities, confirmation sample results, and post-removal site conditions.



## **Cleveland National Forest, San Diego County – Laguna Campground Improvements, Demolition and Site Clearing - \$2.3M**

IO Environmental & Infrastructure (IOEI) was subcontracted to perform demolition of existing facilities, site clearing and earthwork, and construct improvements to the Laguna Campground. Project scope involved improvements at Laguna Campground, El Prado Group Campground, and Burnt Rancheria Campground. IOEI demolished aging infrastructure and upgraded seven sanitation facilities at Laguna Campground and Burnt Rancheria Campground. Construction improvements included site preparation and installation of new vault toilet buildings, accessible concrete walkways, accessible camp units, concrete pads, a fee tube, septic tanks, a new water system, valves boxes, hose bibbs, upgrades to existing water system and repairs. Roadways improvements included cleaning-out existing culverts, pulverizing existing asphalt roadway and camp unit spurs, widening campground spurs, roadway and parking areas. The project included laying new aggregate subbase, new asphalt pavement, speed bumps, wood barrier posts, bollards, wood fencing, wheel stops, traffic signs, rip rap, geotextile material, carsonite delineator markers and pavement striping.

The project area is part of a larger pre-historic archaeological site, so all intrusive work was conducted with archaeological monitor oversight. Project scope relevant to the VA IDIQ contract includes environmental assessment; biological survey; archeological studies, tribal coordination, surveys, and monitoring (human remains were encountered); regulatory compliance and permitting; topographic survey; permitting and reporting; and preparation and implementation of a SWPPP.





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**National Training Center Fort Irwin – Habitat Restoration - \$1.0M**

IOEI was contracted by Naval Facilities Engineering Command Southwest (NAVFAC SW) to conduct a wide range of habitat restoration tasks at multiple sites at the National Training Center (NTC) Fort Irwin. NTC Fort Irwin is an Army installation of approximately 1,200 square miles located in the Mojave Desert of Southern California about 35 miles NE of Barstow, CA. In order to continue providing realistic military training at the NTC, it is necessary to manage the training land in a sustainable manner. The Army's land management program is called the Integrated Training Area Management (ITAM) Program. The overall function of the ITAM Program at the NTC, Fort Irwin, CA, is to support sustainable training by maintaining the balance between training and the environment.

Project scope included preparation of Accident Prevention Plans and Work Plans, progress reports, and draft and final reports documenting project activities. IOEI completed improvements to two forward area arming and refueling points (FAARPs); safe closure of eight historical mines and restoration of mine sites; improvement of 8.5 miles of maneuver trails; installation of approximately 3 miles of perimeter fencing to protect ecologically sensitive areas, and construction of low water crossings.



**MCB Camp Pendleton, CA – Contaminated Soil Excavation/Remediation Systems**

IOEI performed removal actions at four UST sites (sites 53424, 1331, 2264-1, and 2264-2) by excavating over 3,500 tons of petroleum contaminated soil. Prior to backfilling the excavations, over 2,100 pounds of ORC was applied to the saturated zone of the soil column for enhanced chemical oxidation. IOEI installed over 15 new bio-sparge wells and expanded the existing bio-sparge system for groundwater remediation of MTBE down-gradient of the sites. These projects were performed simultaneously by several work crews. IOEI performed system startup, optimization, and long term O&M at the Sites. This \$1.2M project received a "Very Good" CCAS rating from the Navy and resulted in greatly increased cleanup efficiency at the sites.



## Prime Contracts

- ✓ NAVFAC LANTDIV Contract No. N40083-11-D-0029. 5-year, \$24M EMAC\*
- ✓ USACE Kansas City District Contract No. W912DQ-12-D-3012. 3-year base, \$30M MATOC\*
- ✓ NAVFAC Southwest Contract No. N62473-16-D-2414. 5-year, \$40M IDIQ\*
- ✓ USACE Omaha District Contract No. W9128F20D0020. 5-year base, \$35M SATOC\*
- ✓ NAVFAC SW Contract No. N62473-09-1212. 5-year, \$30M IDIQ ERN Restoration\*\*
- ✓ USACE NW Division Omaha Dist. Contract No. W9128F-10-D-0045. 5-year, \$25M MATOC\*\*

\* Currently active contracts

\*\* Completed contracts; CPARS and PPQs available