



**NTL Alaska, Inc.**  
3536 International Street  
Fairbanks, AK 99701

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Fairbanks, AK  
Permit No. 8

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# NTL ALASKA, INC.

**SPRING 2010  
TRAINING CALENDAR  
and REGISTRATION FORM**

# CERTIFICATION COURSE OFFERINGS

## INTRODUCTION TO ALASKA SMALL WATER SYSTEMS

3.0 CEU

DATES: APRIL 19-23, 2010

LOCATION: ANCHORAGE, AK

INSTRUCTOR: MICHAEL POLLEN

## INTRODUCTION TO ALASKA SMALL WASTEWATER SYSTEMS

3.0 CEU

DATES: APRIL 12-16, 2010

LOCATION: FAIRBANKS, AK

INSTRUCTOR: MICHAEL POLLEN

These are the official introductory courses for Alaskan small water and wastewater systems operations and maintenance. Each course is accredited for 3.0 CEU's and qualifies the student to take the ADEC Provisional Level 1 exams. All persons applying for Provisional exams must have a high school diploma or GED certificate. Provisional exams require that an operator have at least three FULL TIME months of operations experience OR completion of an approved training course. The exams will be given on the final day of the course.

## ALASKAN WATER TREATMENT SYSTEMS

## INTERMEDIATE

3.0 CEU

DATES: MARCH 15-18, 2010

LOCATION: CRAIG, AK (limit 30)

INSTRUCTOR: MICHAEL POLLEN

DATES: APRIL 5-8, 2010

LOCATION: BARROW, AK (limit 30)

INSTRUCTOR: MICHAEL POLLEN

DATES: MAY 17-20, 2010

LOCATION: HOMER, AK (limit 30)

INSTRUCTOR: MICHAEL POLLEN

**These three course offerings are being sponsored by ADEC. There is no cost for registration, but the class registration is limited to 30 attendees.**

This course was developed by Michael Pollen in cooperation with the Alaska Department of Environmental Conservation. Recommended prerequisites for this course are completion of a basic water treatment course or another Provisional Level 1 Water Treatment license.. The student will find that reviewing "Introduction to Alaska Small Water Systems" or a similar text in advance will be useful in recalling some basic material. The student should already have a working knowledge of math. Topics include conventional treatment (coagulation, flocculation, clarification, and filtration), disinfection, membrane separation, softening, fluoridation, iron and manganese treatment, and corrosion control. Throughout the course manual, examples from various Alaskan systems that have kindly allowed the use of their experiences are used to illustrate the topics being presented. The manual, *Alaskan Water Treatment Systems*, is available separately from NTL for \$45 plus shipping and handling. Check the appropriate box on the form.

## INTRODUCTION TO MEMBRANE WATER TREATMENT

1.6 CEU

DATES: FEBRUARY 2-3, 2010

LOCATION: FAIRBANKS, AK (limit 30)

INSTRUCTOR: MICHAEL POLLEN

DATES: FEBRUARY 9-10, 2010

LOCATION: BARROW, AK (limit 30)

INSTRUCTOR: MICHAEL POLLEN

DATES: MARCH 2-3, 2010

LOCATION: BETHEL (limit 30)

INSTRUCTOR: MICHAEL POLLEN

DATES: MARCH 9-10, 2010

LOCATION: ANCHORAGE, AK (limit 30)

INSTRUCTOR: MICHAEL POLLEN

**These four course offerings are being sponsored by ADEC. There is no cost for registration, but the class registration is limited to 30 attendees.**

This is a new 2-day course being offered for the first time in 2010 on the rapidly evolving technology of membrane water treatment systems. Developed and presented by Michael Pollen, this course is an introductory level presentation on the process theory, O & M, and monitoring of microfiltration (MF), ultrafiltration (UF), nanofiltration (NF), and reverse osmosis (RO) treatment systems. The course features examples of the use of this technology in Alaska treating both surface and ground water sources. Applications include treatment for microbiological contaminants and inorganic contaminants such as arsenic and nitrate, organic matter removal, softening, and desalination.

### CLASS INFORMATION

Classes are held from 8 a.m. to 5 p.m. with an hour break for lunch.

Course locations will be announced once class sizes are determined.

Students are encouraged to register early to ensure available space. A copy of the course text can be sent prior to the course date for a \$10 shipping charge. Please check the box on the registration form.

### A.D.E.C. INFORMATION

Continuing Education Units (CEU) shown are the full credit allowed by the ADEC for these classes. ADEC policy allows core certification courses to be repeated once for CEU credit, but not within a three-year period.

Only half credit is recognized the second time a core course is taken.



Total from previous page

\$ \_\_\_\_\_

Name: \_\_\_\_\_

Company: \_\_\_\_\_

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City: \_\_\_\_\_

Fax: \_\_\_\_\_

State, Zip \_\_\_\_\_

Email: \_\_\_\_\_

I would like to receive my course confirmation by:  U.S. mail  Fax  Email

Check this box, if you would like to receive future course announcements by email only.

**Form of Payment:**

Check: # \_\_\_\_\_

Purchase Order: # \_\_\_\_\_

Visa: # \_\_\_\_\_ exp. \_\_\_\_/\_\_\_\_

Master Card: # \_\_\_\_\_ exp. \_\_\_\_/\_\_\_\_

Signature: \_\_\_\_\_

Registration is payable in advance. Payment will be refunded in full in the event NTL cancels a class. Refunds requested within two weeks of the course will be charged a 25% cancellation fee, except State of Alaska exam fees, which will be refunded in full. Classes may be canceled at any time. Unless you have received a class registration confirmation letter outlining the location and times of the class, please contact NTL to ensure the course is being offered and space is available. Companies or organizations with open accounts at NTL may use a purchase order to reserve class space.

**PLEASE MAIL  
COMPLETED FORM TO:**

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