



CAYUSE ENVIRONMENTAL



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Cayuse Environmental (Cayuse) is wholly owned by the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) and provides varied services, allowing us to build mutually beneficial partnerships with our customers across the globe. We offer a wide spectrum of environmental and engineering services including infrastructure engineering, environmental remediation, environmental conservation, environmental compliance, pollution prevention, and environmental operations and maintenance services. In delivering these services to our clients, we provide operational efficiencies, cost savings and consistent quality.

www.cayuseenvironmental.com

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CORE CAPABILITIES:

Environmental Investigations & Remediation

- CERCLA and State Program Investigations
- Environmental Remediation Feasibility Studies
- Remedial System Design, Installation, Operation and Maintenance
- Long-Term Monitoring and Optimization

Environmental Compliance Management

- Environmental Assessments
- Natural Resources Management
- National Environmental Policy Act (NEPA) Support

Unexploded Ordnance (UXO) Support Services

- UXO Escort
- UXO Anomaly Avoidance
- UXO Construction Support
- Munitions and Explosives of Concern (MEC) Consultation

Engineering and Surveying

- Infrastructure and Civil Site Design
- Surveying and Mapping
- Transportation Design and Construction
- Unmanned Systems & Remote Sensing

Air Quality, Compliance & Greenhouse Gas Management

- Air Permitting
- Compliance and Auditing
- Fenceline Monitoring
- Greenhouse Gas Management
- Leak Detection and Repair

Water Resources

- Water Resource Planning & Management
- Water Supply Development & Modeling
- Water Supply Distribution & Treatment
- Wastewater Treatment & Collection



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The Cayuse Family of companies are wholly owned by the Confederated Tribes of the Umatilla Indian Reservation.



EXPERIENCE



Operational Environmental Services – Active Range

Cayuse manages operations at one of the nation's busiest U.S. Air Force training ranges, skillfully and cost-effectively. We provide highly varied and consistently exceptional services in UXO removal from range areas, UXO characterization and packaging for recycling, target maintenance and construction, sortie scheduling, hazardous materials management, heavy equipment repair and maintenance, electronics repair and maintenance, roads and grounds maintenance and other duties. Cayuse administers the annual facility expense budget of over \$300,000 to ensure supplies and services necessary for range operation are procured timely and efficiently. Since 2012, Cayuse has staffed this 14,000+ acre site supporting training missions which hone the skills of U.S. and allied military aviators, and supporting service members with real-world target replications.

Unexploded Ordnance Support Services

Cayuse provides services supporting activities taking place in UXO-impacted locations. Utilizing both terrestrial and downhole magnetometry, our staff ensures the safe execution of a variety of activities performed in areas where UXO is a concern:

- Roadway Construction
- Underground Utility Construction
- Geotechnical Investigations
- Archaeological / Cultural Resources Surveys
- Intrusive Environmental Sampling Investigations
- Land Survey and Monument Installation
- Vegetation Control

Municipal Water PFAS Treatment

Cayuse completed a CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) Non-Time-Critical Removal Action for contaminated municipal drinking water for the city of Fountain, Colorado. Designed and constructed for integration with Fountain's existing municipal water treatment infrastructure, the Cayuse system treats approximately 1,500 gallons per minute of municipal drinking water contaminated with perfluorinated alkyl substances (PFAS) including perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) at levels exceeding the applicable U.S. Environmental Protection Agency Health Advisory Level of 70 parts per trillion.

UXO Demolition

Cayuse provided Hawaii-licensed explosives blaster staff to manage and document demolition of Materials Presenting Potential Explosive Hazard (MPPEH) recovered from the Waipio Peninsula Confined Disposal Facility. As a Bureau of Alcohol, Tobacco, and Firearms explosives license holder, we procured and supplied donor explosives required to conduct the demolition operations. Cayuse performed eighteen demolition events performed over the span of 18 months, disposing of over 1,260 pounds of explosive material without incident.

CERCLA Environmental Investigation / Feasibility Study

Cayuse has experience conducting Remedial Investigation / Feasibility Study (RI/FS) efforts in compliance with CERCLA. For the 4,000-acre former Waikoloa Maneuver Area - Area E site, Team Cayuse designed and conducted an RI to characterize the nature and extent of munitions and munitions constituents present due to historical military training activities. Cayuse performed field activities necessary to meet the data quality objectives defined during the Technical Project Planning process. Cayuse prepared a conceptual site model, used a geographical information system for data management and analysis, amended the existing property-wide Explosives Safety Submission and project-specific Explosives Safety Plan, prepared an Environmental Protection Plan, provided community outreach support for the U.S. Army Corps of Engineers (USACE), maintained the publicly-accessible Administrative Record, and created Proposed Plan and Decision Document submittals detailing the planned remediation for Area E.

Environmental Compliance Sampling

Cayuse performs quarterly underground injection control well compliance sampling at a Pacific island location requiring management of tight timelines for sample collection and shipping. We coordinate with local staff to efficiently perform sampling without disruption to facility operations, meet short holding times and generate detailed reports documenting field activities.

Community Relations Support

Cayuse manages and coordinates USACE Restoration Advisory Board meetings, providing an opportunity for the community and stakeholders to be involved in the Waikoloa Maneuver Area environmental restoration process. These semi-annual meetings are conducted in physical, virtual and hybrid formats with Cayuse performing all aspects of meeting coordination from creation and update of comprehensive planning checklists, to facilitating creation of presentation slide decks, to arranging venues and audio-visual services. Cayuse also conducted environmental awareness training events for impacted populations, including for school-aged children and during public events (e.g., community festivals and fairs), and was responsible for receiving associated promotional items and assembling "take away" bags for training attendees.

Former Army Bazooka Range Munitions Removal Action

Cayuse provided the services necessary to remove munitions from the Pohakuloa Training Area Former Bazooka Range located on the Island of Hawaii. We performed a surface clearance for just over 60 acres of active military range land situated on unstable volcanic rock, coordinating the activities of multiple specialty subcontractors. The location's challenging terrain, ground surface, and client requirements for expedited project completion required deployment of unique techniques and resources to safely and efficiently execute the work. Cayuse deployed tracked heavy equipment to move items to established central collection points, with helicopters used to move collected items off the mountain to the final inspection and containerization point. Team Cayuse demolished "Material Documented as an Explosive Hazard" on site and removed 26 tons of "Material Documented as Safe" from the project area for recycling. Cayuse completed this challenging work scope in 35 days from notice-to-proceed to demobilization with zero safety incidents.



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