

# PFAS

(PER- AND POLY-FLUORINATED ALKYL SUBSTANCES)



**INNOVATIVE AND DEDICATED  
EXPERTS DELIVERING RESULTS  
YOU CAN RELY ON**

**Brice**

**Brice** is a proud, self-performing 8(a) Alaska Native Corporation Small Business (ANC SB) with a successful track record performing federal hazardous, toxic, and radioactive waste (HTRW) and per- and polyfluoroalkyl substances (PFAS) projects across the country. As an ANC SB, we provide our federal clients with the agility and flexibility of a small business prime contractor with the breadth of resources offered by a large business. This allows us to consistently deliver best value when executing the routine to the most complex of environmental projects for our clients, and most importantly achieve your project objectives. Our nationwide experienced environmental staff have the expertise to develop cost-effective and innovative solutions at any phase in the cleanup process, from investigations to design and construction services for HTRW and PFAS projects.

The public's understanding and response to PFAS and the risks posed continue to rapidly evolve, making it difficult to stay current with ever-changing DoD and regulatory approaches, standards, and guidance.

Brice's cost effective patented soil washing technology is a portable and highly productive system that has performed treatability studies and full-scale soil washing at 40+ sites in Alaska, nationwide, and the Pacific Rim for over three decades. We have successfully treated as much as 130,000 cubic yards of soil on a single project.

## ENTER BRICE AND OUR CORE VALUE OF UNIQUELY AGILE.

We have a growing portfolio of over 35 PFAS projects for our federal clients AFCEC, USACE, USCG, and the FAA in remote areas of Alaska, across the Lower-48, and the Pacific Rim.

We have worked hard to adapt and stay relevant in the PFAS arena by working hand in hand with our clients to achieve project objectives in the most efficient and effective way possible. Highlights of our qualifications include:

- Brice is an affiliate of the Interstate Technology and Regulatory Council (ITRC) Industry. Our employees have contributed to the Contaminants of Emerging Concern; PFAS Regulations, Toxicology, and Risk; and PFAS Remediation teams.
- Published articles in The Military Engineer (No. 712, 719, 724, 724, 727) and presented at REMtec & Emerging Contaminants Summit, Association for Environmental Health and Sciences Foundation West, Alaska Forum on the Environment, USACE Omaha Industry Day, and Remediation Technologies Symposium (Banff).
- Hold patents for soil washing (US patents #7255514 and #7399141) which we are currently implementing for a MILCON PFAS project.
- Presented a White Paper to the USACE in January 2022 describing management of PFAS impacted soil in support of military construction.

In the following pages, we have highlighted our approach to achieving your PFAS project objectives, our dedicated PFAS team, the breadth and depth of our previous and current PFAS work, how we incorporate safety and quality, and how to solicit our services.

Brice has dedicated personnel comprising a highly experienced program manager, senior-level project managers, and regionally based project managers, combined with a bench of over 200 highly qualified environmental professionals, geologists, and engineers. Our DoD experienced environmental professionals and subject matter experts give access to a robust mix of talent to our clients and their area of responsibility customers. The Brice PFAS team includes two former USAF Remedial Project Managers (RPM) and a former Alaska regulator. Key members of the team are highlighted below:

## STEVE BECKER, CEP, PFAS PROGRAM MANAGER.

With 27 years of total experience and well over 10 years' experience in large-scale soil treatment projects, Steve has been an invaluable resource to our clients for his expertise in PFAS. He has prepared multiple white papers on PFAS soil washing, including in support of military construction projects, and presented on the topic to the USACE PFAS Work Group in April 2021. He is a PgM/PM with experience ranging from environmental planning, investigation, and remediation to regulatory permitting and enforcement.

## GARY FINK, REM, SENIOR TECHNICAL ADVISOR.

More than 25 years as a USAF RPM and was a former AFCEC Restoration Chief for Eielson AFB. Gary brings in-depth knowledge of policies, procedures, and programming for DoD clients.

## TONI MEHRABAN, PE, SENIOR PROJECT MANAGER/ ENVIRONMENTAL ENGINEER.

Brings 21 years as a Project Manager directing Brice's most complex PFAS projects including at Hill AFB, Clear Space Force Station, and Wake Island Airfield. She also serves as an engineer on pilot studies for destructive treatment of PFAS.

## MONTE GARROUTTE, ENVIRONMENTAL ENGINEER.

Almost a decade of experience, Monte is a former ADEC regulator and member of the Eielson AFB RPM team and served on the ADEC Statewide PFAS Task Force before coming to Brice. He is a SME on the systematic planning process and led the development of the UFP-QAPP for multiple PFAS projects.

## JIM PERLOW, PE/PG, PFAS FIELD MANAGER.

For more than 20 years, has managed installation, commissioning, and operations for large-scale PFAS remediation projects. As a licensed geologist and engineer, Jim provides valuable services in all phases of the investigation and cleanup process.

