



Package Plant Treatment Technology

(with tour of Exeter facility)

- Date:** Thursday, March 7, 2019
- Location:** John Doyle Room, 13 Newsfield Road, Exeter NH 03833
- Time:** 8:00am – 3:00pm (*Registration begins at 7:45 am*)
- Credit:** 6.0 TCH's will be awarded to those who attend 100% of the course.
NH DES water & wastewater credit approved.
- Cost:** **\$99 Members, \$130 Non-members. Lunch included.**
- Instructors:** Richard Ross and staff (WesTech Engineering)
- Moderator:** Michael D. Sullivan (David F. Sullivan & Associates)

Agenda:

Trident Anatomy-This presentation covers a brief history, discusses the configuration of the components and process as well as discusses the application guidelines of the package plant. It details the features of adsorption clarification, mixed media filtration as well various enhancements made to the product since its introduction in the late 1970's.

Water Chemistry-Discusses how and why we treat surface waters. Parameters such as alkalinity/pH, turbidity, suspended solids, dissolved metals, color and organics are detailed. The basics of coagulation and flocculation will be detailed as well as the use of various coagulants, flocculants, polymers, filter aids and post-treatment chemistry. The session is very helpful in understanding how we treat surface water when using packaged treatment plants.

Trident Operational Strategies & Techniques-This section covers optimizing the operation of the unit by understanding which backwash frequency works best as well reducing waste and maximizing net production. It also discusses how to determine which process, clarification or filtration, is removing the most solids.

Maintenance- How to maintain the Trident unit properly. It also discusses the preventive maintenance schedule to help provide optimum operation, reduced waste, less downtime, and reduced operation costs.

Expansion/Upgrade Options-Many plants provided in the 70's, 80's and 90's need replacement parts, repair and or upgrade. Our aftermarket team can pull the original bills of material, provide various upgrade and repair options as well as provide valuable experience and lessons-learned from past upgrades.

Plant Tour - Get a first-hand look at how the Exeter Water Treatment plant has implemented package technology at their facility.

Registration: There are three ways to register: register and pay on our website: www.granitestatewater.org. Fill out this form and mail it with your payment to GSRWA, PO Box 596, Walpole, NH 03608; or fill out this form, request to be billed and fax it to (603) 756-3675.

Cancellation Policy: If you need to cancel, please contact GSRWA in writing at least three business days prior to the day of the course, or be charged a \$30 late cancellation fee. If you do not attend the course and do not contact GSRWA, you will be charged a "No Show" fee equal to the original course registration fee. The No Show fee is non-refundable and non-transferable. Written request for refunds/credits will be considered for special circumstances provided that the request is received within two weeks of the training date.

PAYMENT MUST BE RECEIVED IN FULL PRIOR TO CLASS. NO WALK-INS PLEASE.

Any Questions, please call (603) 756-3670 x 4.

Note: Please refer to our website for the most current information.



Training Class Registration Form

Class Name: Package Plant Treatment Technology

Class Date: March 7, 2019

System/Business: _____

Address: _____

City, State, Zip: _____

Business #: _____

1) Name of Attendee: _____

Attendee Cell Phone: (____) _____
(In case of last minute changes/cancellation due to weather)

Attendee E-mail: _____
(For reminder's and in case of last minute changes/cancellation due to weather)

2) Name of Attendee: _____

Attendee Cell Phone (____) _____

Attendee E-mail: _____

3) Name of Attendee: _____

Attendee Cell Phone (____) _____

Attendee E-mail: _____

Payment Information:

attending _____ **X** member rate \$ 99 = total \$ _____

attending _____ **X** nonmember rate \$ 130 = total \$ _____

Total Amount Enclosed = \$ _____

Send me a bill (check here) _____ **PO #** _____

Mail or fax this form to: GSRWA PO Box 596, Walpole, NH 03608 Tel 603-756-3670
Fax 603-756-3675