General Qualifications Statement

PBS

Engineering + Environmental

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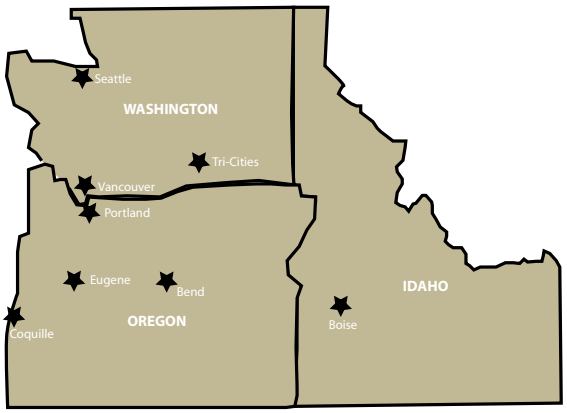
pbsenv.com

Services

- Health & Safety
- Geo-Environmental
- Geotechnical Engineering
- Civil Engineering
- Environmental Engineering
- Natural Resources

Offices



Portland
503.248.1939

Eugene
541.686.8684

Vancouver
360.690.4331

Tri-Cities
509.735.2698

Seattle
206.233.9639

Bend
541.388.9290

Boise
208.344.3539

Coquille
541.347.5923

PBS | Engineering + Environmental

Firm Introduction

PBS PROFILE

- Established 1982
- Multiple Northwest Offices
- 120 Staff Members
- Headquartered in Portland
- Full-Service Environmental, Geotechnical, and Hazardous Materials Consulting

MAJOR SECTORS WE SERVE

- State, Local & Federal Agencies
- Schools and Universities
- Architects and Planners
- Energy Development
- Parks and Recreation
- Private Developers
- Healthcare

PBS | Engineering + Environmental

Firm Introduction

PBS Engineering + Environmental (PBS) provides professional consulting and project delivery services throughout our eight offices in Oregon, Washington, and Idaho. PBS offers a broad range of professional services with a staff of over 120 professionals. We pride ourselves in offering quality, local staff and responsive services to public and private clients.

Services Provided

Health and Safety provides building-related environmental and industrial hygiene assessments; AHERA inspections, training, risk assessments, hazardous building materials inspections including asbestos, lead, PCBs, and mercury. In addition, the group provides abatement design, training and indoor air quality investigations including fungal evaluations.

Geo-Environmental services combine our skills in geology, groundwater, toxicology, and engineering. These services include site acquisition investigations (Phase I/II), soil/groundwater and soil gas testing; underground storage tank removal and contaminated site strategies; remediation, and regulatory agency coordination.

Geotechnical Engineering is provided by our in-house staff providing analysis, drilling, and testing for engineering projects. We specialize in seismic ground motion studies, mitigation, landslides, geologic mapping, instrumentation installation and maintenance, geophysical explorations, and construction oversight.

Civil Engineering allows PBS to provide cost-effective design and permitting solutions for our Clients. Our staff members effectively address the complex permitting process with local, state, and federal agencies. Services include preparation of site plans, grading/erosion control, stormwater management, utilities, and right-of-way design.

Environmental Engineering staff focus on solutions that allow fixed facilities to be in compliance with regulatory guidelines. Our services range from stormwater system improvements for existing facilities and environmental design; to securing environmental permits for air, wastewater, hazardous waste, and stormwater.

Natural Resources consulting provided by PBS includes site planning, wetland planning, botanical surveys, stream and wetland restoration; fish/wildlife evaluations, environmental assessments, permitting, and construction monitoring.

Relevant Experience

Coos County Roadway Stabilization

Coos County, Oregon

CLIENT

Coos County Highway Department

SCOPE OF SERVICES

Geotechnical Investigation

Stabilization Design

Civil Engineering Support

Construction

Since 2005, PBS has been providing on-call engineering and environmental consulting services to Coos County for its 650 mile road system as well as its 90-mile-long, high-pressure, gas pipeline system. In December 2005, Coos County was hit with a large storm event that resulted in nearly 50 roadway failures throughout the County Road System.

As part of this on-call contract, PBS has provided investigation and design services for the following projects:

- Old Broadbent Road Slide
- Daniel's Creek Road Slide
- 14 Emergency Slides in 2006
- 6 Emergency Slides in 2007
- Numerous Slides in 2008

The remedial designs included pile supported walls, MSE walls, soil nail walls, and road re-alignments.

