

GRAM Northwest, LLC

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STATEMENT OF QUALIFICATIONS Geo-Environmental Services



GRAM
NORTHWEST, LLC

ABOUT GRAM NORTHWEST, LLC



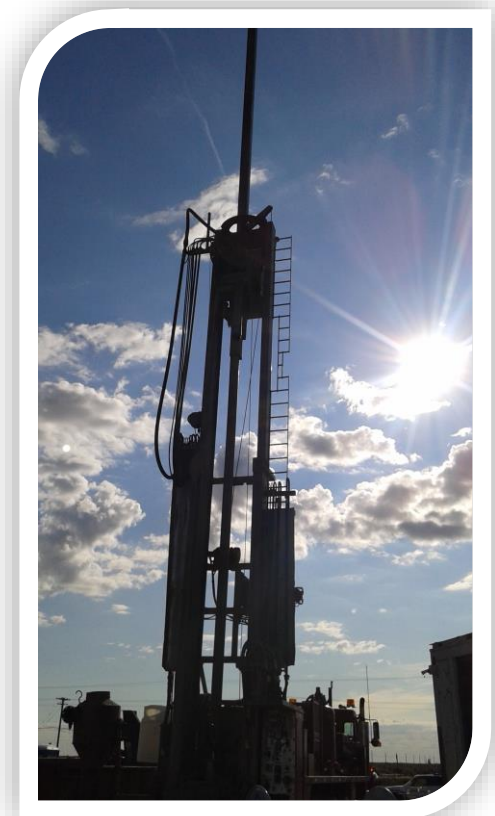
GRAM Northwest, LLC, located in Richland, Washington, was formed in January 2016 and was founded upon the legacy of GRAM, Incorporated (based in Albuquerque, New Mexico). With our client-focused culture, GRAM Northwest seeks to deliver quality services in the Northwest, providing clients with a broad range of technical expertise necessary for addressing today's complex environmental and cultural concerns.

GRAM Northwest meets the federal classification criteria for a “Woman Owned Small Business” and a “Small Business Enterprise.”

GRAM Northwest has over 150 years of combined experience related to environmental and cultural consulting. The staff operates as a team, drawing on the experience of personnel to provide consulting and engineering services to our clients. GRAM Northwest is primarily comprised of geologists and hydrogeologists, environmental scientists and engineers, archaeologists, technical writers and editors, GIS analysts, and project managers.

OUR EXPERTISE:

- **Engineering and Project Management**
- **Geo-Environmental Services**
 - 🌍 Environmental Site Assessments
 - 🌍 Hydrogeologic Analysis
 - 🌍 Site Characterization
 - 🌍 Well Drilling & Construction Oversight
- **Technical Services**
 - 🌍 Programmatic Plans and Procedures
 - 🌍 Project-Driven Reports
 - 🌍 Technical Writing and Editing
 - 🌍 Geographic Information Systems
- **Cultural & Archaeological Services**
 - 🌍 Construction Monitoring
 - 🌍 Cultural Resource Reporting
 - 🌍 Desktop Reviews
 - 🌍 Literature Reviews
 - 🌍 Pedestrian Surveys and Subsurface Testing



GEO-ENVIRONMENTAL SERVICES



GRAM Northwest has over one-hundred years of combined professional experience providing geo-environmental and engineering support for projects in the western United States.

All work is overseen by our well-qualified and experienced Principal Engineer, Senior Geologist, and Field Geology Lead who are, respectively, registered in the State of Washington as Professional Engineer, Licensed Geologist, and Geologist-in-Training. Each is well-versed in federal and state regulations relevant to geo-environmental investigations and remedies, including the Resource Conservation and Recovery Act (RCRA); Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA); and various others.

With extensive experience in geo-environmental fieldwork, our Principal Engineer supervises all environmental projects and provides support through field oversight, client interaction, and mentorship of junior staff. While managing and working with complex projects, our environmental professionals organize, facilitate, lead, and participate with federal, state, and local governments and agencies, local communities, private companies, and other project personnel.

The GRAM Northwest team has considerable experience working with a variety of clients from both public and private sectors. These clients include the federal government, cities, counties, ports, irrigation districts, educational institutions, land developers, agriculture, and commercial and residential construction. Geo-environmental work performed for these clients includes the planning and oversight of groundwater injection, extraction, and monitoring well installations; Phase I and Phase II environmental site assessments (ESAs); remedial design and implementation; environmental sampling; and geotechnical testing.

PROJECT EXAMPLES

U.S. Department of Energy's Environmental Cleanup Project at the Hanford Site:

Oversight of Characterization Projects and of Groundwater-Well Installations in Richland, Washington

Client:
Central Plateau Cleanup Company,
2020-present
CH2M Hill Plateau Remediation Company,
2016-2020

GRAM Northwest, since its inception, has consistently overseen various groundwater well installations at the Hanford Site. Oversight includes drafting of planning documentation, as well as performing technical guidance related to drilling, sampling, installation, and development.

Activities consist of geologic logging and sampling of drill cuttings, geotechnical testing, and the drafting of Field Summary Reports. FSRs include analytical results, data evaluations, and geologic interpretations of the samplings.

State of Washington's Department of Ecology Superfund Site at the Pasco Sanitary Landfill:

Oversight of the Zone A Removal Action Project in Pasco, Washington

Client:
PBS Engineering and Environmental
for IWAG III,
2020-2022

GRAM Northwest provided the Resident Engineer and Construction Manager to the Zone A Removal Action Project at the Pasco Sanitary Landfill, overseeing all aspects of the removal of thousands of drums containing industrial waste, along with the removal of contaminated soil.

Activities included planning and construction, contract development and execution, documentation of the cleanup activities, and oversight of day-to-day operations and of other site activities.

Port of Pasco, Washington's Land Development at the Tri-Cities Airport:

Performance of a Phase I Environmental Site Assessment in Pasco, Washington

Client: J-U-B Engineers, Inc for the Port of Pasco, *2023*

GRAM Northwest provided a Phase I ESA to support the development of over 460 acres of land at the regional airport.

Activities included reviews of the site's history and of nearby facilities, a survey of the project area, the identification of potential environmental liabilities, and authoring a written report to provide to the client.

KEY PERSONNEL



Nathan Bowles, PE **Operations Manager and Principal Engineer**

Mr. Bowles oversees all contract development, as well as day-to-day operations for GRAM Northwest. He has a Bachelor of Science in Chemical Engineering, as well as graduate coursework in Environmental Engineering, from the University of New Mexico. Mr. Bowles is a Registered Professional Engineer (Civil Engineering with Environmental Emphasis) in the State of Washington.

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Les Walker, LG **Senior Geologist**

Mr. Walker acts as a Senior Geologist for geo-environmental work at GRAM Northwest. He has a Bachelor of Science in Geology, as well as a Bachelor of Science in Integrated Plant Science, both from Washington State University. Mr. Walker is a Licensed Geologist in the State of Washington.

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Dan Charbonneau, G.I.T. **Geology Field Lead**

Mr. Charbonneau acts as the Geology Field Lead for geo-environmental work at GRAM Northwest. He has a Bachelor of Science in Environmental Geosciences from Central Washington University. Mr. Charbonneau is recognized as a Geologist-in-Training in the State of Washington.

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