

A Total Solutions Provider



Solutions for Groundwater Remediation

*Delivering robust solutions for contaminated
groundwater and superfund sites*



Envirogen Technologies, Inc. is an environmental technology and process solutions provider that combines experience in water and air treatment with process development and O&M expertise – delivering long-term, guaranteed solutions for a broad range of treatment and process-related applications. We pride ourselves in delivering superior ‘lifecycle performance’ by offering long-term, guaranteed, pay-for-performance contracts that produce the lowest total cost over the lifetime of an installation.

Comprehensive Service Offering

Envirogen offers a broad range of services for the management, operations and service of complete treatment systems that may include Envirogen equipment, or equipment supplied by other manufacturers. These services have been successfully provided to an extensive list of private and public-sector clients for over 25 years. Our method of service delivery closely integrates engineering, construction

and O&M personnel throughout the project enabling innovative, cost effective solutions. Envirogen works closely with each client ensuring the appropriate level of service to meet customer and project needs. This approach results in lower project life cycle costs, consistent compliance and excellent system performance.

Unlike most other environmental remediation contractors, Envirogen provides a wide range of services – from Design to Installation to Operations and Support:

- Permitting
- Groundwater Sampling
- Pilot Testing
- Process Control & Optimization
- System Upgrades
- Engineering, Design and Construction Services
- Treatability Studies
- Licensed Electrical Contractors
- Instrumentation Installation, Maintenance and Calibration
- Automation and SCADA System Integration
- Treatment System Management



Virtually all service, repairs and maintenance are performed by our highly trained operators, mechanics, licensed electricians and instrumentation specialists with very little dependence on subcontractors.



Envirogen Solutions for Groundwater Remediation

The Envirogen team has a successful history of installing systems to effectively treat groundwater contamination from past industrial, commercial and military activity to produce water suitable for reinjection, re-use, or surface discharge.

Our remediation projects range from small pump and treat systems for gasoline contamination, to designing large scale systems for treating several hundred gallons per minute, Envirogen can design an optimized process and reduce operating and maintenance (O&M) costs.

At Superfund sites, we have decades of experience providing advisory services, design/build and comprehensive long-term operations & maintenance services for clients across the US, and have also upgraded several systems by installing new process equipment, SCADA and automation systems. As a company, we are familiar with Superfund stakeholder needs and the regulatory environment.

In the United States alone, Envirogen has over 30 installations of our fluidized bed reactor technology (FBR) for groundwater treatment applications, treating organic and inorganic contaminants and has demonstrated the ability to treat multiple targets effectively. We also have extensive experience with high-performing ion exchange (IX) technology in treating groundwater as well as traditional pump and treat installations. Our membrane bioreactor technology (MBR) offers solutions for groundwaters with recalcitrant organics, high contaminant concentrations, or for sites where system footprint is a concern.

Our commitment goes beyond simply saving our customers money while delivering sound designs and functioning equipment. We are very familiar with the requirements imposed by state and federal remediation project regulations and operating protocol. We work with our customers on an ongoing basis to provide expert advice in process optimization and operator training to effectively meet regulatory requirements.

Technology Portfolio

Bioreactors

- Fluidized Bed Reactors (FBR)
- Membrane Bioreactors (MBR)
- Suspended Carrier Reactors (SCR)

Biofilters

- Built-in-Place (BIP) (high flow)
- B, P, BT/BF, & I- Series (mid-flow)
- H-Series (low flow)
- Biotrickling Filters (air) BT-Series

Ion Exchange

- SimPACK™ (400 GPM+)
- MinX™ (100-850 GPM)
- MinFlex™
- Service Exchange/Customer Supplied
- FlexSorb™ (5-150 gpm)
- HyperSorb™ (35-3000+ gpm)

Filtration

- Ultrafiltration/ Crossflow
- Multimedia Filtration
- Cartridge and Bag Filters
- Reverse Osmosis

Phys-Chem

- Gas Transfer Membrane
- Demineralization
- Softening
- Disinfection & Sterilization
- De-Aeration

Adsorptive

- Zero Valent Iron
- Granular Activated Carbon Systems

Contaminants Treated

Envirogen has successfully treated over 100 groundwater sites in North America, covering a very broad range of contaminants and contaminant mixtures.

Perchlorate

Selenium

Chromium

Nitrates

BTEX

PCB's

Arsenic

Radium

Uranium

Mercury

Ammonia

Chlorides

Iron

Lead

Manganese

Dioxin

Pesticides

Suspended Solids

BOD

Heavy metals (Other)

VOC's (Other)

Organics

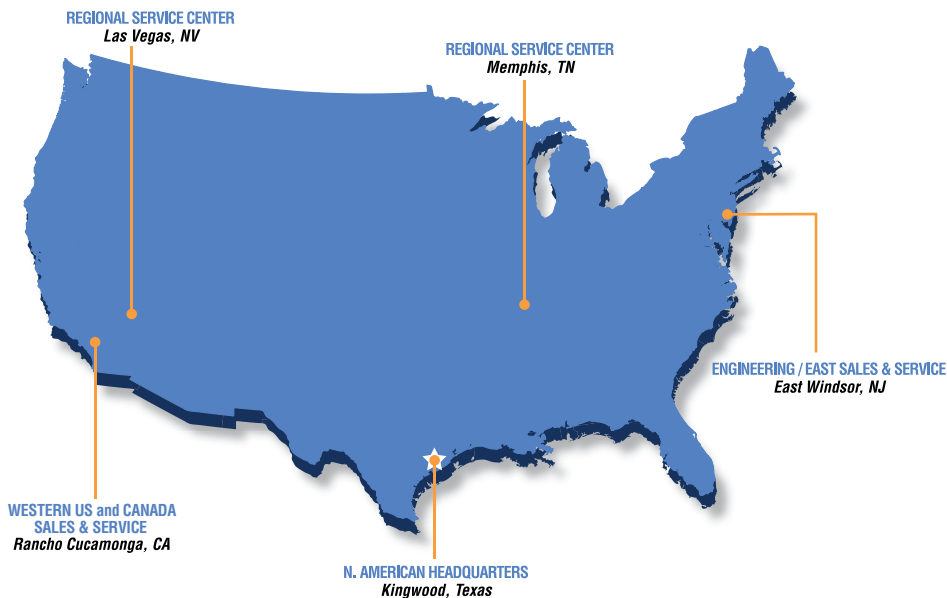
Inorganics

For specifics on our projects and customer references, please contact us today and request our detailed **Statement of Qualifications for Groundwater Remediation and Superfund Sites**

Rely on Envirogen's Experience and Capabilities

Envirogen has extensive experience with providing O&M and environmental consulting services to over 65 groundwater remediation clients. This experience includes the design and installation of proven technology and extends to the ongoing operations & maintenance activities required for remediation operations and Superfund sites. The variation in types of remediation systems has created a large knowledge base for our personnel, resulting in a strong group of operators and project managers.

1. Solutions for treatment of metals, organics, inorganics, and pH adjustment
2. A broad technology toolbox coupled with a wealth of in-house engineering expertise to deliver best solutions for your specific issues
3. Integrated, packaged systems from one vendor
4. Consultative approach
5. 30+ years of experience in solving the most difficult water treatment problems
6. Over 100 installations in North America
7. Design, installation, commissioning and operations & maintenance expertise



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