



ALBERTA WATER & WASTEWATER
OPERATORS ASSOCIATION

2016-2017

www.awwoa.ca

SEPTEMBER 2016						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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OCTOBER 2016						
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NOVEMBER 2016						
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DECEMBER 2016						
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JANUARY 2017						
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MARCH 2017						
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APRIL 2017						
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MAY 2017						
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JULY 2017						
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AUGUST 2017						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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Alberta Water & Wastewater Operators Association

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Alberta Environment & Parks

9820 - 106 Street
Edmonton, Alberta T5K 2J6
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Fax: 780-427-5204
<http://esrd.alberta.ca/water/programs-and-services/drinking-water/protection/water-and-wastewater-operator-certification.aspx>

For more information or to register:
www.awwoa.ca

ALBERTA WATER & WASTEWATER OPERATORS ASSOCIATION

DATES TO REMEMBER 2016 - 2017

DATE	LOCATION	DESCRIPTION
September 20, 2016		Application deadline date for the November 7 & 8 Alberta Environment & Parks Certification Exams
October 3 & 4, 2016 **New**	Edmonton	Math & Support Systems for Operators: This course will assist anyone wishing to write a certification exam for Small Systems, Level I, Level II or III/IV. It will focus on the important math principles and the support systems used in water and wastewater operations.
October 4 & 5, 2016 - Part A October 25 & 26, 2016 - Part B	Calgary	*Level I Water & Wastewater Operations Certification Preparation: This two part course will provide the information necessary to properly operate any Class I system or facility. It is also intended as preparation for the Level I Alberta Environment & Parks Certification Exams and fulfills the mandatory entry-level training requirement.
October 6 & 7, 2016	Edmonton	*Entry Level Training: This two-day course satisfies the Alberta Environment & Parks training requirement for operators becoming certified for the first time in the water and/or wastewater industry.
October 12 & 13, 2016 - Part A October 27 & 28, 2016 - Part B	Edmonton	*Level I Water & Wastewater Operations Certification Preparation: Refer to description above.
October 17 & 18, 2016 **New**	Calgary	Math & Support Systems for Operators: Refer to description above.
October 19 & 20, 2016	Calgary	*Entry Level Training: Refer to description above.
October 24 & 25, 2016 **New**	Edmonton	Level III/IV Water Distribution Certification Preparation: This course was developed to assist operators prepare for writing the provincial certification exam for level III and/or IV Water Distribution.
October 27 & 28, 2016 **New**	Edmonton	Level III/IV Wastewater Collection Certification Preparation: This course was developed to assist operators prepare for writing the provincial certification exam for level III and/or IV Wastewater Collection.
October 31 & November 1, 2016	Edmonton	*Level II Water Treatment Certification Preparation: This two-day course will provide information necessary for an operator to operate a Class II water treatment facility, as well as prepare for the Level II water treatment Alberta Environment & Parks Certification Exams.
October 31 & November 1, 2016	Calgary	Water Distribution Systems: This course will assist the water distribution operator in the day to day operation and maintenance of a water distribution system.
November 3 & 4, 2016	Calgary	Wastewater Collection Systems: This course will assist the wastewater collection systems operator in the day to day operation and maintenance of their system.
November 3 & 4, 2016	Edmonton	*Level II Wastewater Treatment Certification Preparation: This two-day course will provide information necessary for an operator to operate a Class II wastewater treatment facility, as well as prepare for the Level II wastewater treatment Alberta Environment & Parks Certification Exams.
November 7 & 8, 2016		Alberta Environment & Parks Certification Exams Ft McMurray, Edmonton & Calgary
November 14 – 18, 2016	Red Deer	Water Week – Red Deer: Seven workshops: Management & Supervision for Operators, Confined Space Entry and Monitoring, Fall Protection, HDPE Electro Fusion & Multi Joint Repair Couplings, Using Repair Clamps Effectively, Project Management and Disinfection
