



CAYUSE ENVIRONMENTAL

Cayuse Environmental (Cayuse) is wholly owned by the Confederated Tribes of the Umatilla Indian Reservation (CTUIR) and offers a diverse set of services to build mutually beneficial partnerships with our customers across the globe. Cayuse has teamed with Trihydro Corporation (Trihydro) to offer a wide spectrum of environmental and engineering services to our clients requiring engineering infrastructure, environmental remediation, environmental conservation, environmental compliance, pollution prevention and environmental operations and maintenance services. Team Cayuse will bring these services to our clients providing efficiencies, cost savings and consistent quality.



CORE CAPABILITIES



Water Resources

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



Engineering and Surveying

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



Environmental Compliance Management

- NEPA
- Environmental Assessments
- Natural Resources



Environmental Investigations & Remediation

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



Air Quality, Compliance & Greenhouse Gas Management

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

The Cayuse Family of companies are wholly owned by the Confederated Tribes of the Umatilla Indian Reservation with a 40,000 sq. ft. state-of-the-art technology center headquartered near Pendleton, Oregon.

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POC

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Annual Revenue: \$75M
Number of Employees All Subsidiaries:
Approximately 600

• PRODUCTS • SERVICES • SOLUTIONS •

EXPERIENCE

Water System Master Planning

Team Cayuse conducted Level I and Level II Water Master Plans for the City of Sundance, Wyoming. Work for this project included inventory and evaluation of the existing Sundance water system, creation of a geographic information system for data collection and analysis, preparation of a hydraulic water distribution model, and review of water source data, water quality and water rights. The hydraulic water distribution model was used to determine system deficiencies and immediate and future build-out concerns. Team Cayuse recommended improvements to the system and provided a priority ranking for decision-makers to use in the planning effort in their final Master Plan. Based on recommendations from the Level I Water Master Plan, a Level II study was undertaken. Tasks associated with this study included evaluating viability of the wells in the Cole Well Field, evaluating a water transmission pipeline extension from the Cole Well Field, and analyzing potential improvement to an existing pump station.

Operational Environmental Services – Active Range

Operations at the nation's busiest Air Force primary training range are managed skillfully and cost-effectively by Team Cayuse, who provides highly varied and consistently exceptional services in maintenance, construction, sortie scheduling, hazardous materials management, UXO removal / characterization and other duties. Since 2012, Team Cayuse has staffed the 14,000+ acre site to support training missions honing the skills of military aviators and related servicemen in real-world target replications.

Roadway Infrastructure Design

Team Cayuse completed the Wyoming Department of Transportation Laramie Street (Union Pacific Railroad Overpass) Project. Project tasks included a reconnaissance study, providing assistance with the Environmental Assessment process, environmental investigation and demolition recommendations for site contamination associated with a former petroleum refinery, roadway design, utility design (water, sanitary sewer, and stormwater drain), public involvement and preparation of final construction plans. This project won the Wyoming Engineering Society's President's Project of the Year Award in February 2019.

Municipal Water PFAS Treatment

Team Cayuse performed a CERCLA (Comprehensive Environmental Response, Compensation and Liability Act) Non-Time-Critical Removal Action (NTCRA) 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 Team Cayuse system treats approximately 1500 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 U.S. Environmental Protection Agency (EPA) Health Advisory Level (HAL) of 70 parts per trillion.

CERCLA Environmental Investigation / Feasibility Study

Team Cayuse has experience conducting Remedial Investigation / Feasibility Study (RI/FS) efforts in compliance with CERCLA (Comprehensive Environmental Response, Compensation and Liability Act). 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 Explosives of Concern and Munitions Constituents (MC) present due to historical military training activities. This work included all field activities necessary to meet the data quality objectives defined during the Technical Project Planning process, except for those addressing MC. Team Cayuse prepared a conceptual site model, utilized 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, maintained the publically-accessible Administrative Record, and created Proposed Plan and Decision Document submittals detailing the planned remediation for Area E.

Surveying and Mapping

Using state-of-the-art surveying equipment for surveying industrial, commercial, and municipal projects of all varieties and sizes, Team Cayuse offers a broad range of survey services including boundary, control, American Land Title Association / American Congress on Surveying and Mapping (ALTA/ACSM) Land Title Surveys, topographic surveys for design, construction staking, route alignment, oil and gas well infrastructure surveying and design, subdivision platting, easement preparation, and residential lot surveys. Computer aided design and geographic information system resources assist with preparation of plats and exhibits providing a swift seamless and uniform "field to finish" operation.

Utility Engineering and Consulting Services

Team Cayuse is qualified and well-positioned to provide engineering and consulting services related to the utility needs of our clients. We offer a variety of supportive engineering, environmental and surveying services, including facility decommissioning, quality assurance, NPDES compliance, settling pond rehabilitation, and landfill impoundment design and construction.

NEPA and Ecological Studies

Team Cayuse has experience performing NEPA Programmatic Environmental Assessments and other ecological and environmental studies. We have performed ecological risk assessments, health risk assessments, threatened and endangered species surveys, raptor surveys, wetlands delineations, solid waste characterizations, inflow/infiltration modeling, and recycling program studies. We've performed this work for highly varied types of clients in locations such as the Wind River Reservation in Wyoming, Fort Belknap and Fort Peck Indian Reservations in Montana, Fort Berthold Indian Reservation in North Dakota, Daniel Boone National Forest, Black Hills National Forest and for numerous U.S. Army and U.S. Air Force facilities.