ENVIRONMENTAL SERVICES

Weston Solutions, Inc. remains committed to providing leading-edge and cost-effective solutions for our federal, state, local, and commercial clients' environmental investigative and remediation needs.

FULL LIFE-CYCLE SOLUTIONS

Protecting the environment and supporting our clients is part of our core competency, company values, and employee owners' passion. Weston has been a pioneer and continuous innovator in the development of remediation processes and technologies, including:

- PFAS sampling, analysis, and treatment protocols
- Early adopter and the largest investor in Advanced Geo physical Classification (AGC) technology
- Leader in High Resolution Site Characterization for comprehensive Conceptual Site Model (CSM)
- Integration of Enterprise Geospatial information to provide robust 3D conceptual CSM visualizations, real-time investigation results coordination, and expedited decision-making

We offer a complete range of environmental services to address threats to human health and ecosystems, whether that resides in air, soil, sediment, surface water, or groundwater. We work at sites spanning all types of environmental conditions, adapting to site-specific operational, technical, regulatory, and public requirements and challenges. Whether your project involves CERCLA, RCRA, and/or other applicable regulations, our experience enables us to develop innovative, defensible technical and regulatory solutions to exceed client and stakeholder expectations.

TECHNICAL CAPABILITIES AND EXPERTISE:

Our proven remediation technologies and geospatial modeling increase effectiveness and efficiency in meeting client and stakeholder objectives for these high-stake projects. Our on-time, on-budget project delivery includes:

- Munitions response
- Permitting and compliance
- Remedial investigation, site assessment, and characterization
- Environmental evaluation/cost analysis
- Non-invasive geophysical surveys
- Geospatial modeling, and fate and transport analysis
- Risk assessment
- Treatability testing
- Remedial design
- Remedial action
- Construction
- Decommissioning and demolition
- Operations & maintenance, monitoring, optimization
- Site closure
- Ecosystem restoration

ENVIRONMENTAL REMEDIATION SUCCESS

PFOS/PFOA Interim Mitigation at Stewart Air National Guard Base, Newburgh, NY – As part of a JV, Weston conducted a time-sensitive response to install, operate, and maintain an Interim Storm Water Treatment System (ISWTS) to treat stormwater contaminated with PFAS from prior aqueous film forming foam (AFFF) usage. Weston developed and implemented the interim mitigation system to create stormwater capacity and to treat surface water that previously connected to a potable water supply serving 10,000 people. The ISWTS is comprised of a floating pump, solids pretreatment system, and four treatment trains before discharge. Weekly effluent sampling for PFOS and PFOA has shown that the ISWTS has continually met project goals for discharge. Weston performed initial site reconnaissance; analyzed runoff; developed, procured, and installed an approved mitigation system; designed and implemented ancillary infrastructure required for operation; conducted startup and O&M; performed PFAS analytical monitoring; and supported community outreach. We continue to evaluate system optimization and improvements to enhance sustainability.

Munitions Remedial Action, Spring Valley FUDS, Washington DC – Highly complex, multi-year sitewide cleanup was conducted across 92 residential and commercial properties in a prestigious community and college campus involving hundreds of stakeholders, strong public interest, and had the potential of finding chemical warfare materiel. Weston worked closely with property owners to successfully negotiate access, preparation, and restoration requirements, perform full-coverage AGC, and investigate potential military munitions. Our DoD accredited geophysical classification organization detected and classified 58,817 anomalies using multiple Weston-owned Man-Portable Vector sensors and UXO Technicians conducted 2,946 source excavations. Use of this technology eliminated the need to investigate over 55,871 (95%) anomalies, which significantly reduced the schedule and overall burden to the property owners. Weston completed site-wide remediation work leaving the landowners pleased and their property fully restored.

Radioactive Waste Management, Sandia National Laboratories, NM – For over 19 years, Weston has managed the operations at the Sandia Radioactive and Mixed Waste Management Facility for radioactive, mixed, transuranic, classified, and explosive waste. Our activities include radioactive and chemical characterization support, pickup, movement, packaging, and storage of waste, on-site sorting and treatment, and final off-site shipment to disposal and/or other treatment facilities, as well as data review and management support. Weston characterized, packaged, and disposed of the legacy waste that had accumulated, effectively reducing risk to the environment and the general population. Weston ensures RCRA compliance and conducts required inspections, labeling, and documentation of waste materials. Weston has substantially reduced off-site treatment costs, including using microencapsulation, which is 80% less expensive.

Environmental Remediation and Early Transfer of the former Mare Island Naval Shipyard, Vallejo, CA – Weston managed the early transfer process by partnering with the City of Vallejo and negotiated an Environmental Services Cooperative Agreement with the Navy. Assuming $54 million worth of cleanup and closure obligations from the Navy, Weston helped limit cost and environmental liabilities during ownership transfer and contributed to cleanup completion 7-10 years sooner than expected. Scopes involved a wide range of environmental services including site and risk assessments; sampling and analysis; an interim remedial action with a soil-bentonite slurry wall with a groundwater collection trench; a landfill cap; an 8-acre constructed wetland; and implementation of mitigation measures to protect the endangered salt marsh harvest mouse through negotiation of a Biological Opinion. The highly complex job involved HTRW, munitions and explosives of concern, and radiological materials and received multiple NAVFAC awards for safety.

For more information on how Weston can help you with your environmental liabilities, please contact:

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