November 23 & 24, 2016	Edmonton	Coaching for Operators: This is a practical course that uses role plays, case studies, video and interactive activities to learn and practice the skills of mentoring and coaching tailored for the utilities industry.
November 28, 2016	Edmonton	Basic Chemistry for Operators: This workshop will help operators understand the importance of water chemistry within treatment systems to enable better monitoring and troubleshooting.
November 29, 2016	Edmonton	Water Quality Sampling & Testing for Operators: This workshop will help operators understand how, when and where to take water samples, the basics of microbiology, bacteria and human health implications as well as transport and laboratory requirements. Taste and odour test data interpretation and regulatory issues will also be discussed.
November 30, 2016 **New**	Edmonton	Nutrient Removal: This workshop will help operators understand the importance of nutrients in the aquatic environment. The workshop includes chemistry and biology related to nitrogen removal, de-nitrification, and phosphorus removal.
December 5, 2016 Afternoon	Edmonton	SCADA Basics: This half day workshop will introduce you to the Supervisory Control and Data Acquisition (SCADA) and how it is used in modern water and wastewater facilities.
December 6 & 7, 2016	Edmonton	Process Control Basics: This course will provide information about how electronic and microprocessor based control systems are used to automate modern water and wastewater facilities.
January 20, 2017		Application deadline date for March 13 Alberta Environment & Parks Certification Exams
February 8, 2017 **New**	Edmonton	Basic Math - Learn basic math principals and applications for the water and wastewater operator.
February 13 & 14, 2017 **New**	Calgary	*Level III/IV Water Distribution Certification Preparation: Refer to description above.
February 16 & 17, 2017 **New**	Calgary	*Level III/IV Wastewater Collection Certification Preparation: Refer to description above.
February 16 & 17, 2017	Lethbridge	*Entry Level Training: Refer to description above.
February 21 & 22, 2017	Red Deer	*Entry Level Training: Refer to description above.
February 22, 2017 Afternoon	Edmonton	SCADA Intermediate: A half day intermediate workshop on Supervisory Control and Data Acquisition.
February 23 & 24, 2017	Edmonton	Process Control Intermediate: This is an advanced, two-day course, intended for facility operators, supervisors, engineers and designers to learn more about microprocessor based control systems.
February 27 & 28, 2017 **New**	Calgary	*Level II Water Distribution Certification Preparation: This two-day course will focus the operator on the competencies required to write the Level II Water Distribution Certification Exam. The course includes content and questions that operators may find on the certification exam.
February 28, 2017 OR March 1, 2017	Edmonton Calgary	DWSP – The Next Steps: This will provide a recap of the DWSP program and what the next steps should be. Ongoing validation and verification of the inputs and outputs will be highlighted.
March 2 & 3, 2017 **New**	Calgary	*Level II Wastewater Collection Certification Preparation: This two-day course will focus the operator on the competencies required to write the Level II Wastewater Collection Certification Exam. The course includes content and questions that operators may find on the certification exam.
March 6 & 7, 2017 **New**	Edmonton	*Level II Water Distribution Certification Preparation: Refer to description above.
March 9 & 10, 2017 **New**	Edmonton	*Level II Wastewater Collection Certification Preparation: Refer to description above.
March 13, 2017	Banff	Alberta Environment and Parks Certification Exams
March 13 - 17, 2017	Banff	AWWOA Annual Seminar: This seminar will bring operators up-to-date on a variety of topics in the water and wastewater field. Informative topics will give operators the chance to review recent technical & equipment developments as well as learn how other operators are optimizing their operations.
April 3 & 4, 2017 - Part A May 1 & 2, 2017 - Part B	Edmonton	*Level I Water & Wastewater Operations Certification Preparation Course: Refer to description above.
April 4, 5, 6 & 7, 2017	Edmonton	Level III/IV Water Treatment Certification Preparation: This course will increase the knowledge of present operators and provide a source of reference material for those studying to write certification exams.
April 5 & 6, 2017 - Part A May 4 & 5, 2017 - Part B	Calgary	*Level I Water & Wastewater Operations Certification Preparation Course: Refer to description above.
April 10, 2017		Application deadline date for May/June Alberta Environment & Parks Certification Exams
