



**SWIFT RIVER**  
ENVIRONMENTAL SERVICES, LLC



***STATEMENT***

***OF***

***QUALIFICATIONS***

**Environmental Compliance Solutions**

**Science and Engineering**

***Alaska Native Corporation ♦ Indian Economic Enterprise***

***SBA 8(a) Small Disadvantaged Business***

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## **ENVIRONMENTAL COMPLIANCE SOLUTIONS**

Through the commitment of **Swift River Environmental Services** to provide quality and value, we offer our customers effective and reliable solutions to characterization, permitting, monitoring, compliance, remediation, and closure challenges. **Swift River** ([swiftriveres.com](http://swiftriveres.com)) understands that customers expect and deserve relationship-based environmental support services that are cost-effective while being superior in quality. **Swift River** shares the values of our shareholders of the **Kuskokwim Corporation (TKC)** – honoring traditions by valuing and helping one another; exhibiting integrity; valuing our land and resources; and committing to work hard to create results. Furthermore, we operate under the vision of TKC, which is to *achieve sustainable growth while protecting its lands and responsibly balancing the needs of all its stakeholders*.

**Swift River** is a subsidiary of TKC, an Alaska Native Corporation (ANC). Operational support (legal, accounting, human resource, and similar services) is provided by **Tumeq LLC**, the holding company for TKC's non-real estate businesses. **Swift River** is an U.S. Small Business Administration (SBA) 8(a)-certified Small Disadvantaged Business (awarded May 2015) and an Indian Small Business Economic Enterprise (ISBEE). We registered under the following North American Industry Classification System (NAICS) codes:

- 541620 Environmental Consulting (primary)
- 541330 Engineering Services
- 541690 Other Scientific and Technical Consulting
- 562910 Remediation Services
- 236220 Commercial and Institutional Building Construction

Our offices are located in Anchorage, Alaska; Suisun City, California (near Sacramento); and Littleton, Colorado (Metro Denver).

The **Swift River** team works in partnership with our customers to meet project objectives within their budgetary and schedule constraints. Our team of senior professionals offers our commercial and federal clients extensive knowledge of field methods for site investigation in support of regulatory compliance, with a focus on hydrogeologic characterization and numerical modeling. Our services include Resource Conservation and Recovery Act (RCRA) Subtitle C and D permitting; Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) investigation and reporting; and low-level radioactive waste regulatory compliance. Our team has decades of experience with remedial design and implementation; monitoring program development and implementation; and data analysis and reporting.

Our customer experience includes providing technical support for oil and gas exploration and production; facility permitting support for mine and mineral processing; landfill cell and final cover design and permitting; and regulatory agency interaction and public outreach for federal agencies and commercial customers. **Swift River** works with our sister civil construction subsidiary, **Suulutaaq, Inc.** ([suulutaaq.com](http://suulutaaq.com)), to provide restoration services for stream channels, wildlife habitat, and other environmentally sensitive areas. **Swift River** also works with our sister subsidiary, **Holitna Construction** ([holitna.com](http://holitna.com)), providing demolition services and associated management of associated hazardous materials. We have the capability to self-perform many facets of a project and have access to a wide range of technical disciplines through partner firms to provide turn-key and design/build projects.

## Statement of Qualifications

### **SWIFT RIVER ADVANTAGES**

With the combination of experienced senior technical and project management staff, operational support from Tumeq, and the financial stability backing of TKC supporting **Swift River**, we bring a number of unique advantages to our customers and partners

- Capability to function as a prime contractor on sole source and set-aside solicitations
- Licensed professionals and certified project managers
- Ability to support large prime contractors in meeting small business contract goals in meaningful roles, including leadership and execution on task orders
- Certified SBA 8(a) Small Disadvantaged Business allowing for multiple small business contract goals to be met by our participation
- Five-percent rebate for prime contractors under Department of Defense (DoD) contracts using the Indian Incentive Program: "Buy Indian Act," in accordance with FAR 52.226-1 -- Utilization of Indian Organizations and Indian-Owned Economic Enterprise.

