



Tour and Presentation on the Champlain Water District's Peter L. Jacob Water Treatment Facility

By
Mike Barsotti, CWD's Director of Water Quality and Production

Please join us for a tour of the Champlain Water Districts (CWD) award winning Peter L. Jacob Water Treatment Facility and an informational presentation of CWD's role in providing clean drinking water to twelve (12) municipal water systems throughout Chittenden County. CWD water is of the highest quality and safely serves CWD's 68,000 customers. The CWD treatment facility received the First-in-the-Nation "Excellence in Water Treatment Award" under the National Partnership for Safe Water program of which the United States Environmental Protection Agency (USEPA) is a partner agency. CWD has maintained this "pinnacle of excellence" status each year since 1999 following an extensive annual review process. At this time, only five (5) additional water treatment facilities across the country have also now attained this public health protection optimization level.

CWD's water source originates 2500 feet off shore at a depth of 75 feet in the cold, deep underwater canyon of Shelburne Bay, well away from any potential sources of contamination. This high quality source is then filtered at the treatment facility. The state-of-the-art treatment process removes the natural clay and diatoms from the source water using adsorption clarification pretreatment, followed by deep-bed multi-media filtration. Treatment efficiency is continuously measured by on-line laser particle counting technology. In addition, approximately 40% of the natural organic material (i.e. diatoms, plankton) is also removed during filtration, as measured continuously by on-line analyzers. CWD then uses disinfection (as required by USEPA and the Vermont Water Supply Division) as a necessary additional barrier protective of the public health. The disinfection applied at CWD consists of two stages - primary disinfection with free chlorine and secondary disinfection with monochloramines.

About the Speaker

Mike Barsotti has been the Director of Water Quality & Production for the Champlain Water District, South Burlington, Vermont since 1992. In this role he directs plant operations, source water, and system-wide compliance. Mike also was the Partnership Technical Coordinator for the utility team that obtained the 1st Partnership for Safe Water Phase IV "Excellence in Water Treatment Award," and "Ten-year Excellence in Water Treatment Award" in the nation. He is also Program Effectiveness & Assessment Committee (PEAC) Vice Chair for USEPA Regions 5 & 8. Mike has received the New England Water Works Association (NEWWA) Operator's Meritorius Service Award, Water Works Leadership Award, and Past President's Award.

Tuesday May 19, 2009

- 4:00-5:00 *Site Tour- Peter L. Jacob Water Treatment Facility, 403 Queen City Park Road, South Burlington, VT*
- 5:00-6:00 *Social Hour at Ice House Restaurant, Burlington, VT*
- 6:00-7:00 *Dinner and Introduction of new Board of Directors*
- 7:00-8:30 *Speaker presentation and dessert*

ATTENDING _____ Total \$ _____
Last Name First Name

- Entrée: Statler Chicken Breast: herb crusted chicken with fresh garden Vegetables and garlic mashed potatoes Salad: House
 Three Cheese (Ricotta, Pecorino, Parmesan) Ravioli Caesar
- Guests should select one entrée and one salad*

\$35 per person/\$15 per student. Life members are free (NO SHOWS WILL BE BILLED)

Please sign up with Bernie Gagnon by **May 12, 2009**
e-mail: gagnonb@live.com, phone 316-1320, fax 985-2064

For the Vermont Section of the American Society of Civil Engineers – **1 PDH earned for Attendance**