

# PSI Process & Equipment



**Pumping Services, Inc.**  
An Employee Owned Company

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## PSI Newsletter

### ISSUE HIGHLIGHTS

Bethpage Water District select Monroe Environmental

David J Silverman P.E. joins PSI

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Dear Readers.

The prime source of water supply on Long Island is a vast groundwater aquifer. More than 1,000 wells serve the area's community water supply systems, tapping one of the nation's most critical sole-source aquifers. Three major water-bearing segments provide 375 million gallons of water a day. Long Island's drinking water is regarded as one of the best in the nation. Bethpage Water District is located in the central part of eastern Nassau County, NY and services the community of Bethpage as well as small portions of Old Bethpage, Plainview, South Farmingdale, Hicksville and Levittown. This area spans 5.5 square miles and services approximately 32,000 people with over 100 miles of water main, 8800 water services and 1000 fire hydrants. Currently, the District's maximum well pumping capacity is 11,200 gallons per minute from 8 wells that are drawing water from

Monroe Environmental  
Air Stripping Tower  
Bethpage Water District



The twelve foot diameter, 70 foot high tower includes 40 feet of specialty packing

from various depths of the Magothy aquifer. The District has three storage tanks, with a capacity of 4.25 million gallons. Bethpage average demand is 3.3 million gallons per day and approximately 8 million gallons per day during peak usage. The district consulting engineers, H2M, 575 Broad Hollow Road, Melville, NY recently approved the use of an air stripping tower as manufactured by PSI's principal Monroe Environmental Inc. The equipment was placed in service in 2011 by the contractor Philip Ross Industries Inc. of Wyandanch, New York.

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# Spotlight on



Monroe Environmental Inc. is a full services engineering and manufacturing firm providing air and water quality treatment systems for municipal water and wastewater treatment plants. Located in the heart of America's manufacturing center, Monroe Environmental began as a fabrication facility in 1970. Monroe has treated nearly every type of air stream with a variety of filtration equipment. Whether it contains oil mist, dry dust, particulate, soluble pollutants, acid gases, or any other harmful, corrosive, or odorous compounds, Monroe has a product that will specifically target and remove the pollutant. Monroe offers a broad range of stand alone equipment as well as complete systems to effectively manage a variety of dusts, mists and fumes. Monroe can also design and implement odor control systems that targets and eliminates foul odors such as H<sub>2</sub>S, NH<sub>3</sub>, VOC's groundwater contaminants, and any organic gas resulting from water treatments systems.



Monroe Environmental  
Tower Air Handling Equipment  
Bethpage Water District

The Bethpage Water District selected Monroe Environmental's Packed Bed Air Stripper because of its low operating and maintenance costs, the qualified Monroe project management team, and their status as a Registered ISO 9001, ISO 14001 Company. Monroe Environmental has been designing and fabricating stripping equipment for over 40 years. The 35,000-pounds Monroe Stripping Tower is designed to efficiently remove VOC's from the source water and is rated at 1400 GPM and fabricated of 304 L Stainless Steel. The twelve foot diameter, 70 foot high tower includes over 40 feet of specialty packing. The 15 HP air system is rated at 12,000 CFM with automatic controls.

David J Silverman P.E. joins PSI



We are pleased to announce that David J. Silverman P.E. has joined the PSI Process & Equipment/Pumping Services, Inc. Municipal Sales Team as of January 3, 2012 in the role of Municipal Sales Engineer in the New York Metro Area. David has 20 years of design experience in the local regional water and wastewater industry and has worked with the New York City Department of Environmental Protection and with engineering consulting firms Hazen and Sawyer and AECOM. He will apply his proven problem solving skills and PSI's line of innovative technologies to develop sustainable, creative solutions that will save money, reduce risk, and improve the operational reliability of today's complex facilities. David lives in Queens and can be reached at (347) 563-0766.

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