WSDOT I-405, I-5 to SR-167 Stage 1 Widening Design/Build Project

Renton, Washington

CLIENT

David Evans & Associates

SCOPE OF SERVICES

Environmental Compliance Plans

Compliance Monitoring & Training

Agency Coordination

Wetlands Delineation

Stream Diversion Oversight

Stream Mitigation

Permitting

Roadside Restoration Design

PBS provided on-site full-time environmental compliance inspection and acted as the environmental compliance manager on the project.

The project added various northbound and southbound lanes, and will extend various existing lanes to the current start of the HOV lane. These additional lanes on I-405 increased the I-405 general purpose roadway capacity by fifty percent. Interchange improvements also relieved congestion. PBS' team worked full-time from the Renton field office to facilitate compliance with permits, interagency agreements, and agency directives. PBS received the 2010 WSDOT Partnership for Environmental Excellence in Construction Management Award for this project.

PBS | Engineering + Environmental

Relevant Experience

TriMet Various On-Call Services
Portland Metro, Oregon

CLIENT

TriMet

SCOPE OF SERVICES

Phase I Environmental Assessments

Fuel Tank Upgrades/Removals

Replacement Talk Design

Geotechnical Services

Industrial Hygiene Services

Exposure Studies

Ergonomic Studies

Since 2003, PBS has served TriMet on numerous on-call contracts for environmental and health and safety services. PBS has assisted TriMet with planning for environmental maintenance, Environmental Site Assessments, and upgrading fuel tanks at its facilities. Services included compliance review, assistance in selecting replacement tanks, oversight of tank removal, solicitation of replacement tank design, geotechnical services, and overall project oversight.

PBS' industrial hygiene contracts included the modeling of exposure scenarios associated with the trimming of graphite pantographs (sliding e-train conductors), measuring of air quality in TriMet facilities, evaluation of ergonomic stressors in TriMet's light rail cars, and study/logging of material safety data sheets (MSDS) at TriMet's facilities.

PBS also assisted TriMet in its response to the Environmental Protection Agency (EPA) regarding TriMet-owned properties and their potential contribution to the Portland Harbor Superfund site. A highly detailed document was prepared with carefully cited reference documents.

Mint Farm Power Plant
Longview, Washington

CLIENT

Puget Sound Energy

SCOPE OF SERVICES

Civil Engineering

Erosion Control Measures

Permitting

Environmental Engineering

Construction Monitoring

PBS was retained to complete a comprehensive design upgrade that addressed stormwater conveyance/ detention/treatment and hazardous spill containment at an existing natural gas power plant facility.

PBS provided a schematic design to submit to the City of Longview for a pre-application conference; prepared construction plans, stormwater technical information report, and industrial discharge engineering report; permitted the project to meet the local ordinances of the City and industrial stormwater discharge National Pollutant Discharge Elimination System (NPDES) requirements imposed by the Department of Ecology; bid support; construction monitoring; and prepared as-built drawings for submittal to the City.

PBS | Engineering + Environmental

Relevant Experience

CLIENT

WA Parks & Recreation Comm.

SCOPE OF SERVICES

Permitting Assistance

Wetland Delineation

Archaeological Surveys

Biological Assessments

Agency Coordination

Environmental Documentation

Washington State Parks And Recreation Commission On-Call Environmental Services

Puget Sound Region, Washington

PBS has provided the Washington State Parks & Recreation Commission with a wide variety of environmental and regulatory services needed to secure/acquire permits for construction of capital projects since 2001. PBS provides environmental field services, such as environmental surveys, wetland delineation, soil testing and other tasks. In addition, PBS oversees general archaeological services, such as initial surveys and reports on potential construction sites.

Other typical projects under this contract include SEPA documents; JARPA submissions; shoreline substantial development/use permit applications; biological assessment and evaluations; resource mapping; federal, state, local regulatory agency interface and other site-specific work. PBS prepared environmental approvals and permits for the replacement of 271 moorage buoy anchor systems located throughout Puget Sound.

CLIENT

PacifiCorp

SCOPE OF SERVICES

Environmental Assessment

Groundwater Sampling

Soil Sampling and Analysis

PacifiCorp Environmental Assessments

Centrailia, Washington

PBS has assisted PacifiCorp in the completion of various Phase I and Phase II Environmental Site Assessments in the Northwest. PBS has also provided on-call due dilligence for PacifiCorp substations.

