JOURNAL

OF THE NEW ENGLAND WATER ENVIRONMENT ASSOCIATION

VOLUME 48 NUMBER 4 | ISSN 1077-3002 WINTER 2014

INDUSTRIAL WASTEWATER TREATMENT

Dual treatment integral to battery recycling center

Reclaimed water for cooling & process water systems

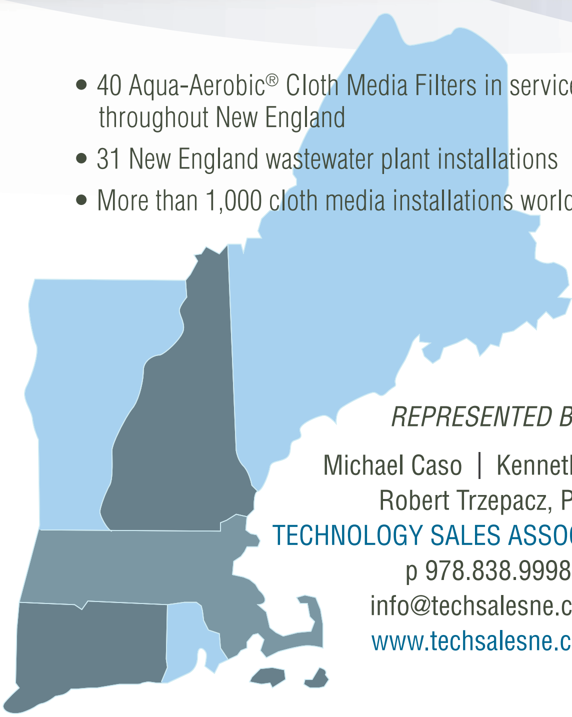
Mercury—an old problem with new implications

Striking a balance in pretreatment

Key steps to successful coagulation

NEWEA
WORKING FOR WATER QUALITY

Brockton, MA is expanding from two to four AquaDiamond® filters that will utilize microfiber cloth media.



- 40 Aqua-Aerobic® Cloth Media Filters in service throughout New England
- 31 New England wastewater plant installations
- More than 1,000 cloth media installations worldwide

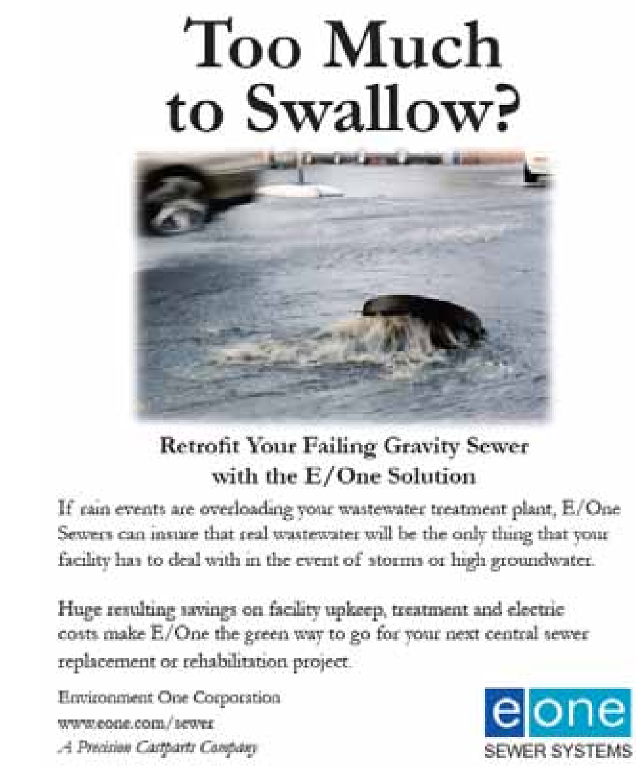
REPRESENTED BY

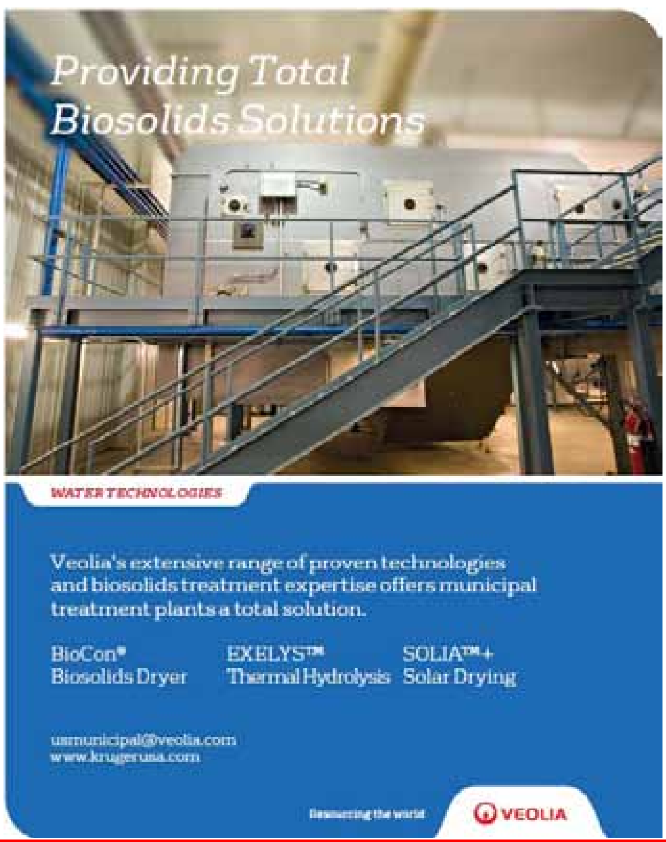
Michael Caso | Kenneth Kaiser
Robert Trzepacz, P.E.
TECHNOLOGY SALES ASSOCIATES, INC.
p 978.838.9998
info@techsalesne.com
www.techsalesne.com

