

This Data Sheet is prepared to describe specific programs, courses, methods, and training recommendations

Wastewater Collection

Purpose

The wastewater collection certificate program is designed to establish a three level system of certification for system operators. The three classes [“C”- “B”- “A”] will certify that the individual has successfully completed training in a variety of topics, including safety, regulations, component identification and use, construction and maintenance, work descriptions, and supervision. Certificates are awarded upon the successful completion of the courses and exams.

MTI recommends a minimum of one year of experience prior to enrolling in the “C” class, and an additional year prior to the subsequent levels. However, these are only recommendations and the employer has the final decision in determining eligibility. The primary focus is on the training experiences which are provided to enhance the employability of the participants and to increase the level of contribution to the utility.

Courses

* Wastewater Collection “C”

The basic course for wastewater collection system operators. The emphasis is on safety procedures and regulations, work habits, mathematics, water quality issues such as bloodborne pathogens, and basic construction and maintenance of wastewater collection systems. Topics include:

- * System identifications
- * Customer service issues
- * OSHA safety issues
- * Basic mathematics: formulas and word problems
- * Waterborne and bloodborne pathogens

The “C” course is usually conducted in a three day session, with exams administered at the conclusion of the general and technical portions. Successful completion of the course requires participation in the activities of the class and a satisfactory score on the written exams.

* Wastewater Collection “B”

This course is the most technical of the program, covering all aspects of the system operator’s job, including a review of the safety issues. A reference manual is provided as well as a workbook which is used in class to provide a discussion and learning tool. A three day class features hands-on activities and experiments in all topics, allowing for a practical knowledge of the issues. Teaching methods emphasize participation and discussion, with participants learning procedures for practical job requirements. Topics include:

- * Construction and maintenance recommendations for gravity and force mains, lift stations, manholes, appurtenances and fittings, service lines
- * Inspection and testing procedures
- * Corrosion control
- * Wastewater safety and confined space entry
- * Cleaning and rehabilitation
- * Waterborne and bloodborne pathogens

* Wastewater Collection “A”

The “A” course deals with topics related to first-line supervision and is designed for the system operator who has experience in supervision or desires to become a supervisor. Teaching methods include lecture, discussion, role playing, and group activities. A technical review and exam are included. Topics include:

- * Supervision and Human Relations
- * Management Theory and Supervision
- * Supervision Methods and Skills
- * Situations in Leadership