Work has included a Phase II ESA at the Centralia Steam Plant and Coal Mine, formerly owned by PacifiCorp. The purpose of the investigation was to provide additional soil and groundwater environmental data for various areas of concern. The site investigations performed by PBS helped to further define the extent of remaining contamination, and guide cleanup remedial actions for compliance with Department of Ecology regulations.

PBS also conducted a Phase I Environmental Site Assessment (ESA) for a large property requiring environmental due diligence to allow the construction of electricity-generating windmills. The site was been developed with 16 windmill turbines with associated pad-mounted transformers; several temporary buildings were present, serving as office and maintenance facilities for the wind farm.

PBS Engineering + Environmental

Relevant Experience

CLIENT

Wells Fargo

SCOPE OF SERVICES

Asbestos/Lead Sampling

High Rise Abatement Design

Lead XRF Surveys

Comprehensive Asbestos Surveys

Project Design & Management

Air Monitoring

Thermal Imaging for Moisture

Indoor Air Quality Diagnostics

Mold Investigations

Remediation Oversight

UST Decommissioning

Soil & Groundwater Remediation

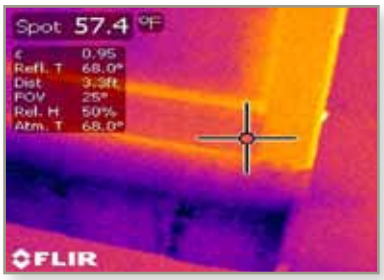
Geotechnical Engineering

Wells Fargo Bank

Pacific Northwest Region

PBS has served as the Northwest Regional Environmental Consultant to Wells Fargo Bank (WFB) Corporate Properties Division. Over the past 20 years, PBS has developed a master abatement specification and managed hundreds of asbestos and lead surveys and removal projects. PBS has managed the underground storage tank (UST) decommissioning of over a dozen sites throughout Oregon, Washington, Idaho, and Montana. PBS responds to employee complaints concerning air quality and other health and safety issues as directed by Wells Fargo facility staff. PBS also provides ongoing asbestos consulting services to both WFB corporate properties and facilities management groups for the 40-story Wells Fargo Tower in Portland, Oregon.

PBS is a key participant in the development of regional WFB policy regarding asbestos and lead sampling and abatement and indoor air quality investigations, specifically addressing mold investigation and assessment protocol. PBS also played a role in the development of company-wide policies and procedures addressing the general approach and methodology to hazardous material remediation, including the development and standardization of work area preparation, cleaning practices, decontamination procedures, visual inspection and clearance criteria for all WFB asbestos, lead, and mold remediation projects.



PBS utilizes infrared, thermal imaging technology as a forensic tool for WFB and other clients related to investigations including moisture intrusion, building envelope and construction defect, building exterior and roof surveys (reactive and preventative maintenance). It is also used during energy-related investigations and energy audits in conjunction with blower-door testing to document areas of air infiltration and heat loss to and from a structure.

PBS Engineering + Environmental

Relevant Experience

CLIENT

Deschutes County Department of Solid Waste

SCOPE OF SERVICES

Operation and Monitoring

Regulatory Compliance Plans

Characterization

Environmental Permitting

Closure Design

Financial Assurance Plans

Monitoring Plans

Operation Plan Design

Closure Plan Design

Financial Assurance Plan

Environmental Services for Deschutes Solid Waste

Deschutes County, Oregon

Based on our recent landfill and assessment experience, PBS approached this project with the goal of obtaining high-quality, representative groundwater monitoring data in an efficient manner. Sampling events were not only conducted as per the schedules outlined in the Oregon DEQ-approved Environmental Monitoring Plans (EMPs) for each of the landfill facilities, but additional "fail safe" quality control practices were put in place to ensure that the specified analytes are sampled for and are tested pursuant to the DEQ-approved schedules in the site-specific EMPs.

Reporting has been done on a regular basis and includes keeping abreast of groundwater chemistry trends and overall changes in the environmental conditions at the sites. Monitoring reports have been completed in a timely fashion following each groundwater monitoring event for County review and approval prior to submittal to DEQ. Semi-annual or quarterly monitoring reports included validated analytical groundwater data, field sampling sheets from landfill gas and groundwater monitoring, site maps, statistical analyses (as required), and the original laboratory analytical reports. The monitoring reports include a statement of compliance, discussion of field events, schedule of upcoming monitoring activities, and recommendations, if deemed necessary.

