



**WISCONSIN WATER AND WASTEWATER
OPERATOR TRAINING COURSES
AUGUST 2010 – MAY 2011**

The following courses are offered at various locations across the state of Wisconsin.
All courses, regardless of campus location, are offered by Moraine Park Technical College.
To monitor any changes to this schedule, please go to <http://www.morainepark.edu/watercert>

GENERAL INFORMATION: Contact Judy Freismuth at jfreismuth@morainepark.edu or at 920-924-3270 or Mark Schmidt at mschmidt15@morainepark.edu, or by telephone at 920-924-3283.

REGISTER FOR COURSES: BEGINNING JUNE 16, 2010 -- PHONE 800-472-4554 or 920-924-3207 or for a MAIL IN REGISTRATION FORM go to <http://www.morainepark.edu>

The location is as listed below or as indicated in the informational letter you will receive prior to the course.

CRN-Course Number/ Cost	Date	Course Title	Location	Room Number/Address	Credits Available
21447-527-447 \$19.90	Aug. 24, 2010	Basic Waterworks Math	MPTC West Bend	West Bend Campus Rm T117	6 CECs Water OR Wastewater
20695-527-137 \$115.80	Aug. 25, 26, 2010	Distribution Certification	MPTC West Bend	West Bend Campus Rm T117	12 CECs Water Only and 1 Associate Degree Credit
20828-527-133 \$337.90	Aug 31, Sept. 1, 2, 7, 8, 9 & Nov. 2, 2010	Groundwater Supply & Distribution Certification	Rotary Gardens Janesville	1455 Palmer Dr Janesville	36 CECs Water Only and 3 Associate Degree Credits
20698-527-117 \$115.80	Sept. 21 & 22, 2010	Iron, Zeolite, and VOC Certification	MPTC West Bend	West Bend Campus Rm T117	12 CECs Water Only and 1 Associate Degree Credit
20821-527-132 \$115.80	Sept. 28, 29, 30, 2010	Surface Water Certification	MPTC West Bend	West Bend Campus Rm T117	18 CECs Water Only and 1 Associate Degree Credit
20830-527-137 \$115.30	Oct. 5 & 6, 2010	Distribution Certification	NWTC Green Bay	Rm HS 223	12 CECs Water Only and 1 Associate Degree Credit
21448-527-474 \$19.90	Oct. 7, 2010	Lime Softening Certification	MPTC Beaver Dam	Beaver Dam Campus Rm K321	6 CECs Water Only
20838-527-133 \$337.90	Oct. 12, 13, 14, 19, 20, 21 & 26, 2010	Groundwater Supply & Distribution Certification	CVTC Chippewa Falls	Chippewa Falls Campus Rm 116	36 CECs Water Only and 3 Associate Degree Credits
20843-527-117 \$115.30	Oct. 27 & 28, 2010	Iron, Zeolite, and VOC Certification	CVTC Chippewa Falls	Chippewa Falls Campus Rm 116	12 CECs Water Only and 1 Associate Degree Credit
21449-527-466 \$19.90	Nov. 1, 2010	Advanced Water Treatment Strategies	Rotary Gardens Janesville	1455 Palmer Dr Janesville	6 CECs Water Only
21450-527-447 \$19.90	Nov. 9, 2010	Basic Waterworks Math	Best Western East Towne Suites	4801 Annamark Dr. Madison	6 CECs Water OR Wastewater
21451-527-453 \$19.90	Nov. 10, 2010	Security and Emergency Planning for Utilities	Best Western East Towne Suites	4801 Annamark Dr. Madison	6 CECs Water OR Wastewater
21452-527-452 \$19.90	Nov. 11, 2010	Water Supply Safety	MPTC Fond du Lac	Fond du Lac Campus O104	6 CECs Water OR Wastewater
21453-527-466 \$19.90	Dec. 1, 2010	Advanced Water Treatment Strategies	NWTC Green Bay	Rm HS 223	6 CECs Water Only
20845-527-118 \$115.30	Dec. 7 & 8, 2010	Utility Management	Best Western East Towne Suites	4801 Annamark Dr. Madison	12 CECs Water Or Wastewater and 1 Associate Degree Credit