## VICTORIA "TORI" PENNICK, PFAS PROGRAM CHEMIST.

With more than 35 years of experience with analytical chemistry, Tori has been Brice's lead chemist on PFAS projects since 2019. Her extensive combined chemistry experience includes preparation of sampling and analysis plans, UFP-QAPPs, laboratory selection, performing field screening, collecting analytical samples, performing project level data quality management, and evaluating data usability for HTRW and PFAS projects.

## CRAIG JONES, RANDY HATTENBURG, AND BOB PUCKETT, SENIOR SOIL WASHING EXPERTS.

Craig is Brice's Senior Soil Washing Engineer and has been conducting soil washing operations for Brice since 1992. Randy and Bob have each been involved in soil washing with Brice for more than 20 years. Craig was actively involved in our Eielson AFB PFAS soil washing bench-scale study in 2018, and all three participated in the field scale treatability study at Peterson AFB.



# BRICE PERFORMS THE 10 PHASES NEEDED TO CLEAN-UP PFAS

## PA/SI

- USCG PA and Site Characterization, Port Clarence, AK
- USACE Alaska/AFCEC PFAS PAs at Multiple Installations in AK and HI
- AFCEC Non-AFFF PFAS PAs for Multiple Installations
- AFCEC PFAS SI, JBER, AK
- USACE Alaska/AFCEC Long Range Radar Site PFAS PA/SI, Fort Yukon, AK
- FAA Air Traffic Control Tower SI, Anchorage, AK
- USACE Seattle Supplemental PA/SI, Kingsley Field AFB, OR

## FEASIBILITY STUDY (FS)

- USACE Seattle Focused Feasibility Study Update, Site FT008, Mountain Home AFB, ID

## ENGINEER EVALUATION AND COST ANALYSIS (EE/CA)

- USACE PFAS EE/CA and NTCRA Fairchild AFB and City of Airway Heights, WA

## REMEDIAL DESIGN

- USACE Alaska Construction Dewatering PFAS Treatment, Eareckson Air Station, AK
- USACE Seattle Construction Dewatering PFAS Treatment, JBLM, WA

## OPERATIONS & MAINTENANCE (O&M)

- USACE Seattle/US Army Base Boundary Well Installation and Monitoring, Joint Base Lewis-McChord, WA

## REMEDIAL INVESTIGATION (RI)

- AFCEC Phase I RI of PFAS, Clear SFS AK and Wake Island Airfield
- USACE Philadelphia Phase I RI, Dover AFB, DE
- USACE Sacramento Phase I RI of PFAS, Beale AFB, CA
- USACE Seattle Phase I PFAS RI, Portland ANG Base, OR

## BENCH/PILOT SCALE TREATABILITY STUDIES

- USACE Omaha Volume Reduction of PFAS Contaminated Soil, Eielson AFB, AK
- USACE Omaha Soil Washing of PFOS/PFOA-Contaminated Soil, Peterson AFB, CO
- USACE Seattle GAC Pilot Study, Joint Base Lewis-McChord, WA
- USACE Sacramento PFAS Treatment System Conceptual Design and Decision Document Amendment, Hill AFB, UT
- USACE Sacramento PFAS Treatability Study, Plume CG044P-SUB, Beale AFB, CA
- USACE Omaha Pilot Study and Hydraulic Containment, Cannon AFB, NM

## INTERIM REMOVAL ACTIONS

- USACE Alaska/AFCEC Drum and Sediment Removal and Disposal, SS035 from Eastern Shoreline Garrison Slough Pond, Eielson AFB, AK
- USACE Omaha PFAS/PFOA Interim Mitigation, Shaw AFB, SC
- USACE Alaska/AFCEC Treatment and Disposal of PFAS Contaminated Soil Stockpiles, Multiple Projects, Eielson AFB, AK

## REMEDIAL ACTION

- USACE Alaska/AFCEC GAC/IX Resin System Purchase and Installation, Eareckson Air Station, AK
- USACE Alaska/AFCEC Fort Yukon Long Range Radar Station Point-of-Entry Treatment (POET) System

## LONG TERM MONITORING (LTM)

- USACE Alaska Environmental Quality Support Activities, Fort Wainwright, AK



# KEY PROJECT DESCRIPTIONS

## PATENTED FIELD TREATMENT PROCESS FOR PFAS IMPACTED SOIL, PETERSON AFB, COLORADO

Brice deployed our patented field treatment process for PFAS impacted soil at Peterson AFB, Colorado that demonstrated Brice's soil washing process could remove more than 99% of PFOS and PFOA from coarse soil fractions (> #200 mesh) and between 83% PFOS and 93% PFOA of contamination from fine soil fractions (< #200 mesh) in a single treatment.

