

SeaCrest Group – Laboratories

Whole Effluent Toxicity Testing



SEACREST GROUP
ENVIRONMENTAL SERVICES LABORATORY

Since 1987, SeaCrest Group has been a trusted name, delivering comprehensive environmental and ecological testing services. Our headquarters, in Louisville, Colorado, serves as a hub for excellence in Whole Effluent Toxicity Testing throughout the Rocky Mountain Region.

INDUSTRY LEADING – WET TESTING EXPERTS

SeaCrest Group's ecotoxicological laboratory delivers comprehensive testing that adheres to both State and National (EPA) toxicity testing and compliance. Our experience in whole effluent toxicity (WET) testing extends from standard compliance testing to:

- Toxicity Identification
- Evaluations and Toxicity Reduction Evaluations (TIE/TRE)
- Permit interpretation and reporting
- WET Testing required by the Chemical Evaluation Survey

WET Testing is required in both state and national discharge permits to determine whether a wastewater has a reasonable potential to cause acute (i.e., lethal) and/or chronic (i.e., sub-lethal effects) toxicity in aquatic organisms. The testing evaluates the aggregate effects of the sample's constituents to the test organisms. WET testing methods can include procedures for freshwater test species. SeaCrest Group provides WET Testing methods for freshwater test species.

SERVICES

- Acute Toxicity Tests (Static-renewal or Static-nonrenewal) with fish and invertebrates
- Short-Term Chronic Toxicity Tests with fish and invertebrates
- Phase I, II and III Acute and Chronic TIE Procedures
- TRE Services
- TSS/TDS Testing
- E.Coli Testing (EPA Method 1604)
- Permit Review and Consultation



THE SEACREST GROUP ARE RECOGNIZED EXPERTS IN BIOMONITORING AND TOXICITY TESTING

SeaCrest Group completes the EPA's annual Discharge Monitoring & Quality Assurance Study (DMR-QA) each year to ensure our laboratory's adherence to the latest in Quality Assurance excellence. Representing the best-in-class quality for whole effluent testing for over 36 years.

CONTACT

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ACUTE TOXICITY

EPA-821-R-02-012 Methods for Measuring Acute Toxicity of Effluents and Receiving Waters to Freshwater Organisms (5th Addition) October 2002.

- *Ceriodaphnia dubia*, (EPA Method # 2002.0)
- *Daphnia pulex*, (EPA Method #2021.0)
- *Pimephales promelas* (Fathead Minnow) (EPA Method # 2000.0)

CHRONIC TOXICITY

EPA-821-R-02-013 Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Water to Freshwater Organisms (4th Edition) October 2002.

- *Ceriodaphnia dubia*, *Survival and Reproduction Test*, (EPA Method # 1002.0)
- *Pimephales promelas* (Fathead Minnow), *Larval Survival and Growth Test*, (EPA Method # 1000.0)

Why Choose SeaCrest Group?

- Samples accepted 7 days a week, 365 days per year
- Free sample kits
- Flexible scheduling to meet your testing needs
- Dedicated laboratory staff
- In-house culturing
- Free permit analysis and toxicity test quotation
- Dedicated project managers
- Complimentary reviews of test results and reports
- Immediate verbal or email confirmation of results
- Industry leading experts on your side



We will help you navigate the complexities of compliance!

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