Project management has assured expedient communication with the County regarding all environmental issues that have arisen at any of the County's sites. Having a local Contract Manager based in our Bend office has allowed for communications (meetings, etc) to occur as frequently as necessary to meet the County's project needs. Also all field work has been conducted by the local field staff from the PBS Bend office. This has minimized travel time and expense and allows PBS to be more responsive to the County's needs.

Relevant Experience

CLIENT

Veterans Affairs

SCOPE OF SERVICES

Civil Engineering

Geotechnical Engineering

Environmental Design Services

Hazardous Material Abatement

Department of Veterans Affairs Ongoing Services

Pacific Northwest Region

PBS was the A/E consultant for the VA Medical Centers throughout Washington and Oregon, including locations in American Lake, Vancouver, Portland, Roseburg, in Vancouver, Washington and Portland, Oregon. Services having included a variety of environmental investigation, geotechnical, environmental engineering, and environmental health tasks.

CLIENT

University of Washington

SCOPE OF SERVICES

Asbestos/Lead/PCB Surveys

Abatement Cost Estimates

Design Specifications & Drawings

Construction Oversight

Construction Management

University of Washington

Seattle, Washington

PBS has completed over 400 projects, both large and small, for the University of Washington (UW) in the last twelve years as part of our term environmental contract with UW Capital Projects. PBS regularly provides pre-renovation asbestos/lead/PCB inspections, development of design documents, and provides abatement oversight and project management.

PBS often is called upon to address hazardous materials issues, indoor air quality concerns and other environmental tasks that arise during the course of project planning and construction.

PBS regularly interfaces with Engineering Services and Environmental Health and Safety staff to seek input, address client concerns and address projects of "inter-departmental" scope. PBS continues to serve the UW Capital Projects office on a variety of project types and using various contracting methods.

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Relevant Experience

CLIENT

HOK Architects

SCOPE OF SERVICES

Biological/Wetland Evaluation

Geotechnical Assessment

Construction Observation

Arboricultural Survey/Design

Groundwater Evaluation

Ground-Source Heat Exchange Study

Oregon State Hospital

Salem and Junction City, Oregon

As a member of the design team charged with designing a new State Hospital, PBS conducted a comprehensive due diligence study on the site, and brought our previous experience at the site to the design and construction team as they worked toward redevelopment. This project represents the wide range of capabilities PBS brings to a project of this scale. Services included:

- Comprehensive arboricultural assessment of the site which will be used to inform the design team on which trees can be incorporated into the redevelopment, as well as guidance to the facility staff on to how to manage trees over the long term.
- Performed initial geotechnical investigation and now performing on-going construction observation as existing buildings are razed and new site improvements are made.
- Wetland delineation which identified several isolated wetlands which the design team was able to avoid, thus avoiding a costly and time-consuming permit process.
- Water well inventory, water rights analysis and study to determine the feasibility of employing a ground-source coupled HVAC system on the site.
- An off-site source of soil/groundwater contamination was identified which will require additional assessment and consideration during design and construction;

PBS was also selected by the Oregon Department of Corrections to provide engineering and natural resource services for the proposed Junction City Prison, north of Eugene, Oregon. The project included over 100-acres of wetland fill, with PBS managing the creation, enhancement, and restoration of 70 acres of Willamette Valley farmland.

Coordination with the 12+ person DOC prison design team requires responsive project management. PBS staff produced a wetland construction package with existing and proposed conditions, fine-grading plans, planting plans, custom seed sourcing, stormwater and groundwater modeling and monitoring, special wetland hydrologic modeling, and wetland mitigation quality control.

PBS | Engineering + Environmental

Relevant Experience

CLIENT

Medford School District

SCOPE OF SERVICES

Asbestos Management Plan Review

Hazardous Materials Inspection

Asbestos Abatement Specifications

Asbestos Abatement Bidding

Exterior Paint Assessment

Paint Sampling

Underground Fuel Tank Location

Wetland Delineations

Wetland Mitigation

Medford School District

Medford, Oregon

Since 2008, PBS has provided Medford School District with comprehensive environmental consulting services in conjunction with the District's $189 million school improvement bond measure projects. PBS has provided comprehensive hazardous materials site evaluations for 18 school sites. The evaluations included identification, mapping, sampling, and quantifying asbestos-containing building materials, lead-containing paint, and PCB, and mercury-containing electrical fixtures. PBS developed hazardous materials abatement specifications and bid documents for each site during the design phase while working in close coordination with District project managers and architects.