### **OUR SERVICES**

**Swift River** was formed to provide quality professional environmental services to commercial and governmental clients while generating revenue for our shareholders, who are Alaska natives and members of the Alaska Native Claims Settlement Act Village Corporation. The core services offered to our customers include:

#### Hazardous, Toxic, and Radioactive Waste Services / Municipal Solid Waste Services

- Permitting Support
- Landfill and Liner System Design
- Final Cover Design
- Construction Quality Assurance and Certification
- Closure Plans and Cost Estimates
- Post-Closure Care

#### Commercial, Industrial, and Government Services

- Program Management Support
- Data Management
- Monitoring and Reporting
- Impact Analyses
- Stormwater Management Support
- Reclamation Design and Oversight

#### Remediation/Restoration/Reclamation Design

- Work plans, feasibility studies, alternatives
- Permitting and access agreements
- Implementation and construction oversight

#### Site Characterization, Monitoring and Reporting

- Monitoring Plan Development and Implementation
- Baseline and Compliance Monitoring
- Statistical Analysis and Reporting
- Surface and Subsurface Investigation
- Hydrogeologic Characterization
- Numerical modeling

#### Mining and Oil & Gas Services

- Permitting Support
- Monitoring and Reporting
- Impact Analysis
- Reclamation Design and Oversight

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**RELEVANT EXPERIENCE**

Although *Swift River* has been in business only since 2014, we have amassed a strong resume of past experience exemplified by the following projects.



**Alaska Abandoned Mine Land Inventory and Removal Site Evaluations, U.S. Army Corps of Engineers for the Bureau of Land Management, Alaska**



**Environmental Compliance Monitoring for MSW Landfills, Colorado, New Mexico, and Utah**



Swift River’s relationship with the Bureau of Land Management (BLM) started in 2015, when we were retained by the U.S. Army Corps of Engineers (USACE) to perform records searches, data compilation and management, and conduct site verification visits to identify, describe, and document more than 500 remote abandoned mine land (AML) sites in Alaska on land managed by the BLM.

In 2016, Swift River was again retained to conduct investigations at two AML sites in remote Alaska. Swift River conducted a Removal Site Evaluation (RSE) at these sites pursuant to the requirements of 40 Code of Federal Regulations (CFR) 300.410. Swift River was tasked to identify potential contamination of sensitive ecosystems. The use of drones significantly reduced the effort required to create orthophoto mosaics and topographic maps of the mine sites. Drones were employed to map remote areas that could be dangerous to access on foot or by ATV.

Our work for USACE/BLM continued with two new RSE studies in the summer of 2018. Due to the remoteness of the sites, Swift River and BLM personnel will be camped near the AML locations to conduct the field studies.

Swift River has provided RCRA Permit compliance support to a major commercial owner/operator of operating and closed municipal solid waste landfills. Swift River engineers and scientists developed, and have implemented, the Client’s Environmental Monitoring Program prior to Swift River’s start in 2014. Our field teams have installed and abandoned monitoring wells and piezometers, conduct routine detection groundwater sampling, make landfill gas measurements, evaluate monitoring data, perform QA/QC on field and laboratory data and data validation on laboratory data, and prepare compliance reports to the numerous regulatory agencies overseeing Client operations.

