

The Pipeline

the official Dufresne Group newsletter

Construction Progress at Champlain Water District's Water Treatment Facility

Champlain Water District (CWD) serves twelve municipal water systems in nine communities, with a population equivalent to approximately 1/10 the population of Vermont. The source water for CWD is Lake Champlain. The water is conveyed from the lake to the Peter L. Jacob Water Treatment Facility in South Burlington, Vermont where it is treated before being pumped to the distribution system.

In 2015, Champlain Water District (CWD) retained the services of Dufresne Group (DG) to develop a preliminary engineering report to evaluate alternatives to increase wet well and filtered water storage volume at the treatment facility. In 2016, DG completed final design and permitting activities for these improvements.

The improvements include a 1,500 square foot building expansion, consisting of approximately 62,000 gallons of additional wet well volume and a future pump room space, and a new 1 million gallon precast-prestressed concrete filtered water storage tank. The tank includes internal pre-cast concrete baffles to improve disinfection contact time and allow for flexibility in operation at the facility. Site improvements at the facility include a new access drive, yard piping (4-inch to 36-inch diameter), site grading and drainage, and a new parking area for facility employees. DG coordinated structural, mechanical, and electrical disciplines for the building improvements. The project is funded in part by a loan through the Drinking Water State Revolving Fund.

The construction of this project began in May of 2017 with S.D. Ireland of South Burlington, VT. The subcontractor for the construction of the filtered water tank was DN Tanks of Wakefield, MA. During the 2017 construction season, the site water and drainage piping was installed, and the filtered water storage tank was completed and placed into operation. The construction of the new building addition is currently underway.



Construction of the 1 million gallon filtered water storage tank (interior baffle walls shown)



Construction of 30-inch and 36-inch yard piping



DG Resident Project Representative, Ryan Farina, EI

Dufresne Group Announces Promotions and Women Owned Business Status

Dufresne Group is pleased to announce its status as a Women Owned Business, effective with these promotions: Naomi Johnson – President, Christina Haskins - Vice President, and Andrea Day - Vice President. Robert Dufresne, founder, has been elected to serve as Chairman of the Board of Directors. All four are registered professional engineers and directors in the firm.



Directors and Officers of Dufresne Group. From left - Andrea Day, Naomi Johnson, Red Dufresne, and Christina Haskins.

Dufresne Group's St. Johnsbury Office has moved

On December 22, 2017, the St. Johnsbury office relocated to 481 Summer Street, Suite 8. We are located in the lower level of the former Summer Street School building with a separate entrance off Winter Street. Please note that our phone number is unchanged. Please feel free to stop in and check out our new space.

