Water and Wastewater Refresher Courses – Fall 2020

Red River College (RRC) is offering a full suite of Class 1 & 2 certification exam preparation courses in the fall of 2020.

Interactive Alternative Delivery Courses

As a result of Covid-19, all 2020 fall session courses will only be offered by interactive alternative delivery. This adaptive delivery will be online through RRC’s learning management system (LEARN), entailing approximately 80 % voice over PowerPoint presentations and video resources, and 20 % interactive sessions through WebEx with the course instructor. All participants are required to have access to a computer and high speed internet from 8:00 am – 4:00 pm for each day of the course time frames, as outlined below. As with our face to face courses, some self study is required outside these time frames. ** The CEU’s credited from MB Sustainable Development are the same as for RRC’s existing face to face training.

The associated certification exams (No exam for Foundations course) are available to be written in person at 215 Garry Street, Winnipeg (Ricoh Plaza), on a variety of dates outlined below. The listed fees are for the RRC course only; you must register for the exam separately thru MB Sustainable Development.

Course Registration / Information: please contact 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 . For more information, please contact Donna Garcia at (204) 945-7065 or Donna.Garcia@gov.mb.ca.

Exam Dates; 2 sessions daily ( 8:30 AM & 1 PM )


Water and Wastewater Foundations (Course Code: WATR-1007 and ID 206328)

Five-day course: September 14 - 18, 2020
Fee: $995.00 Registration deadline: September 4, 2020

This introductory course covers the foundational skills and knowledge operators require for success when writing ABC certification exams. This course is **recommended, but optional**, prior to taking a Class 1 certification exam preparation course. Industry related Math and Science (chemistry, microbiology, hydraulics and electricity), Safety / Administration / Management, and Equipment / Support systems are all gone over in detail, relative to 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.
Water Treatment I (Course Code: CONF-1077 and ID 206358)
Four-day course: **September 21 – 24, 2020**
Fee: $805.00  Registration deadline: **September 11, 2020**  Exam Date: **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 206460)
Four-day course: **September 28 – October 1, 2020**
Fee: $805.00  Registration deadline: **September 18, 2020**  Exam Date: **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 206466)
Four-day course: **October 13 – 16, 2020**  (No class on Oct 12th)
Fee: $805.00  Registration deadline: **October 2, 2020**  Exam Date: **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 206469)
Four-day course: **November 2 – 5, 2020**
Fee: $805.00  Registration deadline: **October 23, 2020**  Exam Date: **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, Odour control, UV / Chlorination, Testing / Sampling, & Wastewater treatment mathematical calculations.

Water Treatment II (Course Code: CONF-1089 and ID 206470)
Four-day course: **November 9 – 13, 2020**  (No class on Nov 11th)
Fee: $805.00  Registration deadline: **October 30, 2020**  Exam Date: **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.

Wastewater Treatment II (Course Code: CONF-1067 and ID 206472)
Four-day course: **December 14 – 17, 2020**
Fee: $805.00  Registration deadline: **December 4, 2020**  Exam Date: **register with MB Sustainable Development**
This course is intended as preparation for the Manitoba Wastewater Treatment Class II Certification Exam. Topics include: A very brief review of Foundations material, WW characteristics / parameters / guidelines, Lagoons, Mechanical treatment processes, Sludge handling / digestion / dewatering / disposal, Odor control, UV / Chlorination, Lab equipment / Testing / Sampling, Nutrient removal, & Wastewater treatment 2 mathematical calculations.