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<p><b>Copper Ore Processing Facility, Peru</b></p>	<p>Swift River developed a three-dimensional transient, saturated-unsaturated seepage flow model to support lixiviant application and removal from a copper leach pad in Peru. MODFLOW-SURFACT, a variant of the U.S. Geological Survey (USGS) MODFLOW program, was used in this project.</p> <p>The model incorporated CADD mapping of individual lifts within the leach pad to simulate the current topography and internal pad structure. The model also was used to select pumping well locations and extraction rates necessary to achieve threshold stability fluid levels in the pad. The wells were installed and incorporated into the model to examine future options for the leach application rate to demonstrate the lixiviant application plan will meet the required fluid levels during leaching.</p>
<p><b>Subtitle C Disposal Cell Design, Nye County, Nevada</b></p>	<p>Swift River provided engineering design support, permitting, and regulatory design negotiations for five below-grade and above-grade disposal cells, ultimately to include about 8.7 million cubic yards of disposal airspace. Key features of the design include excavation and final cover slope stability, leachate collection and recovery and leak detection systems, sump design, liner stability and stress evaluations, waste settlement, and water and wind erosion analysis. Design measures include evaluation and design of run-on/run-off controls, including detention ponds, culverts, and several thousand feet of drainage diversion channels.</p>
<p><b>Removal Action and Groundwater Monitoring at Multiple Sites at Eielson Air Force Base, Alaska</b></p>	<p>In late 2017, Swift River was tasked by the Air Force Civil Engineer Center (AFCEC) to conduct excavation and off-site thermal treatment of petroleum, oil and lubricant (POL)-contaminated soil; install and sample groundwater monitoring wells, and prepare Remedial Action Reports. To date, work plans have been prepared and are ready for submittal to the Alaska Department of Environmental Conservation (ADEC) after the Air Force and ADEC sign the Decision Documents in 2018.</p>

**SWIFT RIVER KEY PERSONNEL**

<p><b>Anita Larson, P.G., PMP</b></p> <p>Licensed Professional Geologist (PG), Utah # 8412954-2250</p> <p>Project Management Professional (PMP), #12228</p> <p>DoD Secret Clearance (inactive)</p> <p>Lean Six Sigma Yellow Belt</p> <p>ISO 9001 and 14001 Certified Lead Auditor Training</p> <p>Fellow and National Director, Society of American Military Engineers (SAME)</p> <p>B.A., Geology, University of Colorado, Boulder</p>	<p><b>Senior Director, Engineering and Construction and Interim General Manager</b>, 2016 – present. Responsible for business development and staff leadership with construction, engineering, and environmental programs for U.S. Air Force, U.S. Army including USACE, Department of Interior (DOI), and commercial customers. Currently responsible for management of Swift River staff including daily operations and implementation of quality and safety programs.</p> <p>Previous consulting experience includes client service management of design-build, civil works/ planning, and environmental programs for U. S. Army, USACE, U. S. Navy, U. S. Environmental Protection Agency (USEPA), and U. S. Department of Energy. Business lead for Air Force Civil Engineer Center (AFCEC) A-E 13 Design and Consulting Services (DCS) and Sustainment, Restoration and Modernization (SRM) Acquisition Task Order (SATOC) contracts. Lead design-build pursuits for projects in Saudi Arabia, Portugal, and the Pacific. Program Manager for contracts with USACE-Baltimore, USACE-Omaha, and USACE-Sacramento Districts.</p> <p>Other experience includes Program Management for Uranium Mine Feasibility and Pre-Construction Study, Mongolia, Denison Mines. Coordinated efforts of diverse U.S.-based mining and Mongolia-based geology teams. Provided interface with Mongolian regulatory community and University in Ulaanbaatar.</p>
<p><b>Holli L. Merchant, CIH, CSP</b></p> <p>Certified Industrial Hygienist</p> <p>Certified Safety Professional</p> <p>MA, Environmental Policy and Management, Health and Safety Emphasis, University of Denver</p> <p>MBA, Business Administration, Colorado State University, Fort Collins</p> <p>B.S., Environmental, Populational and Organismic Biology, University of Colorado, Boulder</p>	<p><b>Associate</b>, 2017 – present, and Principal Industrial Hygienist for EHS Documents, Inc. Ms. Merchant is certified in the comprehensive practice of industrial hygiene by the American Board of Industrial Hygiene and is also a Certified Safety Professional by the Board of Certified Safety Professionals. Her focus is on assisting clients with technical safety and health issues in environmental remediation, manufacturing, and construction settings. She has almost 30 years of experience in general health and safety program development, training, auditing, and air sampling.</p> <p>Ms. Merchant has developed Health and Safety programs for environmental, engineering, and construction firms, as well as for industrial clients. For the National Park Service, she reviewed documents associated with construction projects for parks across the country. Examples of projects reviewed included elevator repair at Carlsbad Caverns, a variety of asbestos projects, and hazardous materials review for sites on the Appalachian Trail.</p> <p>She also provides industrial hygiene and noise monitoring for a wide range of customers and project sites.</p>
<p><b>Catherine Shuman, PG, PMP</b></p> <p>Certified Professional Geologist (C.P.G.): American Institute of Professional Geologists</p> <p>Professional Geologist (P.G.), Alaska and Wyoming</p>	<p><b>Alaska Program Lead</b>, 2015 – present. Ms. Shuman brings nearly 30 years of environmental experience, including hydrogeologic and geologic studies to delineate the nature and extent of contamination in groundwater, surface water, soils, sediments, and air. Her focus has been remedial investigations and feasibility studies at CERCLA and RCRA sites in the continental United States, Alaska, Marshall Islands, and Guam.</p> <p>Ms. Shuman’s past experience for consulting firms includes projects for the U.S. Army Space and Missile Defense Command (USSMDC); U.S. Air Force Center for Engineering and the Environment (AFCEE); and the hazardous, toxicological, radiological waste (HTRW) contract with</p>

