

State Hygienic Laboratory  
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# STATE HYGIENIC LABORATORY AT IOWA LAKESIDE LABORATORY



The State Hygienic Laboratory operates the environmental laboratory at the Iowa Lakeside Laboratory in the Iowa Great Lakes Region. The laboratory is certified by the Iowa Department of Natural Resources (IDNR) and ORELAP to perform compliance testing in Iowa and provides a variety of tests on drinking water, wastewater and surface water

to the public and private businesses. Dennis Heimdal, Environmental Laboratory Scientist, is available to provide test analyses and answer your questions. Our vision is to ensure and preserve the water quality in northwest Iowa.

Dennis also conducts educational seminars throughout the area, meets with local watershed

alliances and teaches local groups on sample collection techniques. Contact Dennis at 712-337-3669, extension 6, or by cell phone at 712-332-1001 for your testing and educational needs.

The State Hygienic Laboratory is committed to continuing the long heritage that has helped maintain the unspoiled beauty of the Lakes Region for today's and future generations of Iowans.



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Below is a partial list of testing performed by Iowa Lakeside Laboratory.

### Waste Water and Surface Water Testing (CWA)

#### Bacteria

- Total Coliform
- E. coli*

#### Chemical

- Ammonia
- Biochemical and Carbonaceous Oxygen Demand
- Chloride and Sulfate
- Chlorophyll a
- Nitrate
- Total Kjeldahl Nitrogen
- Total Phosphorus
- Solids (Suspended, Dissolved, Volatile)
- Specific Conductance

### Public (SDWA) and Private Well Testing

#### Bacteria

- Total Coliform
- E. coli*

#### Chemical

- Ammonia
- Fluoride
- Nitrate
- Nitrite
- pH
- Total dissolved solids

### Pool and Spa Testing

#### Bacteria

- Total Coliform
- Pseudomonas aeruginosa*

### Limnological Testing

- Secchi depth
- Temperature profiles
- Dissolved oxygen
- Stream flow
- Rain event sample collection

### Microscopic Examinations

- Aquatic organisms

Some tests listed above are required by the IDNR for samples which fall under the Safe Drinking Water Act (SDWA) and/or Clean Water Act (CWA).