PBS participated in pre-bid meetings and conducted pre-bid site walkthroughs with prospective abatement contractors during the bid phase, and prepared technical addenda to the project specifications, as needed. During the construction phase, PBS performed project oversight duties to ensure proper implementation of the scope of work for each site and conducted post-abatement visual inspections and air-clearance monitoring in accordance with AHERA requirements. Upon completion of abatement work, PBS prepared project closeout reports documenting the materials removed at each site, final disposition of regulated waste, all air-monitoring data and other pertinent information for District recordkeeping.

PBS was also contracted by the School District to complete wetland delineations, wetland functional assessments, 404 Joint Removal/Fill permit application, wetland mitigation plan, NPDES 1200-C permit application, construction drawings, construction cost estimates, bid documents, and permit modifications. PBS also helped with the search for a suitable wetland mitigation site and managed archeological surveys.

Relevant Experience

CLIENT

Multnomah County

SCOPE OF SERVICES

Environmental Program Development
EH&S Gap Audits
Ongoing SPCC Compliance Support
UST Management Program
Database Program Development
Asbestos Surveys and Program Development
Indoor Air Quality Investigations
Lead Compliance Programs
Landfill Construction Engineering
Green Building Design Services
Abatement and Demolition Design
UIC Program Compliance
Abatement and Demolition Design
Civil Engineering
Inspection and Testing Procedures
On-Site Training

Multnomah County Facilities On-Call Contract

Multnomah County, Oregon

PBS has been the environmental consultant for the Multnomah County's Facilities and Property Management Division since 1986. Our staff has completed numerous projects for County buildings, bridges, and landfill sites. PBS has assisted the County with building forensic (IAQ) studies, developed material safety data sheet (MSDS) tracking software, prepared contract specifications for hazardous waste handling, performed lead abatement design studies, provided stormwater management planning, and conducted Phase I and II Environmental Site Assessments.

Other services provided by PBS included a complete asbestos management program, with initial surveys prioritizing building areas of concern for their 100+ sites, providing them with budgeting information for their comprehensive program manual. We developed a computer software program, which keeps track of activity records and costs and allows assessment of a building hazard rating.

PBS has provided building design guidance to County A/E teams on various projects such as the $25 million renovation of the Main Library in Portland. PBS was retained to provide design and construction monitoring for the complete abatement and deconstruction of this 40,000 square foot Morrison building.

PBS has also been assisting Multnomah County since 2002 in maintaining compliance with federal SPCC regulations (40 CFR 112) for their applicable facilities. PBS has developed SPCC Plans for nine different County facilities used for fleet vehicle maintenance, road maintenance, vehicle refueling, or emergency power generation.

Relevant Experience

CLIENT

Housing Authority of Portland

SCOPE OF SERVICES

Asbestos & Lead Surveys

Phase I ESA

UST Investigations

Indoor Air Quality Assessments

Fungal Assessments

Project Design and Management

Worker Training

NEPA Consulting

Geo-Environmental Services

Geotechnical Consulting

Housing Authority of Portland

Portland, Oregon

Since 2001, PBS assisted the Housing Authority of Portland (HAP) in developing a hazardous materials management program by providing a managed approach to hazardous materials. PBS has worked closely with facilities staff to identify needs and develop a plan to address asbestos and lead issues associated with public housing facilities. PBS developed and provided training and program development for HAP staff and then systematic evaluation of asbestos in HAP-owned and managed properties.

PBS also assisted HAP with environmental due diligence on properties being considered for acquisition. In the event that environmental concerns are identified, PBS then follows up with appropriate investigative tools including geophysical surveys, GeoProbe soil investigation, underground storage tank removal and cleanup.

CLIENT

Washington E&AS

SCOPE OF SERVICES

Asbestos/Lead Surveys

PCB/Mercury/UST Surveys

Abatement Cost Estimating

Design Specifications & Drawings

Construction Oversight

Abatement and Mold Remediation

Turnkey Remediation

Waste Disposal

Indoor Air Quality Assessments

PCB Soil Remediation

Chemical Inventory Management

Washington Department of General Administration

Statewide, Washington

Since 2002, PBS has provided support to the Washington Department of General Administration (DGA) as their on-call hazardous materials consultant.

