

## Water and Wastewater Refresher Courses – Fall 2019

Red River College (RRC) will be offering a full suite of Class 1 & 2 certification exam preparation courses in the fall of 2019. 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 being 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 Monday through Thursday (8:00 am – 4:00 pm) with the exam being administered on the Friday morning. You must register for the exam separately thru Mb Sustainable Development. See [Certification Exam Registration](#) note below.

**Winnipeg Based Course Registration:** For course registration or other general information, please contact [techsolutions@rrc.ca](mailto:techsolutions@rrc.ca)

**CANCELLATION POLICY:** Students who cancel their registration less than 8 days before the start of the course will be charged a \$50.00 fee.

### **Certification Exam Registration; Please Read !**

RRC Certification Preparation Course fees **do not include the exam cost**. The certification exams are administered by Manitoba Sustainable Development (SD); not RRC. **It is the course participant's responsibility to register & pay for the exam (On-line payment available) no later than 14 days prior to the exam date.** Information & exam registration forms are available thru the link: [https://www.gov.mb.ca/sd/eal/certification/exam\\_registration.pdf](https://www.gov.mb.ca/sd/eal/certification/exam_registration.pdf) . For more information, please contact Donna Garcia at (204) 945-7065 or [Donna.Garcia@gov.mb.ca](mailto:Donna.Garcia@gov.mb.ca) .

### Water and Wastewater Foundations (Course Code: WATR-1007 and ID 192640)

Five-day course: **August 26 - 30, 2019**

Fee: \$1095.00 Registration deadline: **August 16, 2019**

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 Patricia Oleksiew at (204) 632-3017 or [poleksiew@rrc.ca](mailto:poleksiew@rrc.ca) .

### Water Treatment I (Course Code: CONF-1077 and ID 192641)

Four-day course: **September 9 - 12, 2019**

Fee: \$885.00 Registration deadline: **August 30, 2019**

Exam Date: **September 13, 2019, at RRC, register with MB Sustainable Development**

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.

**Water Distribution I & II (Course Code: WATR-1010 and ID 192642)**

Four-day course: **September 16 - 19, 2019**

Fee: \$885.00 Registration deadline: **September 6, 2019**

Exam Date: **September 20, 2019, at RRC, register with MB Sustainable Development**

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.

**Wastewater Collection I & II (Course Code: WATR-1003 and ID 192643)**

Four-day course: **September 23 - 26, 2019**

Fee: \$885.00 Registration deadline: **September 13, 2019**

Exam Date: **September 27, 2019, at RRC, register with MB Sustainable Development**

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 192644)**

Four-day course: **September 30 – October 3, 2019**

Fee: \$885.00 Registration deadline: **September 20, 2019**

Exam Date: **October 4, 2019, at RRC, register with MB Sustainable Development**

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, Odor control, UV / Chlorination, Testing / Sampling, & Wastewater treatment mathematical calculations.

**Water Treatment II (Course Code: CONF-1089 and ID 192645)**

Four-day course: **October 7 - 10, 2019**

Fee: \$885.00 Registration deadline: **September 27, 2019**

Exam Date: **October 11, 2019, at RRC, register with MB Sustainable Development**

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 – Brandon Based Course Registration:**

Wastewater Collection (December 2 – 5, 2019) and Wastewater Treatment (December 9 – 12, 2019). For course registration or general information, please contact Brad Hack (204) 725-8700 ext. 6162 or [hackb@assiniboine.net](mailto:hackb@assiniboine.net).