



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Study Guide of Typical Exam Content for Waterworks Operator Certification Examinations

D-5 Non Community Lab Exam Study Guide

Written Examinations: The written examination questions for all classifications are developed from need-to-know criteria. The design of the questions has been selected so that they are clear, not misleading, or tricky.

Style of Questions: All exam questions are multiple choice. The style of questions and number of questions may change without notice on all examinations.

Exam Content: The subjects covered on the various certification examinations are grouped by exam on the following pages. These subjects may change without notice for all certification exams.

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Disinfection

Chemicals used, all aspects of disinfection with chlorine dioxide and monochloramines, storage, testing, handling, safety, calculations etc.

O & M

Procedures for general and preventative maintenance of equipment, trouble shooting, operational procedures and common installations.

Public Relations

Principles to maintain a good public image, public notifications, contact with the public and handling customer complaints.

Taste & Odor

Standard Methods Test, causes, solutions, etc.

Safety

Personal and site safety associated with chemicals, equipment, maintenance operations, etc.

SDWA

Michigan Safe Drinking Water Act as amended, (rules and regulations), National Primary Secondary Drinking Water Standards for monochloramines and chlorine dioxide, operator certification, MCL's, notification, sampling, regulated compounds, etc., public health.

The following is a list of selected references for the non-community **D-5 Lab examinations only**.

- Small Water System Operation & Maintenance, California State University, Sacramento, CA, 6th Edition
- Recommended Standards for Water Works, 2018 edition.
- Michigan Safe Drinking Water Act, Act 399, P.A. 1976 as amended.

The Michigan Safe Drinking Water Act can be found on the Internet at [Drinking Water Operator Certification \(michigan.gov\)](http://www.michigan.gov/DrinkingWaterOperatorCertification). After you get to this site scroll down to the bottom with your cursor, you can locate the laws that will include the Michigan Safe Drinking Water Act.