PBS has worked with numerous E&AS Project Managers throughout Washington on a variety of renovation/ demolition projects and Phase I/Phase II Environmental Site Assessment investigations. PBS has performed hazardous materials investigation and abatement design on the full spectrum of State facilities including higher education, administrative, correctional and other various departments.

PBS Engineering + Environmental

Staff Qualifications

Ronald J. Petti
CEO

EDUCATION

- B.S., Business/Construction Engineering, Oregon State University

Mr. Petti began his career as a project manager with PBS Engineering + Environmental in 1988. He has led the growth and diversification of his firm from a three-person, single-service firm to a multi-state, full-service engineering firm with a 120 person staff operating in Oregon, Washington, and Idaho.

Ron oversees marketing, new service development, human resources and client retention programs. Mr. Petti's years of project experience and hands-on management style are often relied upon by PBS' key clients. In concert with PBS' ownership team, Ron ensures adequate resources are allocated to all offices. Mr. Petti's technical expertise is grounded in building sciences, environmental compliance, manufacturing, recordkeeping systems and waste reduction programs for large, multi-facility organizations.

Guy Neal, PE
President/Environmental and Civil Engineer

EDUCATION

- B.S., Construction Engineering Technology, Montana State University

ACCREDITATION

- LEED Accreditation, U.S. Green Building Council
- Professional Environmental Engineer (OR, WA, ID, HI)
- Professional Civil Engineer (OR, WA, ID, NV, HI)

Mr. Neal is a civil and environmental engineer specializing in storm water design and interpretation of environmental regulations for our clients. He has significant experience in negotiating with regulatory agencies on behalf of industrial clients, public agencies, municipalities and jurisdictions throughout Oregon and Washington.

His designs have included innovative approaches to detaining and treating storm water from new developments and from process areas at manufacturing facilities. Guy specializes in interpretation and implementation of storm water regulations for our clients. For more than 22 years, he has managed significant projects in Oregon, Washington, Montana and Idaho.

Mr. Neal is the principal in charge of PBS' engineering division, which provides geotechnical, civil, environmental, and ACAD/GIS services to our clients. He oversees the civil and environmental engineering design for site development (utilities, road improvements, foundations), public lands improvements, stream restoration, treatment system design, hazardous waste management unit design, and other projects involving civil, geotechnical and environmental expertise.

PBS | Engineering + Environmental

Staff Qualifications

Dulcy Berri, RG, LG, LHG
Principal Hydrogeologist

EDUCATION

- M.S., Geology, Portland State University
- B.S., Geology, University of Oregon

ACCREDITATION

- Registered Professional Geologist/ Hydrogeologist (WA)
- Registered Geologist (OR)
- Registered Professional Geologist (ID)

Ms. Berri is a senior hydrogeologist with 20 years experience performing studies throughout the Northwest. She has managed complex assessment and remediation projects for major oil companies, the Oregon Dept. of Corrections, the Port of Portland, and many private commercial and industrial clients. She has been contract manager for PBS' environmental services contract with the Portland Development Commission, and for our contract with Multnomah County.

Dulcy's technical experience includes managing complex due diligence issues; aquifer testing, design, installation and testing of groundwater monitoring and water supply wells; feasibility testing, design, construction and operation of soil and groundwater remediation systems; successful agency closure on numerous cleanup projects, including institutional controls, Risk-Based Cleanups, Prospective Purchaser Agreements, Voluntary Cleanup and Independent Cleanup programs. Dulcy is Principal of PBS' Geological Services Group and is responsible for program direction, quality control and quarterly training programs for staff.

Arlan Rippe, PE, GE
Senior Geotechnical Engineer

EDUCATION

- B.S., Civil Engineering, Oregon State University
- M.S., Soil Mechanics & Foundational Engineering, Oregon State University

ACCREDITATION

- Registered Professional Engineer (WA, OR)
- Registered Geotechnical Engineer (OR)

With over 30 years of consulting experience, Arlan Rippe has acquired a broad background in civil engineering and has specialized in geotechnical engineering for both public and private clients. His deep sense of professionalism, and business acumen, ethics, and values motivate him to crusade for technical excellence in all projects.

His experience includes: site investigations for slope stabilization, residential and commercial development; hydraulic facilities, pipelines, reservoirs, roads, building foundations, tieback shoring, underpinning, and earthquake mitigation designs. He has provided geotechnical engineering consultation and advice throughout Washington, Oregon, and Idaho.