April 11, 2017	Edmonton	Training or Tragedy – The Importance of Operator Education: This workshop will profile the multi-year decline of a municipal water system that could have been prevented if the water operators possessed the knowledge and skill sets that only proper training would have provided.
April 12, 2017	Edmonton	Ensuring Safe Drinking Water: This one day workshop provides a practical learning opportunity for all professionals engaged in the provision of safe drinking water. Presented by Steve Hrudehy based on the June 2014 book: Ensuring Safe Drinking Water – Learning from Frontline Experience with Contamination, co-authored by Steve E. Hrudehy and Elizabeth J. Hrudehy.
April 19 & 20, 2017 **New**	Calgary	Math & Support Systems for Operators: Refer to description above.
April 20 & 21, 2017	Edmonton	*Entry Level Training: Refer to description above.
April 26 & 27, 2017	Calgary	*Entry Level Training: Refer to description above.
April 26, 2017	Edmonton	*Small Water Systems: Is designed to assist the operator with the operation and maintenance of small water treatment and water distribution systems and also fulfills the training requirement for Small Water Systems Certification.
April 27, 2017	Edmonton	*Small Wastewater System: Is designed to assist the operator with the operation and maintenance of small wastewater treatment and collection systems and also fulfills the training requirement for Small Wastewater Systems Certification.
May 1 & 2, 2017 **New**	Lethbridge	Math & Support Systems for Operators: Refer to description above.
May 4 & 5, 2017 **New**	Edmonton	Math & Support Systems for Operators: Refer to description above.
May 9, 10 & 11, 2017	Red Deer	Chlorination Workshop: Covers the theoretical and practical aspects of chlorination, handling and use of chlorine and chlorine compounds and operation & maintenance of chlorination equipment.
May 11 & 12, 2017	Edmonton	Excel Water and Wastewater Operator Training: This course will focus on the most efficient use of Excel for daily data entry, monthly and yearly reporting.
May 15 & 16, 2017	Edmonton	Water Distribution Systems: Refer to description above.
May 15 & 16, 2017	Calgary	*Level II Water Treatment Certification Preparation: Refer to description above.
May 17, 2017 **New**	Edmonton	Confined Space Entry and Monitor: This workshop covers: Recognition of the hazards associated with confined spaces and restricted spaces and controls that must be in place.
May 18 & 19, 2017	Calgary	*Level II Wastewater Treatment Certification Preparation: Refer to description above.
May 18 & 19, 2017	Edmonton	Wastewater Collection Systems: Refer to description above.
May 24, 2017 **New**	Calgary	Basic Math: Refer to description above.
May 25 & 26, 2017	Calgary	Coaching for Operators: Refer to description above.
May 26, 2017	Edmonton	Fall Protection: This workshop will cover: Fall restraint verses fall arrest, fall protection planning and recognition, evaluation and control of hazards.
May 29 to June 2, 2017		Alberta Environment & Parks Certification Exams: Locations with specific dates will be posted before December 31, 2016
June 5 & 6, 2017	Edmonton	Hydrant Maintenance and Operation: This two day course will cover hydrant inspections and maintenance through technical, practical and hands-on exercises using “hydrant cutaways”. Includes complete internal operations of all major manufactures and tools required for internal inspections; which will assist in determining your own custom maintenance program. De-chlorination needs and equipment also discussed.
June 7, 2017 **New**	Edmonton	Fire Hydrant Flow Testing: Trains operators on the procedures and guidelines for proper field testing of fire hydrant flows.
June 7, 2017	Calgary	Water Quality Monitoring & Assessment for Operators: Refer to description above.
June 8, 2017 **New**	Calgary	Nutrient Removal: Refer to description above.
June 13 & 14, 2017	Calgary	Hydrant Maintenance and Operation: Refer to description above.
June 15, 2017 **New**	Calgary	Fire Hydrant Flow Testing: Refer to description above.

- Courses, locations, and dates are all subject to change without notice – refer to the AWWOA website for current information
 - Information on the Alberta Environment & Parks (EP) Water and Wastewater Operator Certification Program, and applications for the EP Exams can be found at: <http://esrd.alberta.ca/water>
 - For further information and to register for the above courses and workshops go to the AWWOA website: www.awwoa.ca
- Please Note: Only Entry Level Training and Level I Certification Preparation fulfill the mandatory training requirement to write the Level I Alberta Environment & Parks Certification exams
- * Course is also available on-line or by home study. See the AWWOA website for information and registration.