

# Environmental Testing for a Cleaner, Compliant, and Connected Future

Advanced environmental testing plays a crucial role in helping industries maintain compliance, enhance sustainability, and operate with greater confidence. Leveraging next-generation tools and intelligent systems, businesses today can monitor air, water, soil, and waste parameters with precision and reliability. These solutions are designed not only to meet regulatory requirements but also to drive efficiency across operations.

Enviro Test Solutions delivers a full suite of cutting-edge technologies that support data-driven decision-making and environmental accountability. Based in Fort Lauderdale, FL, and serving a growing B2B customer base throughout North America, the company combines robust product engineering with continuous innovation and expert support. Clients rely on Enviro Test Solutions for scalable and dependable systems tailored to complex industry needs. Backed by a strong foundation in R&D and quality assurance, the company's offerings are trusted across sectors to address the most pressing environmental challenges with measurable results and operational impact.

## Air Quality Testing and Analysis

Clean air is essential for health, safety, and environmental integrity. In today's regulatory landscape, air quality management is no longer optional—it's critical. Whether you're overseeing industrial emissions, workplace environments, or community air monitoring, accurate testing enables smarter decisions and better outcomes.

At Enviro Test Solutions, headquartered in Fort Lauderdale, FL, we offer advanced Air Quality Testing and Analysis services designed to meet the evolving needs of industry, municipalities, and institutions B2B across North America. Our solutions integrate real-time monitoring, lab-grade analytics, and expert guidance to help clients exceed environmental and occupational air standards.

We work with manufacturing plants, government agencies, healthcare facilities, commercial properties, and environmental consultants to deliver accurate, compliant, and actionable air quality insights.

## Core Components

### Ambient Air Quality Monitoring

Track outdoor air pollutants such as PM<sub>2.5</sub>, PM<sub>10</sub>, NO<sub>2</sub>, SO<sub>2</sub>, CO, O<sub>3</sub>, and VOCs in urban, industrial, and sensitive ecological areas. Our real-time sensor systems and periodic sampling programs support regulatory reporting, public health studies, and environmental risk assessments.

## Indoor Air Quality Testing

Ensure healthier indoor environments with testing for pollutants including CO<sub>2</sub>, VOCs, mold spores, allergens, radon, and formaldehyde. Ideal for schools, hospitals, offices, and cleanroom environments, our services help meet OSHA and ASHRAE standards for occupant safety and comfort.

## Stack Emissions Testing

Measure regulated emissions from industrial stacks, boilers, and process units. We analyze SO<sub>x</sub>, NO<sub>x</sub>, CO, CO<sub>2</sub>, HCl, VOCs, particulates, and other criteria pollutants to help you comply with Clean Air Act requirements, Title V permits, and local environmental agency rules.

## Fugitive Emission Monitoring

Detect unintentional air pollutant releases from equipment leaks, vents, and storage areas. Using optical gas imaging (OGI), flame ionization detectors (FID), and differential absorption techniques, we help facilities identify leaks early, reduce emissions, and maintain compliance with LDAR (Leak Detection and Repair) protocols

# Key Features and Functionalities

## Real-Time Monitoring Systems

Deployable air sensors provide immediate insights into pollution levels, trends, and exceedances.

## Comprehensive Pollutant Coverage

Our lab and field testing cover a wide range of regulated and non-regulated air contaminants.

## Regulatory Compliance Support

Services aligned with EPA, OSHA, NAAQS, and state-level air quality standards to support permitting, auditing, and public reporting.

## Data Analytics and Reporting

We offer detailed reports, graphical data visualization, and expert interpretation to support environmental planning and mitigation.

# Common Use Cases

## Industrial Emissions Control

Manage and minimize emissions from manufacturing plants, power stations, and processing facilities.

## Workplace Safety Audits

Identify and address indoor air risks in commercial, educational, or healthcare settings.

## Environmental Impact Assessments

Support large infrastructure or urban development projects with air quality baseline studies and predictive modeling.

## LDAR Programs

Implement effective fugitive emissions detection, repair scheduling, and compliance tracking with advanced monitoring tools.