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<p>Certified Project Management Professional (PMP)</p> <p>DOT/IATA Hazmat - 16-hour Training</p> <p>DOT/IMDG Training</p> <p>B.S., Geology, Weber State College</p>	<p>the Alaska District of the USACE; U.S. Naval Facilities Engineering Commands, Northwest (NAVFAC Northwest); and with delivery orders issued through the National Guard Bureau to the Alaska Department of Military and Veterans Affairs. In addition, Ms. Shuman is an experienced logistics project manager. She provided logistic support for oil and mining exploration projects located in the National Petroleum Reserve-Alaska (NPR-A); Kamchatka, Russia; and Iliamna, Alaska.</p>
<p><b>Cathryn Stewart, C.P.G., P.G.</b></p> <p>Certified Professional Geologist (C.P.G.): American Institute of Professional Geologists</p> <p>Professional Geologist (P.G.): Alaska, California, Nebraska, Pennsylvania, Utah, and Wyoming</p> <p>B.A., Geology, Smith College</p> <p>M.S., Geology, West Virginia University</p> <p>M.E., Geographic Information Systems, University of Colorado-Denver</p>	<p><b>Senior Project Manager and Hydrogeologist, 2014 – present.</b> Ms. Stewart is responsible for scoping, budgeting, scheduling, training, field team leadership, and technical oversight of the firm’s solid waste management program. She has almost 30 years of experience in geology, hydrogeology, and environmental consulting, primarily with permitting, environmental monitoring, aquifer testing, hydrogeologic characterization, preparation of groundwater monitoring plans, groundwater statistical analysis, water-quality trend analysis, regulatory agency interaction and reporting for public and private solid waste management facilities. Her experience includes remediation and environmental assessments for industrial and oil producing facilities.</p> <p>Ms. Stewart served as environmental scientist and field team leader providing oversight of the technical staff and USSMDC task assignments associated with semi-annual environmental monitoring at Fort Greely in Delta, Alaska. This work focused on pre-field work planning and logistics, mobilization to the site, sampling groundwater at multiple wells and sites on the Base and adjacent to the SMDC operations, sample shipment by air to the analytical laboratory, and demobilization from the site.</p> <p>Ms. Stewart has 11 years of prior experience in petroleum and coal geology in field investigation, subsurface mapping, reserve estimating, well siting, wellsite geology, and the successful recovery of targeted fluids.</p>
<p><b>Norm Straub</b></p> <p><u>Certifications:</u> USDOT / IATA / IMO Transportation, AHERA Building Inspector, Certified Erosion and Sediment Control Lead, Construction Quality Management</p> <p>DOD Secret Clearance (inactive)</p> <p>B.S. Chemistry, Slippery Rock University</p>	<p><b>Senior Chemist, 2017 – present.</b> Mr. Straub provides management, scientific, and technical consulting expertise for public, private, and commercial clients in the resource development and services industries. His previous experience includes serving as the Environmental Program Manager, Alaska Army National Guard, for nearly a decade. In that role, he ensured successful compliance with federal and state environmental laws. He coordinated and oversaw projects for over 70 AKARNG facilities, training areas, and contaminated sites throughout the state. Supervised up to 10 full-time positions and three contract employees.</p> <p>Mr. Straub’s other past experience includes serving as an Environmental Chemist, supporting environmental investigation and remediation projects. Responsibilities included technical writing, reviewing, and editing, presenting and discussing analytical results, performing risk assessments, reporting results, as well as project management for a variety of government and industry clients. He has applied extensive knowledge of CERCLA, RCRA, the Toxic Substances Control Act (TSCA), state regulations, and investigation protocols to projects in USEPA Regions I, II, III, IV, VII, and X. Mr. Straub is familiar with a variety of analytical methods, data validation and reporting requirements.</p>



