



Client Focused, Data Driven

Stormwater

Exceptional client service, quality data at low levels.

Since 1982, Caltest has led the way in NPDES compliance testing and the analysis of wastewater, surface water, stormwater and sediment using EPA methods optimized for low levels of reporting.

We make the process easier for you by providing:

- Cutting-edge analytical methodology
- Excellent quality assurance oversight
- A dedicated project manager and a responsive client services team
- Appropriate sampling containers, chain of custody forms, and sampling instructions
- The assurance that your data is backed by our commitment to exceptional quality standards, transparency and thorough documentation

Additional services:

Container delivery and sample pickup available throughout the SF Bay Area, Sacramento and the Central Valley.



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(707) 258-4000
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What is Stormwater?

Water runoff from our cities, highways, industrial facilities and construction sites can carry pollutants that degrade water quality. Stormwater is one of the largest causes of impairment to U.S. waterways and is regulated under a variety of (NPDES) permits.

Stormwater Regulatory Programs:

The U.S. Environmental Protection Agency (EPA) administers the Clean Water Act. Within the Clean Water Act is a system of regulating discharges of pollution to waterways called the National Pollutant Discharge Elimination System (NPDES). Below are the different permit categories.

Municipal Separate Storm Sewer System (MS4) Permits:

Large and small municipal sewer system operators must comply with MS4 permits issued by the State Water Board or applicable Regional Water Board. MS4 permits regulate stormwater entering local municipal systems.

California Department of Transportation Phase I MS4 Permit:


The largest municipal stormwater discharger in California is the California Department of Transportation (Caltrans). The State Water Board regulates stormwater discharges from this linear network of highways and road facilities through one statewide Phase I MS4 Permit for Caltrans.

Construction Stormwater General Permit:

Stormwater from construction projects that disturb one or more acres of soil, or that disturb less than one acre but are part of a larger common plan of development, are required to comply with the requirements Construction Activity.

Industrial Stormwater General Program:

Industries with stormwater from industrial activity areas are regulated by the Statewide Industrial General Permit. This permit requires industry owners to implement the best technology available to reduce pollutants in their stormwater discharges. The Statewide Industrial General Permit regulates over 12,000 industries in California.



Excelling in Low-Level Water Analysis

How Can Caltest Help?

Caltest provides analyses of stormwater for compliance monitoring. Stormwater analyses are related to the Clean Water Act, which requires analytical methods listed in the Federal Register (40 CFR part 136). Caltest is certified for the use of these required methods.

We provide appropriate containers for stormwater samples along with chain of custody forms, and instructions related to EPA recommended preservatives and holding times.

What Gets Measured?

The permits themselves will dictate the minimum monitoring parameters and may call for additional tests for pollutants related to the specific land use of the site. We recommend that you coordinate with the lab so that analyses can begin within the specified holding time requirements.

Typical Tests Include:

- Total Suspended Solids (TSS)
- pH
- Oil and Grease
- Total Organic Carbon (TOC)
- Electrical Conductance (EC/SC)
- Surfactants

- Metals such as mercury, copper, lead, and zinc
- Coliform bacteria (Total, Fecal, E.Coli, etc.)
- Pyrethroids and other pesticides such as Fipronil, Diazinon and Chlorpyrifos
- Nutrients such as phosphorus and nitrogen

Some Additional Stormwater Related Testing Might Include:

- Dioxins
- PCBs (polychlorinated biphenyls)
- PBDEs (polybrominated diphenyl ethers)
- Mercury (total and methyl mercury)
- Selenium
- Biochemical Oxygen Demand (BOD)
- Chemical Oxygen Demand (COD)
- Total Dissolved Solids (TDS)

To discuss your permit monitoring needs, request a quote, request a pickup or to get more information about stormwater or other projects, call the lab (707) 258-4000 or email us at info@caltestlabs.com.

Certifications and Accreditations

(CA-ELAP) State of California Environmental Laboratory accredited for hazardous waste, drinking water and wastewater. (Certification 1664)

(ORELAP) (TNI) National Environmental Laboratory accredited for solid waste and non-potable water testing through the State of Oregon. (Certification 4036)

U.S. Department of Energy audited and approved as part of the Integrated Contractor Purchasing Team (**ICPT**)

(SBE) Certified Small Business Enterprise (CA and Federal)



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