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CRN-Course Number/ Cost	Date	Course Title	Location	Room Number/Address	Credits Available
-527-137 \$115.80	Jan. 26 & 27, 2011	Distribution Certification	MPTC West Bend	West Bend Campus Rm T117	12 CECs Water Only and 1 Associate Degree Credit
-527-133 \$337.90	Feb. 1, 2, 3, 8, 9, 10 & Apr. 26, 2011	Groundwater Supply & Distribution Certification	NWTC Green Bay	TBA	36 CECs Water Only and 3 Associate Degree Credits
-527-452 \$19.90	Feb. 15, 2011	Water Supply Safety	CVTC Chippewa Falls	Chippewa Falls Campus Rm TBA	6 CECs Water OR Wastewater
-527-466 \$19.90	Feb. 16, 2011	Advanced Water Treatment Strategies	CVTC Chippewa Falls	Chippewa Falls Campus Rm TBA	6 CECs Water Only
-527-453 \$19.90	Feb. 17, 2011	Security and Emergency Planning for Utilities	CVTC Chippewa Falls	Chippewa Falls Campus Rm TBA	6 CECs Water OR Wastewater
-527-117 \$115.30	Feb. 22 & 23, 2011	Iron, Zeolite, and VOC Certification	Best Western East Towne Suites	4801 Annamark Dr. Madison	12 CECs Water Only and 1 Associate Degree Credit
-527-133 \$337.90	Mar. 8, 9, 10, 15, 16, 17 & Apr. 27, 2011	Groundwater Supply & Distribution Certification	Best Western East Towne Suites	4801 Annamark Dr. Madison	36 CECs Water Only and 3 Associate Degree Credits
-527-133 \$339.40	Mar. 29, 30, 31, Apr. 5, 6, 7, & 28, 2011	Groundwater Supply & Distribution Certification	MPTC Fond du Lac	Fond du Lac Campus Rm O104	36 CECs Water Only and 3 Associate Degree Credits
-527-117 \$115.30	Apr. 12 & 13, 2011	Iron, Zeolite, and VOC Certification	NWTC Green Bay	TBA	12 CECs Water Only and 1 Associate Degree Credit
-527-132 \$115.30	Apr. 19, 20, 21, 2011	Surface Water Certification	FVTC Appleton	TBA	18 CECs Water Only and 1 Ass. Degree Credit
-527-117 \$115.80	May 2 & 3, 2011	Iron, Zeolite, and VOC Certification	MPTC Fond du Lac	Fond du Lac Campus Rm O104	12 CECs Water Only and 1 Associate Degree Credit
-527-119 \$115.30	May 10 & 11, 2011	Utility Management 2	Best Western East Towne Suites	4801 Annamark Dr. Madison	12 CECs Water Or Wastewater and 1 Associate Degree Credit
-527-467 \$19.90	May 17, 2011	Surface Water Processes	NWTC Green Bay	TBA	6 CECs Water Only
-527-452 \$19.90	May 18, 2011	Water Supply Safety	Best Western East Towne Suites	4801 Annamark Dr. Madison	6 CECs Water OR Wastewater

GENERAL INFORMATION

Contact Judy Freismuth at jfreismuth@morainepark.edu or call 920-324-3270 or Mark Schmidt at mschmidt15@morainepark.edu, or call 920-924-3283.

CERTIFICATION EXAM INFORMATION: Wisconsin Department of Natural Resources

The WDNR water and wastewater exams are given twice each year. The upcoming dates are November 3, 2010 (must mail an application form to the WDNR by October 6, 2010) and May 4, 2011 (must mail in an application form by April 6, 2011).

