

MUNICIPAL DISCHARGE WATER TESTING

ANALYSIS OF DISCHARGE WATER

In many jurisdictions, municipal discharge waters are collected, treated and released back into the environment through various channels. Municipal discharge water testing consists of the analysis of sanitary water, storm water and combined sewage waters. These contaminated waters arrive at water treatment plants from many sources, including street runoff and household water discharge, industrial and commercial drainage. Each of the water sources stated above are treated differently.

The following can be water contaminants:

- Microbes
- Bacteria
- Oil
- Grease
- Pesticides
- PCB
- Cyanide
- Metals

HEALTH EFFECTS

Water contaminants can have serious health implications. Gastritis, nerve degeneration and organ damage can occur if such water is not treated properly before being released. At SGS, we conduct rigorous water quality analysis using a broad set of methods to ensure precise, accurate and legally defensible results.

SEASONAL FACTORS

When dealing with wastewater, especially storm water, there are large variations in flow between dry and wet weather. This can result in different quantities and types of pollutants. In colder climates, pollution from cars, people and wildlife accumulate on the snow and are then flushed into the sewer system in heavy spring rains. After periods of no rain, late summer storms are also linked to high contamination levels in sanitary water, storm water and combined sewage water.

Since wastewater contaminant levels and types can vary, water treatments must be adjusted. This ensures water quality is acceptable before it is released. SGS conducts thorough analysis for a broad array of potential contaminants to ensure your treatment procedures successfully treat sanitary waters, storm waters and combined sewage discharge.

SGS TESTING CAPABILITIES

The complete range of tests SGS can conduct on sanitary, storm and combined sewage discharge includes:

- Pesticides and herbicides
- Microbiological parameters
- Metals testing
- Oil and grease
- Polychlorinated biphenyls (PCB)
- Inorganic and organic parameters
- Physical parameters



SGS has been conducting water related testing for over 20 years. If you are a municipality, a wastewater plant operator or in charge of a year-round residential facility, trust SGS to accurately test your sanitary water, your storm water or your combined sewage discharge.

SGS also has the capabilities to test drinking, ground and surface waters. If you have concerns relating to landfill effluents, we have the appropriate equipment to analyse your samples.

STATE-OF-THE-ART REPORTING CAPABILITIES

- Direct instrument-to-Laboratory Information Management System (LIMS) data transfer
- Secure online delivery of PDF reports with spreadsheet data files
- Multiple capabilities for data upload into multiple client-specific data systems (xml, csv, etc)
- Data-on-Demand viewing and direct download of client-specific reports

CONTACT INFORMATION

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WHEN YOU NEED TO BE SURE

SGS