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<p><b>Pete Zlatev, Ph.D, P.E., P.G.</b></p> <p>Professional Engineer: Colorado and Washington</p> <p>Professional Geologist: Pennsylvania and Wyoming</p> <p>B.S., Geological Engineering, Colorado School of Mines</p> <p>M.S., Geological Engineering, Washington State University</p> <p>Ph.D., Geological Engineering, Colorado School of Mines</p> <p>MSHA Surface Miner</p>	<p><b>Senior Project Manager, Hydrogeologist, Engineer, and Quality Assurance Officer</b>, 2015 – present. Dr. Zlatev brings more than 25 years of experience in environmental engineering, focused on groundwater investigation and remediation. For the last 10 years, his work primarily has been applying saturated and unsaturated groundwater flow and solute transport modeling to a wide variety of hydrogeologic challenges. These efforts have included hydrogeologic assessment for mine-water supply development, simulation of mining operational, closure and post-closure periods for permitting, and fluid management in leach pad operations for stability assessment.</p> <p>He has performed Phase 1 and Phase 2 Environmental Site Assessments (ESAs) and due-diligence investigations at commercial and industrial sites across the U.S. He has provided engineering design, oversight, and project management services for sites undergoing remedial actions under RCRA, CERCLA, the Nuclear Regulatory Commission (NRC), and state regulations. This work has included field investigations and flow modeling at hazardous and low-level radioactive waste sites and wood treating facilities. He also has provided his specialized services on projects at a variety of federal facilities, including the Tooele Army Depot (UT), Fort Belvoir (VA), F.E. Warren Air Force Base (WY), and Fort Carson and Peterson Air Force Base (CO), as well as projects in Australia, France, South America, and across the U.S.</p>
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***SWIFT RIVER LOCATIONS***

**Anchorage (Corporate)**

4300 B Street  
Suite 405  
Anchorage, Alaska 99503  
Contact: Winona Beesing  
Contact Number: (970)771-8282

**Colorado**

26 West Dry Creek Circle  
Suite 470  
Littleton, CO 80120  
Contact: Cathryn Stewart  
Contact Number: (720) 449-6402

**Alaska (Operations)**

310 K Street  
Suite 200  
Anchorage, AK 99501  
Contact: Catherine Shuman  
Contact Number: (907) 360-7417

**California**

110 Railroad Avenue  
Suite B  
Suisun City, California 94585  
Contact: Kristina Viado  
Contact Number: (707) 427-3209

**Our Website:**

[www.swiftriveres.com](http://www.swiftriveres.com)



**OUR CORPORATE HISTORY**

**Swift River** is a wholly-owned subsidiary of *The Kuskokwim Corporation (TKC)*. TKC, an Alaska Native Corporation with more than 4,000 shareholders, was formed in 1977 with the merger of 10 village corporations created under the Alaska Native Claims Settlement Act. Our shareholder villages are located along the middle region of the Kuskokwim River and include Lower Kalskag, Upper Kalskag, Aniak, Chuathbaluk, Napaimute, Crooked Creek, Georgetown, Red Devil, Sleetmute, and Stony River. TKC owns surface rights to more than 950,000 acres in the middle Kuskokwim region.



**Swift River** is a component of the *Construction, Environmental and Engineering Business Sector* that is consolidated under TKC subsidiary and holding company, **TUMEQ, LLC** ([tumeq.com](http://tumeq.com)).