Information and certification exam applications can be obtained by contacting your district WDNR office or online at <http://dnr.wi.gov/org/es/science/opcert/forms.htm>

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Continuing Education Offerings * New Courses as of Fall 2010!

527-118 Utility Management -- 12 CECs (Water or Wastewater); 1 Associate Degree Credit

Provides utility and industry personnel with insight into managerial concepts and their application including Managerial Foundations, Management System Results Base, Planning Function and Managerial Authority Delegation.

527-119 Utility Management 2 – 12 CECs (Water or Wastewater); 1 Associate Degree Credit

Provides management personnel and team leaders with concepts and applications to improve one's sense of mission, feeling of self-worth, ability to clearly view employees as valuable organizational members, and create an environment built on cooperation and consensus.

527-447 Basic Waterworks Math -- 6 CECs (Water or Wastewater)

Provides students with a basic level of competence in the application of conversion factors and formulas commonly used in the water industry. Students will develop skill in the use of formulas for flow, volume, detention time, filtration and backwash rates, and chemical dosage.

527-452 Water Supply Safety* – 6 CECs (Water or Wastewater)

Provides safety training for the utility workforce. Subjects covered include confined spaces, respiratory protection, hearing conservation, personal protective equipment, eye protection, trench safety, hazard communications, ergonomics and other safety related topics. The training will include the determination when equipment is required, the proper use and care for the equipment, and how to set up a safety program that works.

527-453 Security and Emergency Planning for Utilities* – 6 CECs (Water or Wastewater)

Provides security and emergency planning information for water and wastewater utilities. Participants will learn about present risks, system vulnerabilities, risk mitigation, laws and regulations, emergency management and how to remain prepared.

527-466 Advanced Water Treatment Strategies* – 6 CECs (Water)

Provides an overview of advanced processes and treatment strategies employed to treat groundwater and surface water supplies. Processes and strategies studied during this course include iron, manganese and radium removal, zeolite softening, VOC removal, disinfection precursor and disinfection-by-product reduction, alternative disinfectants, demineralization, lime-softening, and new and emerging technologies.

527-467 Surface Water Processes* -- 6 CECs (Water)

Provides overview of surface water treatment plant processes. Includes preliminary treatment, coagulation, sedimentation, filtration and enhancements. Optimization and trends in the industry will be discussed during this course.

Certification Courses

527 117 – Iron, Zeolite and VOC Certification – 12 CECs (Water); 1 Associate Degree Credit

Provides information and procedures necessary to treat water with excessive levels of calcium and magnesium. Addresses mineral source, treatment options, mechanisms of cation exchange and laboratory control.

527-132 Surface Water Certification – 18 CECs (Water); 1 Associate Degree Credit

Focuses on operational procedures necessary to produce safe and aesthetically acceptable water for human consumption. Methods of handling human and natural environmental contamination of raw water is emphasized and analyzed. Specific treatment technologies include preliminary processes, coagulation, flocculation, sedimentation, filtration and chemical conditioning.

527-133 Groundwater Supply and Distribution Certification – 36 CECs (Water); 3 Associate Degree Credit

Provides environmental and treatment information necessary to operate a potable groundwater well system. Basic distribution system design and component use also will be detailed. Students make operational assessments of a groundwater treatment plant based on established industry criteria. Designed for students already having experience at a treatment facility who are seeking DNR certification.

527-137 Distribution Certification -- 12 CECs (Water); 1 Associate Degree Credit

Provides skills and knowledge to effectively operate a potable water distribution system. Students explore regulations, chemistry, system components, cross-connections, mathematics and laboratory work. This course also addresses the WDNR Classification D certification objective for those who desire information necessary to achieve this certification.

527-474 Lime Softening Certification – 6 CECs (Water)

Provides information necessary to produce a safe and aesthetically appropriate water supply for human consumption utilizing lime softening to control water hardness. Students explore the principle of lime softening, operation and maintenance procedures, and monitoring and troubleshooting of systems. This course addresses WDNR Classification L certification objectives for those who desire information necessary to achieve this certification.