OptiFiber PES-14® Microfiber Cloth Filtration Media Offers Advantages Compared to Other Types of Filtration

- 5 micron microfiber cloth media is specifically engineered to remove suspended solids, turbidity and fine particles up to 50% better than other filtration media
- Thick pile construction provides depth for storage of solids particles and removal of small particles to enhance disinfection
- Significantly reduces backwash volume resulting in less energy usage
- Double or triple flow capacity within an existing footprint of granular media, microscreen or other filter systems
- Designed for use with AquaDisk®, AquaDiamond®, Aqua MegaDisk™, AquaDrum®, and Aqua MiniDisk® cloth media filters

AQUA-AEROBIC SYSTEMS, INC.
www.aqua-aerobic.com | 815-654-2501





Represented in New England by:

Please contact us to request a complete line card!

f.r. mahony & associates inc.
frma
273 Weymouth Street • Rockland MA 02370

Contact ED QUANN c.781.820.6268
edquann@frmahony.com
t.781.982.9300 f.781.982.1056
www.frmahony.com

FAY, SPOFFORD & THORNDIKE

FST – Providing Engineering Services for Managing Industrial and Other High-Strength Wastewaters

- **Wastewater treatment/pretreatment design**
- **Industrial pretreatment programs**
- **Wastewater discharge permitting**
- **Toxics use reduction**
- **Water and energy conservation**
- **Reclaimed water for cooling/process water use**

5 Burlington Woods

Burlington, MA 01803

1.800.835.8666

www.fstinc.com

Twitter: @fstinc

Other offices in:

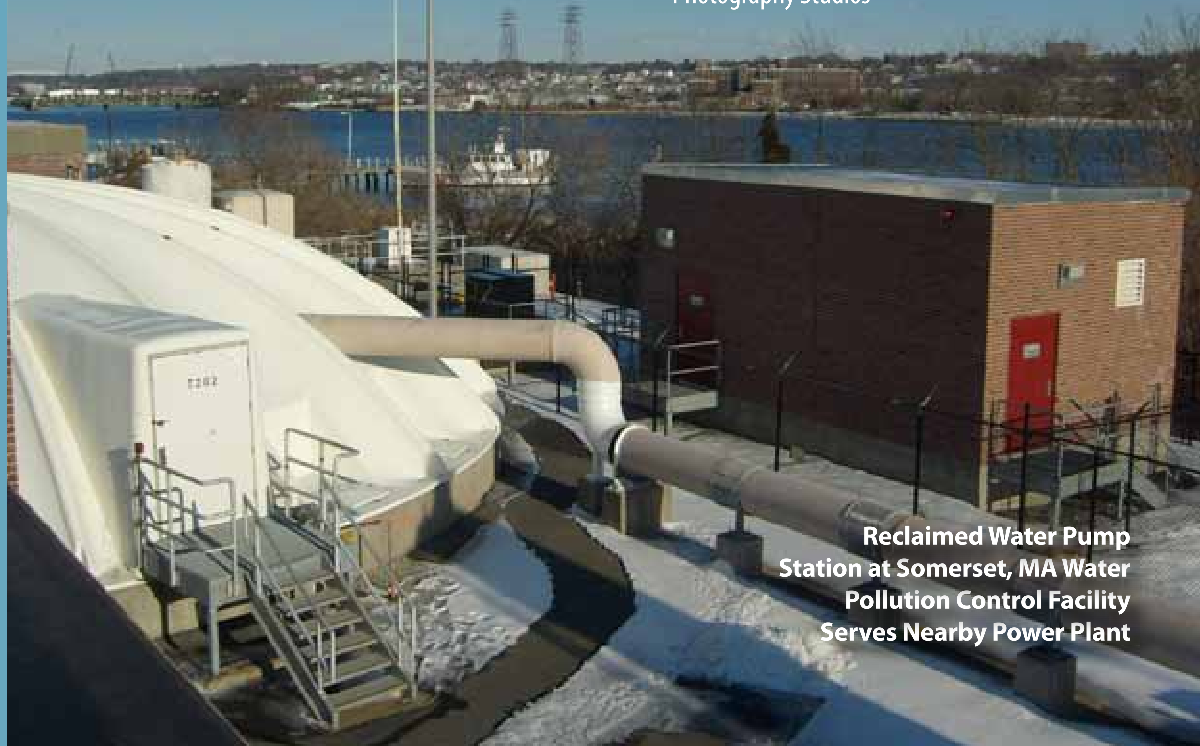
Boston, Quincy and Hyannis, MA; Bedford, NH; South Portland, ME; East Windsor, CT; Melville and New York, NY.

FST

100 YEARS

– For a Wide Variety of Clients

- Municipalities & Government Agencies
- Bakeries
- Breweries
- Dairies & Milk Bottling Plants
- Printers
- Paper & Packaging Facilities
- Textile Mills
- Metal Finishing & Electroplating Facilities
- Precious Metals Refineries
- Aluminum Brazing Plants
- Automotive Repair & Service Facilities
- Diesel Engine Remanufacturing
- Beauty Salons
- Boat Washing & Marine Pumpout Facilities
- Golf Course Maintenance Facilities
- Juice Processing & Bottling Plants
- Food Packaging & Processing Plants
- Seafood Processing Plants
- Rendering Plants
- Slaughterhouses
- Dry Cleaners
- Hospital, Medical & Laboratory Facilities
- Photography Studios



Reclaimed Water Pump Station at Somerset, MA Water Pollution Control Facility Serves Nearby Power Plant