

Polestar specializes in risk reduction and liability solutions with a focus on cleanup of high-hazard work environments to safely accelerate progress and reduce long-term costs.

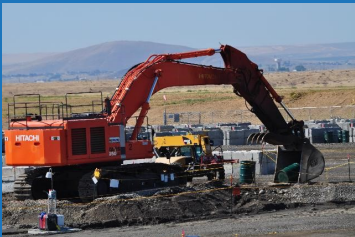
*Every challenge is unique; your success is our priority*

Polestar brings a full-service lifecycle approach to cleanup with proven processes, tools and people to make the vision real.

- Subject matter experts to develop, implement and verify critical technical approaches and programmatic functions
- Defensible processes and tools for a systematic and consistent approach
- Project management to start and keep projects on track

Our Hanford experience includes C, D, DR, F, H, KE/KW and FFTF reactors; PUREX, B Plant, PFP, REDOX, Low Level Burial Grounds and ERDF; River Corridor Facility Demolition and Field Remediation projects; Tank Farms and WTP.

Polestar draws on a wide variety of disciplines in start-up, surveillance, operations, engineering, decommissioning, remediation, environmental, nuclear safety, emergency preparedness and waste management to support projects.



*Remediation Solutions*



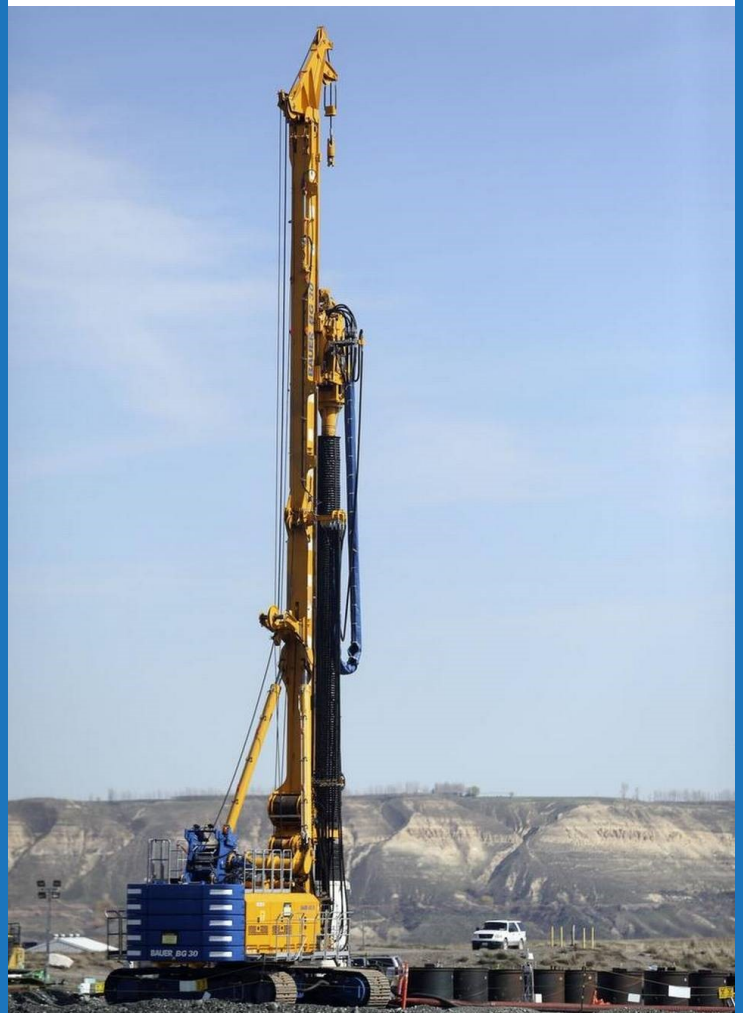
*Project Management*

### OUR NAICS CODES

- 541330 – Engineering Services
- 541611 – Administrative Mgmt. and General Mgmt. Consulting Services
- 541618 – Other Management and Consulting Services
- 541620 – Environmental Consulting Services
- 541690 – Other Scientific and Technical Consulting Services
- 541990 – All Other Professional, Scientific and Technical Services
- 561320 – Temporary Help Services
- 561410 – Document Preparation Services
- 562910 – Remediation Services
- 611430 – Professional and Management Development Training

# *Delivering Risk Reduction and Liability Solutions on the Central Plateau and River Corridor*

*Polestar was an integral part of the completing the 618-10 waste site remediation project — one of the most contaminated areas on the Hanford Site.*



# Proven processes and tools to support key mission objectives

## Innovative Solutions to Complex Problems

- 105KW fuel storage basin waste retrieval equipment and processing conceptual development
- Developed 618-10 Burial Ground waste retrieval tooling conceptual designs — supported fabrication, testing, implementation and waste retrieval operations for both the vertical pipe units and the burial ground remediation
- Authored remediation study evaluating 100 means and methods to determine the best remediation method for the 300-296 waste site

## Subject Matter Expertise

- SME design review for 60%, 90% and Final Design of 105KE Interim Safe Storage Enclosure Project
- Developed air emissions calculations, air monitoring plans and compliance evaluations:
  - 105KE / KW Reactors and 100K ancillary facilities
  - 324 Facility / 300-296 unplanned release waste site
  - Environmental Restoration Disposal Facility
  - Integrated Disposal Facility
  - 618-10 / 618-11 Burial Grounds
- Developed the 618-10 vertical pipe unit isotopic source term inventories, waste retrieval tooling conceptual designs, supported fabrication, testing, implementation and waste retrieval operations at both the vertical pipe units and burial ground remediation
- Provided resident engineer for safety analysis, emergency preparedness planning and non-destructive assay resources for waste retrieval, designation and disposition
- Developed and implemented training quals for Haz Cat 3 nuclear facility operators, technical support personnel and managers

## Processes and Tools

- 105KW Fuel storage basin D&D Plan
- Developed and implemented the Waste Operations Commitment Tracking System and requirements management database at ERDF
- Canyon facility risk mitigation planning and remedial action work plans for REDOX and B Plant
- Developing radiological and non-radiological Notice of Construction documents for the Integrated Disposal Facility
- Provided planning and technical expertise for burial ground remediation projects including 618-1, 618-7, 618-10, 618-11

## Project Management

- 324 B-Cell design, fabrication and testing of cameras, lights, remote excavator arms and HVAC dams and snorkels in preparation for remediation of 300-296 waste site
- REDOX ventilation system 60%, 90%, final design, fabrication and testing



**polestar**  
TECHNICAL SERVICES

*We deliver excellence;  
fine isn't good enough*

Polestar is registered with the Small Business Administration as a Women Owned Small Business



Polestar owners; Kathy Miller and Bill Bailey

## CONTACT US

Dawn Adams, Director Business Development  
(509) 946 - 8279  
Dawn.Adams@Polestartechnicalservices.com

Main Line: (509) 946-8279 or email us at:  
Polestar@Polestartechnicalservices.com  
Visit our webpage at:  
[www.polestartechnicalservices.com](http://www.polestartechnicalservices.com)

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