



TestAmerica ASL

TestAmerica ASL's Treatability Research Center and Aquatic Toxicity Laboratory provide solutions for our client's most challenging problems. Built to provide unique, specialty testing services, TestAmerica ASL provides a comprehensive group of multi-function environmental laboratory services, and consultative partnership that apply the talents of lab staff, and use the latest scientific tools and best practices, to help clients achieve real-world solutions to current challenges.

TestAmerica ASL, located in Corvallis, Oregon, is staffed by laboratory professionals who support some of the most technically challenging projects in every major country in the world. The laboratory offers a broad range of capabilities with an emphasis on treatability and process engineering studies, and aquatic toxicity testing.

TestAmerica ASL's aquatic toxicity laboratories perform standard EPA toxicity testing, as well as custom toxicity investigations. Toxicity testing studies describe the aggregate toxic effect of an effluent sample, measured by a test organism's response to exposure (e.g., lethality, impaired growth, or reproduction).

The Treatability Research Center at TestAmerica ASL specializes in bench scale treatment and technology development for water, wastewater, soil, and solids. Broadly, Treatability testing is the measurement of treatment effectiveness under "ideal" (laboratory) conditions.

Toxicology (Bioassay) Laboratory

TestAmerica's highly qualified bioassay laboratory provides a full range of evaluation and testing services. TestAmerica ASL's National Pollutant Discharge Elimination System (NPDES) / toxicity compliance experience spans a broad range of contaminants (e.g., chlorinated solvents and other organics, as well as metals) and aquatic environments (e.g., freshwater, estuarine, lake, stream, wetland, and tidal).

Representative services include the following:

- Toxicity Reduction Evaluations (TREs)
- Toxicity Identification Evaluations (TIEs)
- Whole Effluent Toxicity (WET) Tests
- Toxicity Treatability Evaluations (TTEs)
- Water Quality Based Effluent Limits (WQBELs)
- Bioassay Testing and Chemical Analyses
- Criteria Development
- Permit Reviews and Evaluations
- Evaluation of Uncontrolled Releases

Treatability/Research Laboratory

The Treatability Research Center specializes in bench scale treatment and technology development for water, wastewater, soil, and solids. Technologies are developed or evaluated, and processes are optimized to determine the most effective solution for meeting our clients' project objectives.

Treatability evaluations may include the following:

- Jar testing and zeta potential analysis
- Ozone treatment and/or advanced oxidation (AOP) treatment
- Disinfection byproduct (DBP) formation potential tests
- Rapid Small Scale Column Tests (RSSCT) for adsorptive media
- Stabilization and solidification evaluations
- Application of new U.S. Environmental Protection Agency (EPA) leaching (LEAF) methods
- In Situ Chemical Oxidation (ISCO) testing

ASL Treatability and Toxicity Laboratory Cross-Collaboration

In addition to the standard list of tests and analyses, TestAmerica's Treatability lab offers development of custom tests or procedures to address unique client needs. These types of tests are developed through additional consultation and include comprehensive treatment train simulations, as well as cross-collaboration between TestAmerica ASL's Treatability and Aquatic Toxicity laboratories (e.g. treatment evaluations to examine toxicity reduction), among other types of projects.

Certifications and Accreditations

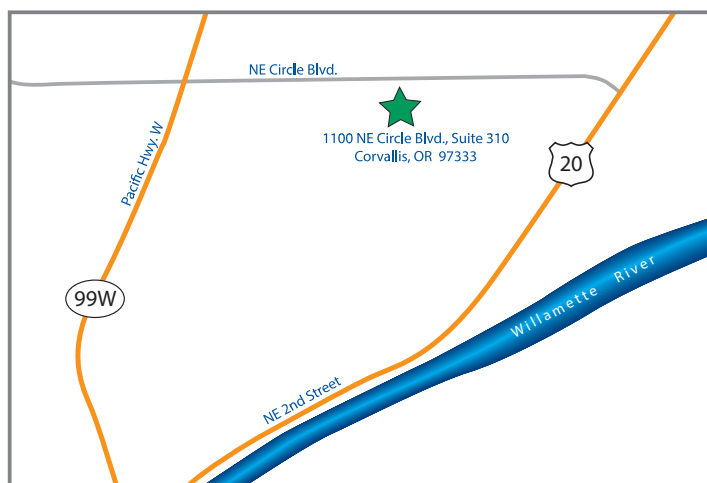
- National Environmental Lab Accreditation Program (NELAP): Oregon
- State Certifications: WA, CA
- USDA Foreign Soil Permit

Value Added Services

- Ask the Expert – Free access to the industry's leading authorities on analytical testing challenges
- Webinars – Monthly online presentations providing an in depth learning experience regarding important topics in the environmental laboratory process.

Local Service Offering

- Complimentary sample containers, labels, and coolers for sampling efforts.
- Logistical support and sample shipment throughout the TestAmerica laboratory network of 80+ locations.
- One-stop shopping through access to the wide range of specialty testing services offered by TestAmerica such as drinking water, dioxins, explosives, geophysical tests, radiochemistry and more



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