# Ecosystem Compatibility and Integration

Our air quality solutions are compatible with a variety of monitoring and compliance systems:

- IoT-enabled air sensor networks
- SCADA and BMS integration
- Cloud platforms for data storage and analytics
- EPA's AQS and e-reporting platforms
- Industrial control and alert systems

We offer full lifecycle support from equipment deployment and calibration to analysis, reporting, and compliance consulting.

## Why Choose Enviro Test Solutions?

- **Precision Technology**

We use high-accuracy analyzers and certified sensors for dependable air quality data.

- **Customized Testing Plans**

Flexible programs adapted to your site, pollutant types, and reporting requirements.

- **Expert Environmental Team**

Our specialists provide regulatory guidance, technical insight, and ongoing support.

- **Fast, Clear Results**

Our digital dashboards and secure portals simplify result access and interpretation.

- **Scalable, Nationwide Service**

Serving clients across North America with mobile labs, onsite sampling, and remote monitoring options.

## Water and Wastewater Testing and Analysis

Clean water is essential for life, industry, and environmental balance. Whether for public consumption, industrial discharge, or natural ecosystems, maintaining water quality is critical. At Enviro Test Solutions, we deliver cutting-edge Water and Wastewater Testing services to ensure safety, compliance, and sustainability for supports B2B clients across North America.

Headquartered in Fort Lauderdale, FL, our lab and field testing operations combine advanced technology with deep environmental expertise to provide accurate, timely, and actionable results. From routine quality assessments to complex contaminant detection, we help municipalities, manufacturers, and environmental consultants meet regulatory standards and protect water resources.

## Core Components

### Drinking Water Quality Testing

Comprehensive analysis of potable water for physical, chemical, and microbiological parameters—including pH, turbidity, TDS, heavy metals, and pathogenic organisms—to ensure compliance with public health and EPA standards

## Surface and Groundwater Testing

Monitoring programs for lakes, rivers, reservoirs, and aquifers that detect contamination, track pollution trends, and support long-term water resource management

## Industrial Effluent Testing

Effluent characterization and load analysis for industrial facilities, aligned with NPDES permit requirements. Key metrics include BOD, COD, heavy metals, VOCs, and nutrient loading

## Sewage Water Testing

Assessment of wastewater from residential and commercial sources, evaluating biological, chemical, and solid content to guide treatment strategies and prevent environmental impact

## Key Features and Functionalities

### Advanced Parameter Testing

Analysis of critical indicators such as BOD, COD, DO, TSS, TDS, conductivity, and pH using lab-grade instrumentation.

### Heavy Metal Detection

Trace-level detection of lead, arsenic, mercury, chromium, cadmium, and other hazardous elements through advanced spectrometry techniques.

### Microbial & Pathogen Screening

Testing for E. coli, coliform bacteria, Legionella, and other health-related microorganisms critical for safe drinking and recreational water.

### Nutrient & Eutrophication Analysis

Measurement of nitrates, phosphates, and ammonia that affect aquatic ecosystems and wastewater treatment outcomes.

### Real-Time and Periodic Monitoring

Customizable programs for both continuous sensor-based data and scheduled sampling events to support proactive water management.

## Common Use Cases

## Regulatory Compliance

Ensure alignment with EPA, local, and international water standards for safe discharge, potable supply, and environmental stewardship.

## Pollution Prevention

Identify contaminants early to prevent harmful discharges, reduce environmental damage, and improve operational efficiency.

## Infrastructure Planning and Auditing

Support infrastructure investment with accurate water quality data for design, upgrades, or policy development.

## Environmental Impact Assessments

Inform reports and public consultations with validated, scientific testing data across surface and groundwater sources.

# Integration and Ecosystem Compatibility

Enviro Test Solutions supports seamless integration with your operational and reporting systems through:

- Environmental Data Management Platforms
- GIS Integration for Source Tracking
- IoT Sensor-Driven Monitoring Solutions
- Lab Information Management Systems (LIMS)
- Government and Regulatory Databases

## Why Choose Enviro Test Solutions?

- **Trusted Expertise**

Decades of combined field experience in water testing and environmental science.