## PFOS/PFOA INTERIM MITIGATION, SHAW AFB, SC (BAJV1/USACE OMAHA)

Brice, through our Brice AECOM JV is providing time-sensitive actions for the residential area located south of Shaw AFB, whose groundwater may have been impacted with concentrations of PFOS and PFOA greater than the Lifetime Health Advisory. Brice performed an inventory of wells, well surveys, sampled 350 public and private wells, and participated in public meetings.

## PORT CLARENCE PA/SI (USCG D17) FORT YUKON LONG RANGE RADAR SITE PFAS PA/SI (USACE ALASKA/AFCEC)

Brice conducted a PA for the USACE at the Fort Yukon Long Range Radar Site (LRRS) in Fort Yukon, Alaska. The PA evaluated if a potential environmental release of AFFF may have occurred at the Fort Yukon LRRS.

## BASE BOUNDARY WELL INSTALLATION AND MONITORING, JOINT BASE LEWIS-MCCHORD, WA (USACE SEATTLE/US ARMY)

Our Brice AECOM JV performed a three-phase PA/SI for PFAS impacts in soil, surface water, and groundwater at JBLM, a multi-site combined Army/Air Force installation and EPA-regulated site. Together, the team performed regulatory compliance, assessments, source investigations and site inspections, and data evaluations/analysis under CERCLA, RCRA, and Washington State Department of Ecology and Department of Health regulations and guidelines.



# SAFETY & QUALITY

## SAFETY FIRST

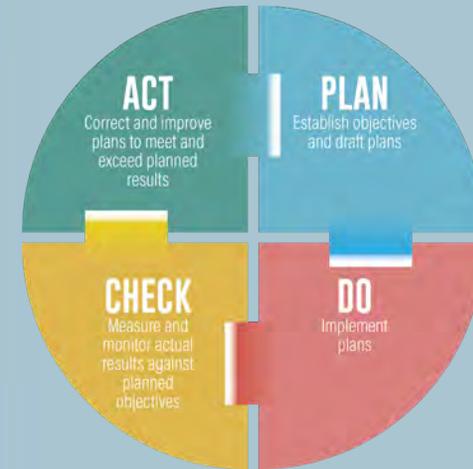
**OUR GOAL IS STRAIGHT FORWARD: ZERO INCIDENTS ON EVERY PROJECT.**

Brice is committed to developing a culture that promotes an incident and injury-free environment and provides the safest workplace possible for our employees, subcontractors, clients, and visitors. Through innovative training and education programs, such as our Behavior Based Safety (BBS) workshop, we provide our employees and subcontractors with the tools, knowledge and resources they need to increase their awareness of the factors that influence safety, reduce risk, and get home safely to their families on every project. We value and instill in all our employees a "safety first" mind set, where every employee has the authority to immediately stop work.

SAFETY leads to a low Experience Modification Rate (EMR).



## QUALITY GUARANTEED



## ALPHA CONTRACTING

In the interest of keeping your projects on schedule in the face of PFAS challenges, Brice recommends Alpha Contracting. Alpha Contracting, as reauthorized under Section 802 of the 2020 National Defense Authorization Act (NDAA), is an innovative acquisition technique in which the contractor is retained as a key member of the Department of Defense project development team (PDT). As part of the PDT, the government and contractor work collaboratively to develop the scope of work and negotiate project costs.

Through Alpha Contracting, contracts are awarded more quickly than a traditional sole source contract. Alpha Contracting also encourages a better contracting and

teaming relationship that results in reduced risk to the government and a fair and reasonable price for the contractor.

As an Alaska Native Corporation 8(a) Small Business, Brice is eligible for sole source contracts. Under Section 823 of the 2020 NDAA, no justification and approval is required for DoD-awarded sole-source 8(a) contracts up to \$100M, and sole source awards to an ANC 8(a) cannot be protested (Title 13 of the Code of Federal Regulations [CFR] Part 124.517[a]).

# CORPORATE INFORMATION

## BRICE ENGINEERING, LLC

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## POINT OF CONTACT

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## REGISTERED IN SAM

UEI: WN2HXUFE4AA5  
CAGE: 7K4L7

## CERTIFICATIONS

- SBA 8(a) Participant
- Alaska Native Corporation (ANC)
- Small Disadvantaged Business (SDB)

## NAICS CODES

541330 - PRIMARY; 236210; 236220; 237110; 237120;  
237130; 237990; 238210; 238910; 238990; 484121;  
541370; 541513; 541611; 541620; 562219; 562910;  
562998

## BONDING CAPACITY

- \$200M Single | \$300M Aggregate
- \$40M Credit Line through Parent Company
- Listed in the Disaster Response Registry

## SYSTEMS

DCAA Audited Government Approved Integrated  
Systems: Deltek/Costpoint

## SBA CONTACT INFORMATION

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