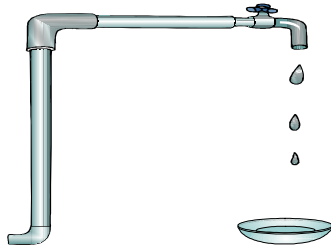


# **Introduction**



In order for a public water supply to provide a safe, clean, adequate supply of water to the consumer, it must be properly constructed, operated and maintained. However, proper construction, operation and maintenance alone cannot document the safety or quality of the water. To develop and maintain a record of water quality, it is necessary to collect representative samples of the water and have them analyzed by a certified laboratory on a routine basis. Sampling, combined with proper operation, operational testing and record keeping with periodic facility inspection, is an effective means of documenting the safety and quality of the water reaching the consumer.

It is critical that each sample collector understand sample collection requirements specified in each approved drinking water test method. Sampling location and sampling technique vary and failure to follow the proper procedures may result in re-sampling or violations.

We are pleased to publish this *Sample Collector's Handbook*. This *Handbook* should assist public water supplies in implementing the requirements of the Illinois Environmental Protection Agency's drinking water regulations.

We intend to update this *Handbook* periodically as the United States Environmental Protection Agency (USEPA) and subsequently the Illinois Pollution Control Board promulgates and the Illinois EPA publishes new and revised drinking water regulations. Each public water supply must be aware of these changes and make any necessary modifications to its sample collection procedures. It is advisable for a water operator to periodically obtain the most current version of this *Handbook* (via hard copy request or Illinois EPA web site download).

## **General Information**

Sample Collector's Handbook Updates

<http://www.epa.state.il.us/water/compliance/drinking-water/collectors-handbook/index.html>

Title 35: Subtitle F: Chapters I Part 611: *Illinois Primary Drinking Water Standards* and Chapter II can be found on Illinois EPA's web page at:

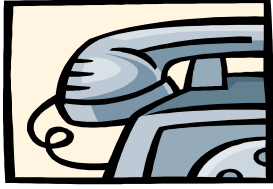
<http://www.epa.illinois.gov/about-us/rules-regs/index>

Illinois EPA Drinking Water Compliance Assurance Section (CAS) documents can be found on the Illinois EPA web page:

<http://www.epa.illinois.gov/topics/forms/water-forms/drinking-water-compliance/index>

USEPA Regulations and Guidance Documents can be found on the USEPA web page:

<https://www.epa.gov/dwstandardsregulations>



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<b>Boil Order Questions / Results</b>	Regional Offices (next page)
<b>Changes in Ownership/ROINC</b>	217/785-0561
<b>Cross Connections</b>	217/782-1020
<b>Capacity Development</b>	217/782-1020
<b>Fluoride Compliance IDPH- Dental Health</b>	217/785-4899
<b>Lab Fee Program, Billing/Payment</b>	217/782-9780
<b>Operator Certification</b>	217/785-0561
<b>Water Supply Customer Complaints</b>	Regional Offices (next page)
<b>Water System Inspections/Sanitary Surveys</b>	Regional Offices (next page)
<b>Permits, Construction or Operating</b>	217/782-1724
<b>Groundwater Protection Program</b>	217/782-1020
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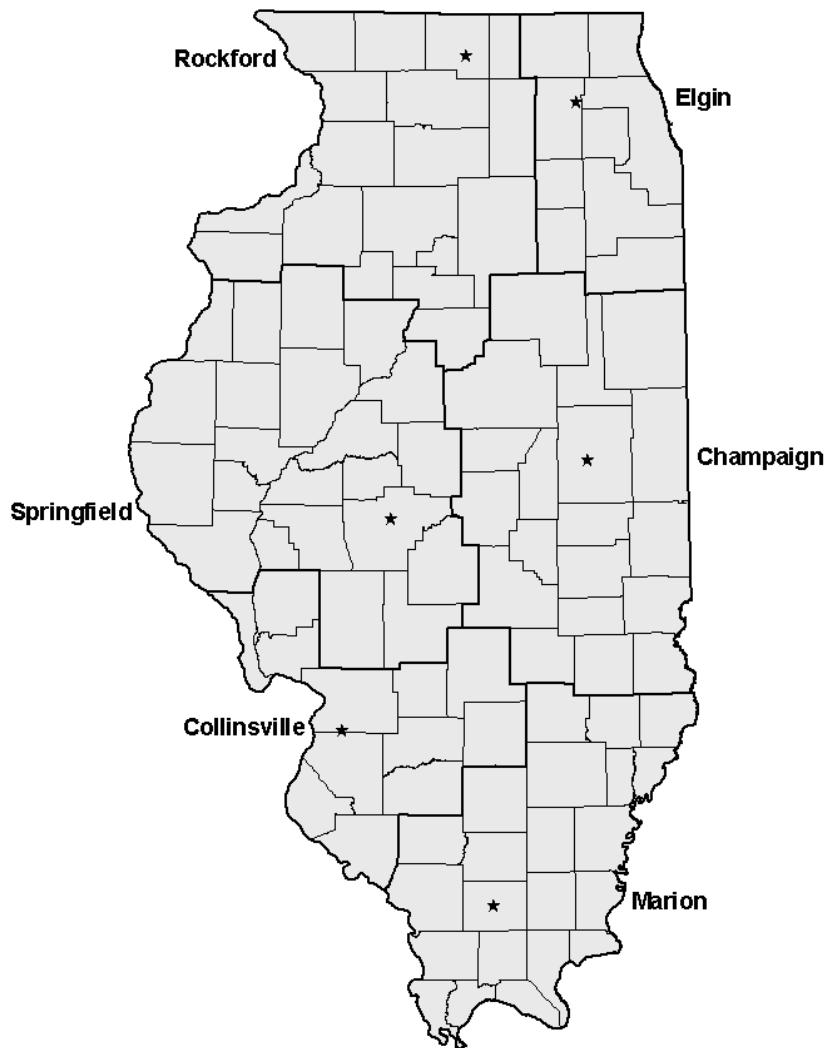
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# ACRONYMS

CCR	Consumer Confidence Report
CWS	Community Water System
DBP	Disinfection Byproduct
HPC	Heterotrophic Plate Count
IESWTR	Interim Enhanced Surface Water Treatment Rule
Illinois EPA	Illinois Environmental Protection Agency
IOC	Inorganic Chemical
LCR	Lead and Copper Rule
MCL	Maximum Contaminant Level
MCLG	Maximum Contaminant Level Goal
MRDL	Maximum Residual Disinfectant Level
MRDLG	Maximum Residual Disinfectant Level Goal
NPDWR	National Primary Drinking Water Regulations
NTNCWS	Non-Transient Non-Community Water System
NTU	Nephelometric Turbidity Units
OGWDW	USEPA, Office of Ground Water and Drinking Water
OW	USEPA, Office of Water
PN	Public Notification
PWS	Public Water Supply
SDWA	Safe Drinking Water Act
SMCL	Secondary Maximum Contaminant Level
SOC	Synthetic Organic Chemical
SWTR	Surface Water Treatment Rule
TCR	Total Coliform Rule
TT	Treatment Technique
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Chemical