- **Accurate, Lab-Certified Results**

State-of-the-art analytical equipment and strict QA/QC protocols ensure high confidence in every result.

- **Regulatory Intelligence**

Support from specialists who understand evolving water policies, permits, and reporting standards.

- **Customizable Services**

From routine testing to emergency response and special projects, we tailor our approach to your exact needs.

- **Nationwide Reach**

Serving clients across North America with mobile sampling units and centralized lab processing.

## **Soil, Sediment, and Solid Waste Testing and Analysis**

Effective land management starts with understanding what lies beneath. Whether you're developing land, remediating contaminated sites, or assessing environmental impact, accurate testing of soil, sediment, and waste materials is essential.

At Enviro Test Solutions, we offer comprehensive testing services designed to detect contaminants, assess fertility, and characterize hazardous materials with precision and reliability. Headquartered in Fort Lauderdale, FL, we serve B2B clients across North America with state-of-the-art laboratory analysis and expert consultation—backed by EPA-compliant methodologies and a commitment to environmental integrity.

Our solutions support industries including construction, mining, agriculture, waste management, and environmental consulting—helping them meet regulatory requirements and drive responsible decision-making.

## Core Components

### *Soil Contamination Testing*

Identify hazardous compounds such as heavy metals, hydrocarbons, pesticides, and VOCs. Our trace-level analysis supports environmental site assessments, brownfield redevelopment, and risk management efforts.

### *Soil Nutrient Analysis*

Evaluate soil health with detailed nutrient profiling, including nitrogen, phosphorus, potassium, pH, salinity, and organic matter content—critical for agricultural productivity and land restoration planning

### *Sediment Quality Analysis*

Examine aquatic sediment samples for pollutants, nutrient accumulation, and biological risk. Our services aid in habitat assessments, dredging operations, and water body monitoring

### *Hazardous Waste Characterization*

Determine the classification and disposal pathway of solid waste through tests such as TCLP, flammability, moisture content, and landfill compatibility—ensuring compliance with state and federal regulations.

## Key Features and Functionalities

### Trace-Level Detection

Our labs are equipped with advanced spectrometry and chromatography systems for accurate quantification of even low-concentration contaminants.

### Regulatory Compliance

All testing follows EPA, ASTM, and other relevant standards—supporting permitting, audits, and environmental reporting.



## Digital Data Access

Our secure online portal delivers fast, accessible results with visualizations and trend reporting to support data-driven decisions.

## Project-Specific Testing Plans

We tailor our testing scope to your project's unique goals—whether remediation, development, or compliance tracking.

## Common Use Cases

### Environmental Site Assessments (Phase I & II)

Support property transactions, risk evaluations, and cleanup programs with certified testing of soil and sediment..

### Agricultural Soil Health Programs

Optimize crop productivity and sustainability through targeted nutrient analysis and pH balancing.

### Construction and Infrastructure Projects

Identify contaminated zones before excavation, reduce liability, and comply with environmental impact regulations.

### Landfill and Waste Facility Management

Ensure proper waste classification, leachate control, and regulatory documentation with dependable solid waste testing.

### Mining and Resource Extraction

Track residual waste materials and environmental impacts through geochemical analysis of disturbed land and water-adjacent areas.

## Ecosystem Compatibility and Integration

Enviro Test Solutions integrates smoothly into your workflows, offering compatibility

with:

- Environmental data platforms and LIMS systems
- GIS-based site tracking tools

- Remediation modeling and risk assessment software
- Compliance reporting systems for federal and state agencies

Our technical team works alongside your environmental engineers, consultants, and compliance managers to interpret data and implement effective action plans.

## **Why Choose Enviro Test Solutions?**

### **Industry-Leading Accuracy**

Lab-certified testing using next-gen analytical tools for dependable results.

### **Customized Solutions**

Testing scopes tailored to specific industry needs and site conditions.

### **Expert Support**

Environmental scientists and engineers available for consultations, interpretations, and regulatory guidance.

### **Scalable Services**

From single-site investigations to multi-location programs, we deliver consistent, high-quality support.