In addition to his technical achievements and background, Mr. Rippe is professionally active, providing recognized leadership to the American Society of Engineers (ASCE) on numerous local, regional, and national boards and committees.

PBS | Engineering + Environmental

Staff Qualifications

Derek May

Principal, Health & Safety Services

EDUCATION

- B.S., Environmental Health & Industrial Hygiene, Brigham Young University

ACCREDITATION

- OSHA 40-Hour HAZWOPER
- AHERA Abatement Project Designer
- AHERA Inspector
- NITON XRF Lead Inspection Operator

Mr. May manages our Health and Safety Group and maintains his position as point of contact for many clients because he can quickly evaluate the extent of a client's needs and assign the appropriate experts to perform inspections and testing. Derek's success working on health and safety programs has allowed PBS to become a leader in this service area. Derek has been performing as one of PBS' top project managers for over 12 years and is an experienced industrial hygienist. He has extensive experience with managing both large and small municipal and other contracts for federal, state, and local government agencies.

Derek's professional approach to industrial hygiene has enabled him to work for many high profile clients such as US Bank, Port of Portland, U.S. Postal Service, and Oregon Department of Administrative Services, Multnomah County, as well as numerous school districts across the Northwest. He has the communications skills required to tackle difficult and sensitive projects concerning health and safety issues.

Brian Stanford

COO, Seattle Operations Manager

EDUCATION

- B.S., Geography, Emphasis in Land Use Planning, Oregon State University

ACCREDITATION

- Washington Certified Asbestos Supervisor Lead Inspector
- AHERA Building Inspector/Project Designer
- Washington State Underground Storage Tank Decommissioning

Mr. Stanford has been with PBS for over sixteen years and successfully managed PBS' Washing-ton offices since 1995. Under his management Brian has succeeded in solidifying PBS Engineering + Environmental's presence in the Northwest.

PBS has grown significantly under Brian's leadership and has evolved to be a leading hazardous materials management firm. Brian has assured that the Seattle office consistently provides attentive and thorough service while maintaining outstanding client relations. Brian has performed all the types of work he manages and as such can provide preview guidance to those supporting him.

Brian fosters an environment of communication, knowledge sharing and teamwork. Client service reigns supreme to Brian and his staff. Long-term high profile clientele confirm this policy.

PBS | Engineering + Environmental

Staff Qualifications

Thomas Archer, LEED AP

Project Manager, Planner

Mr. Archer specializes in managing diverse and interdisciplinary projects for our clients. For more than 15 years, Tom has managed a variety of significant projects throughout the Northwest. His experience working both as a consultant and as an owner's representative gives him a unique perspective from which to serve our clients.

Tom is experienced in managing professional staff providing environmental site assessments, site investigations, project planning and permitting, and regulatory reporting services. He has extensive experience in matters relating to property due diligence, site planning, real estate development, and construction management. Tom's broad range of experience allows him to recognize critical path issues early on in any project and utilize available resources to solve issues surrounding complex projects.

EDUCATION

- B.S., Geography, Emphasis in Land Use Planning, Oregon State University

ACCREDITATION

- LEED Accreditation, U.S. Green Building Council

Skip Haak, MS, CPESC

Senior Scientist

Mr. Haak has over 20 years of experience working as a consulting fish biologist throughout the Pacific Northwest. He has served as project manager or technical lead on a wide range of projects including transportation, waterfront development, hard rock and aggregate mining, dredging, park facilities, and utilities.

Skip's breadth and depth of experience allows him to communicate effectively with clients, regulators, and other technical professionals. With a good working relationship with all regulatory agencies, Mr. Haak has demonstrated an ability to move projects efficiently through the permitting process.

Other specific experience includes fisheries assessments, water quality analysis and modeling, erosion and sediment control plans, construction supervision, mitigation planning, compliance monitoring, and environmental documentation. He has experience writing documents to address Clean Water Act, Endangered Species Act, National Environmental Policy Act, and other environmental laws and regulations.

EDUCATION

- M.S., Natural Resources, University of Michigan
- B.S., Fisheries, Oregon State University
- B.S., Wildlife Science, Oregon State University

ACCREDITATION

- Certified Fisheries Professional (American Fisheries Society)
- Certified Professional in Erosion and Sediment Control

PBS Engineering + Environmental