
Water and Wastewater Refresher Courses – Fall 2018

Red River College (RRC) will be offering a full suite of Class 1 & 2 certification exam preparation courses in the fall of 2018. In addition to the Winnipeg offerings, some courses are being held regionally through our college affiliates.

Winnipeg Based Courses

All Winnipeg based courses and associated certification exams are held at RRC's Notre Dame Campus; the course costs include parking and lunches. With the exception of the Foundations Course (5 days of instruction / no exam) all courses run from Monday through Thursday (8:00 am – 4:00 pm) with the exam being administered on the Friday morning.

Winnipeg Based Course Registration: For course registration or other general information, please contact Louise Wood at (204) 632-3017 lowood@rrc.ca.

CANCELLATION POLICY: Students who cancel their registration 7 days or less before the start of the course will be charged a \$100.00 fee.

**** Exam Registration ****

Certification Preparation Course fees **do not** include the exam cost. Certification exams are arranged and registered by Manitoba Sustainable Development (MSD). It is the course participant's responsibility to register and make payment for the exam to MSD no later than 14 days prior to the exam date. On-line exam registration forms are available here: <http://www.gov.mb.ca/conservation/eal/certification/exams.html>. Payment may be made on-line at the time of exam registration. For more information, contact Donna Garcia at (204) 945-7065 or Donna.Garcia@gov.mb.ca.

Water and Wastewater Foundations (Course Code: WATR-1007 and ID 175676)

*Five-day course: **August 27 – August 31, 2018***

*Fee: \$1049.00 Registration deadline: **August 13, 2018***

This introductory course provides operators with the in depth foundational knowledge and skills required for success in writing ABC certification exams in all 4 disciplines. The course is recommended, but optional, prior to taking a Class 1 discipline specific training course. Topics include; Industry related Mathematical and General Science skills (chemistry, microbiology, hydraulics and electricity), Safety and Administration / Management, and Equipment / Support systems are all gone over in detail in relation to the certification exam requirements.

Who should take the Foundations Course? RRC has developed a diagnostic quiz designed to objectively assess an individual's fundamental skill set that will be required for effective participation in a Certification Exam Preparation Course. **All individuals that have not taken the Foundations Course in the past or have not successfully passed a Water and Wastewater Certification exam should complete the quiz.** To acquire a copy of the diagnostics quiz, please contact Louise Wood at (204) 632-3017 or lowood@rrc.ca.

Water Distribution I & II (Course Code: WATR-1010 and ID 175679)

*Four-day course: **September 10 - 13, 2018***

*Fee: \$869.00 Registration deadline: **August 27, 2018***

*Exam Date: **September 14, 2018, RRC***

This course is intended as preparation for the Manitoba Water Distribution Class I or Class II Certification Exams. Topics include: A **brief** review of Foundations material, Hydrologic cycle, Ground water, Distribution system purpose / design, Piping / Trenching / Bedding, Scaling & Corrosion, Cathodic protection, Hydrants / Valves /Service connections / Meters, Cross connection / Backflow prevention, Chlorination, Testing / Sampling, & Water Distribution mathematical calculations.

Water Treatment I (Course Code: CONF-1077 and ID 175678)

Four-day course: **September 17 - 20, 2018**

Fee: \$869.00 Registration deadline: **September 4, 2018**

Exam Date: **September 21, 2018, RRC**

This course is intended as preparation for the Manitoba Water Treatment Class I Certification Exam. Topics include: A **brief** review of Foundations material, Hydrologic cycle, Ground water systems, Water quality parameters / guidelines & regulations, Conventional Treatment, Slow sand filtration, Fluoridation, Iron & Manganese removal, Scaling & Corrosion, Taste & Odor control, Disinfection / Chlorination, Testing / Sampling, & Water Treatment mathematical calculations.

Wastewater Collection I & II (Course Code: WATR-1003 and ID 175680)

Four-day course: **September 24 – 27, 2018**

Fee: \$869.00 Registration deadline: **September 10, 2018**

Exam Date: **September 28, 2018, RRC**

This course is intended as preparation for the Manitoba Wastewater Collection Class I or Class II Certification Exams. Topics include: A **brief** review of Foundations material, WW characteristics, Collection system purpose / design, Piping / Trenching / Bedding, Odor & Corrosion control, Manholes / Lift stations, Cross connection / Backflow prevention, Pipe inspection / cleaning / rehabilitation, Chlorination, Testing / Sampling, & Wastewater Collection mathematical calculations.

Wastewater Treatment I (Course Code: CONF-1065 and ID 175681)

Four-day course: **October 1 - 4, 2018**

Fee: \$869.00 Registration deadline: **September 17, 2018**

Exam Date: **October 5, 2018, RRC**

This course is intended as preparation for the Manitoba Wastewater Treatment Class I Certification Exam. Topics include: A **brief** review of Foundations material, WW characteristics / parameters / guidelines, Wastewater stabilization pond design & maintenance; Mechanical treatment processes, Sludge handling, Odour control, UV / Chlorination, Testing / Sampling, & Wastewater treatment mathematical calculations.

Water Treatment II (Course Code: CONF-1089 and ID 175682)

Four-day course: **October 15 – 18, 2018**

Fee: \$869.00 Registration deadline: **October 1, 2018**

Exam Date: **October 19, 2018, RRC**

This course is intended as preparation for the Manitoba Water Treatment Class II Certification Exam. Topics include: A very **brief** review of Foundations material, Surface water treatment systems, Water quality parameters / guidelines & regulations, Lime/soda ash softening, Ion exchange, Rapid sand filtration, Membrane filtration, Fluoride, Taste / odor control, Scaling / Corrosion, UV / Ozone / Chlorination disinfection, Testing / Sampling, & WT2 mathematical calculations.

Regionally Based Courses: Brandon - Assiniboine Community College; Victoria Avenue Campus

Brandon Based Course Registration: For course registration or general information, please contact Brad Hack (204) 725-8700 ext. 6162 hackb@assiniboine.net , or Jodi Madill (204) 725-8700 ext. 6028 madillj@assiniboine.net .

Wastewater Collection I & II: Four-day course: **December 3 - 6, 2018** Exam Date: **December 14, 2018, ACC**

Wastewater Treatment I: Four-day course: **December 10 - 13, 2018** Exam Date: **December 14, 2018, ACC**

Water Distribution I & II: Four-day course: **TBA: Spring, 2019**

Water Treatment I: Four-day course: **TBA: Spring, 2019**