## Who We Are

Empowering organizations to accurately monitor and manage their environmental impact is essential in today's world. From clean air initiatives to water and soil quality assurance, advanced testing technologies play a critical role in shaping sustainable business practices. These solutions not only drive compliance but also enable smarter, data-driven decisions that benefit both the environment and operational efficiency.

Enviro Test Solutions brings this vision to life with cutting-edge environmental monitoring systems tailored for B2B applications across North America. With a strong foundation in science and engineering, the company delivers scalable, reliable tools that support industries in meeting regulatory standards and environmental goals.

Located in Fort Lauderdale, Florida, Enviro Test Solutions is known for its commitment to innovation, quality, and long-term client partnerships. Each solution is built with a focus on performance, compliance, and ease of use, helping businesses navigate complex environmental challenges with confidence and clarity.

## Our Core Testing Systems



### *Air Quality Testing and Analysis*

Enviro Test Solutions delivers high-precision systems for measuring airborne pollutants including particulate matter (PM1, PM2.5, PM10), volatile organic compounds (VOCs), NOx, SOx, O<sub>3</sub>, and CO<sub>2</sub>. Our platforms include Class 1 sound-level monitoring, meteorological integration, and real-time IoT dashboards for continuous monitoring. We help facilities maintain regulatory compliance while ensuring the safety of workers and communities.



### *Water and Wastewater Testing and Analysis*

Our water quality solutions cover both clean water and industrial wastewater applications. Using multi-parameter sensors and lab-grade analyzers, we help detect pH, turbidity, dissolved oxygen, TDS, heavy metals, and biological contaminants. Combined with remote data access and logging, our systems support municipalities,

treatment plants, and industries in achieving better water management and environmental reporting



### *Soil, Sediment, and Solid Waste Testing and Analysis*

We provide field-ready and laboratory-grade equipment for testing heavy metals, organic pollutants, pH, salinity, and nutrient content in soil and sediment. Our systems aid environmental consultants, land developers, and government agencies in remediation assessment, site characterization, and land use planning. Solid waste modules help evaluate landfill impact, leachate analysis, and hazardous waste management.

[Learn More](#)

## **Trusted Partner with Global Recognition**

Our reputation as a **global leader** is reinforced through strategic industry partnerships.

Enviro Test Solutions is officially recognized as both an “**Expert**” and a “**Gold Partner**” by:

**GAO Tek Inc.**, a top 10 global supplier of advanced B2B testing technology

**GAO RFID Inc.**, a leader in BLE and RFID-based environmental solutions

We are also a **proud sponsor of TekSummit**, a premier technology conference hosted by our partners at GAO. This event showcases the future of environmental sensing, IoT,

and testing solutions in the B2B space.

Learn more:

[GAO Tek TekSummit](#) | [GAO RFID TekSummit](#)

## What We Do Best

We don't just deliver hardware or software, we deliver complete, integrated systems that drive environmental accountability and operational success. Through cutting-edge research, ongoing product innovation, and a rigorous quality assurance process, we offer dependable tools for real-time environmental data acquisition, analytics, and reporting.

Our value extends beyond our products. We back our clients with consultative support, ensuring every deployment is tailored to specific regulatory requirements, environmental conditions, and business needs.

Whether you're a public sector agency, a private manufacturer, a utility provider, or an environmental consultant, we help you harness the power of smart environmental data to operate more efficiently and sustainably.

# Careers

At Enviro Test Solutions, with a strong foundation in science and engineering, the company delivers scalable, reliable tools that support industries in meeting regulatory standards and environmental goals. These solutions not only drive compliance but also enable smarter, data-driven decisions that benefit both the environment and operational efficiency. Whether you're starting your career or seeking an internship, we offer opportunities to learn, grow, and make a real impact welcoming individuals to join our growing team.

# List of Internship Types Available in Enviro Test Solutions

- Standard Internship Positions
- MBA & Master's Internship Positions
- AI - Enhanced Internship Opportunities

Have questions? Need a custom solution? Want to learn how our systems can help you meet your environmental and operational goals?

Reach out now more information, product demos, or personalized support.

