

Water and Wastewater Refresher Courses – Spring 2012

Starting in January 2012, Manitoba Conservation requires that all certification exams must be written sequentially. That means a Level I exam must be completed before applying to write a Level II. Red River College will offer all of the current certification courses this spring. Contact Manitoba Conservation directly with any questions regarding exam eligibility, prior to registering for any courses offered by RRC.

COURSE OFFERED AT RRC NOTRE DAME CAMPUS

NOTE: CHANGES TO THE BASIC MATHEMATICS AND SCIENCE COURSE

NEW WATER AND WASTEWATER FOUNDATIONS COURSE

Five-day course: April 23 – 27, 2012

Fee: \$950 Registration deadline: April 6, 2012

This former basic mathematics and science courses has been expanded. It will continue to assist operators with the basic mathematics and science skills required to take the Manitoba Class I and Class II Certification courses. Participants will solve problems related to the fields of water treatment and distribution, wastewater treatment and collection. Participants will learn a basic understanding of chemistry, microbiology, hydraulics and electricity.

However, the course will now *also* include the following general topics: Administration and Management, Equipment and Support Systems, and Safety.

Reason for Change:

These topics had been included within each of the certification courses in the past. The topics have been moved to this new foundations course to allow for more time on topic within the certification courses, in light of the new more specific focus of the sequential exams.

Diagnostics Tests

Red River College can also provide diagnostic tests to be used by a supervisor to determine an individual's readiness to take a Certification Preparation course. For example; if an individual scores poorly or marginally on a series of diagnostic tests, they would benefit from taking the Foundations Course above. However if they score well, there is a greater likelihood of success in the Level I courses.

Water Treatment I (To write a Class I Certification Exam)

Four-day course: [April 30 – May 3, 2012](#)

Fee: \$760 Registration deadline: [April 13, 2012](#)

This course is intended as preparation for the Manitoba Water Treatment Class I Certification Exam. Topics include: hydrologic cycle; ground water systems; slow sand filtration; chlorination; testing/sampling; water treatment dosage calculations; detention time/flow rate calculations.

Water Distribution (To write either a Class I or a Class II Certification Exam)

Four-day course: [May 7 – 10, 2012](#)

Fee: \$760 Registration deadline: [April 20, 2012](#)

This course is intended as preparation for the Manitoba Water Distribution Class I or Class II Certification Exams. Topics include: hydrologic cycle; ground water systems; hydrants/valves/meters; piping standards; chlorination; testing/sampling; pipeline dosage calculations; detention time/flow rate calculations; backflow/cross connection; piping standards; trenching/bedding standards; tapping; leak detection; corrosion control.

Water Treatment II (To write a Class II Certification Exam)

Four-day course: [May 14 – 17, 2012](#)

Fee: \$760 Registration deadline: [April 27, 2012](#)

This course is intended as preparation for the Manitoba Water Treatment Class II Certification Exam. Topics include: surface water systems; backflow/cross connection; lime/soda ash softening; rapid sand filtration; ion exchange; membrane filtration; taste odor control; fluoride; UV disinfection; testing/sampling; chlorination; disinfection; water treatment dosage calculations; detention time/flow rate calculations.

Wastewater Treatment I (To write a Class I Certification Exam)

Four-day course: [May 28 – 31, 2012](#)

Fee: \$760 Registration deadline: [May 11, 2012](#)

This course is intended as preparation for the Manitoba Wastewater Treatment Class I Certification Exam. Topics include: lagoons; chlorination/odor control; testing/sampling; wastewater treatment dosage calculations; detention time/flow rate calculations.

Wastewater Treatment II (To write a Class II Certification Exam)

Four-day course: [June 4 – 7, 2012](#)

Fee: \$760 Registration deadline: [May 18, 2012](#)

This course is intended as preparation for the Manitoba Wastewater Treatment Class II Certification Exam. Topics include: wastewater characteristics; treatment processes; mathematical calculations; microbiological control; sampling & testing; laboratory equipment & practices; selection, operations & maintenance of equipment; safety, security & administration.

Wastewater Collection (To write either a Class I or a Class II Certification Exam)

Four-day course: [June 11 – 14, 2012](#)

Fee: \$760 Registration deadline: [May 25, 2012](#)

This course is intended as preparation for the Manitoba Wastewater Collection Class I or Class II Certification Exams. Topics include: manholes/lift stations; backflow/cross connections; piping standards; trenching bedding standards; odor/corrosion control; lift station calculations; detention time/flow rate calculations; chlorination and testing/sampling.

NOTE: Manitoba Conservation exam information on following page:

EXAMS

The Water and Wastewater Certification Preparation Course fees do not include the cost of the exam(s). All Water and Wastewater Certification Exams will be arranged and registered by Manitoba Conservation. **Please note: All students must register seven days in advance of scheduled exam dates.**

For information on the Manitoba Certification Exam fee and for registration, please contact Pat Goran at 204-945-2791 (All dates are Fridays unless otherwise noted)

Water Treatment I	May 4, 2012
Water Distribution	May 11, 2012
Water Treatment II	May 18, 2012
Wastewater Treatment I	June 1, 2012
Wastewater Treatment II	June 8, 2012
Wastewater Collection	June 15, 2012

REGISTRATION: FOR COURSES AT RRC NOTRE DAME CAMPUS ONLY

For registration or general course information contact Louise Cure at (204) 632-3017 lcure@rrc.mb.ca

Those who are not accepted into a particular course due to restrictions on class size will be placed on a waiting list for courses offered using the new sequential guidelines.

NOTE:

MAXIMUM CLASS SIZE 36 – Reserve a seat early to avoid disappointment

Please do not simply “show up” for a class without registering. It may be full.

SEE NEXT PAGE FOR COURSES OFFERED OUTSIDE OF WINNIPEG

POSSIBLE ADDITIONAL REFRESHER COURSES

The following locations and dates have been reserved for the delivery of courses based on industry demand. If enough operators require a particular course in one of the specified locations, it will be delivered.

Thompson (UCN Campus)	March 5 – 8, 2012 Exam on March 9	Course to be determined
Steinbach (RRC Regional Campus)	March 26 – 29, 2012 Exam on March 30	Course to be determined
Brandon (Location to be determined)	April 16 – 19, 2012 Exam on April 20	Course to be determined

We strongly urge the industry associations such as the Association of Manitoba Municipalities (AMM) and Manitoba Water and Wastewater Association (MWWA) to take the lead in communicating with member municipalities to determine the greatest need for training. We will hold the spots open...but we expect industry to tell us what they need delivered.

Costs and further information will be posted on our website at www.rrc.ca/techsolutions