

Water and Wastewater Refresher Courses – Spring 2015

WATER AND WASTEWATER FOUNDATIONS COURSE

*Five-day course: **April 27 – May 1, 2015***

*Fee: \$975.00 Registration deadline: **April 13, 2015***

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.

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

*Four-day course: **May 4 – 7, 2015***

*Fee: \$780.00 Registration deadline: **April 20, 2015***

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 11 – 14, 2015***

*Fee: \$780.00 Registration deadline: **April 27, 2015***

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.

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

*Four-day course: **May 25 – 28, 2014***

*Fee: \$780.00 Registration deadline: **May 13, 2015***

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.

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

*Four-day course: **June 1 – 4, 2015***

*Fee: \$780.00 Registration deadline: **May 19, 2015***

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.

Water Treatment II (Class II Certification)

Four-day course: **June 8 – 11, 2015**

Fee: \$780 Registration deadline: **May 25, 2015**

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 II (Class II Certification)

Four-day course: **June 15 – 18, 2015**

Fee: \$780 Registration deadline: **June 1, 2015**

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.

Registration

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 8, 2015
Water Distribution	May 15, 2015
Wastewater Collection	May 29, 2015
Wastewater Treatment I	June 5, 2015
Water Treatment II	June 12, 2015
Wastewater Treatment II	June 19, 2015

For registration or general course information contact Louise Wood at (204) 632-3017 lowood@rrc.ca