



# **29TH ANNUAL GSDI SPRING SEPTIC SYSTEM CONFERENCE & EXPO**

Monday, March 14 & Tuesday, March 15, 2016  
Radisson Hotel Manchester, Manchester, NH

## **Final Program**

*Be sure to visit the exhibit  
hall showcasing the latest  
products and services!*

**GSDIA.ORG**



# Advanced Onsite Solutions

*innovative wastewater solutions with sustainable results*

## Throwback Brewery



AOS worked with a Licensed Designer and Installer for **THE CLEAN SOLUTION** system at Throwback Brewery's new brewery and pub in North Hampton, NH.

Design Flow: 3,985 gpd  
 Installed: May 2015

On February 4, 2016, AOS took grab samples before and after pretreatment by **THE CLEAN SOLUTION**.



Samples	Influent mg/l	Effluent mg/l	% Removal
FOG	91	<5	95
BOD	1700	29	98
CBOD	1200	10	99
COD	2200	200	91
TSS	320	18	94
Nitrate/Nitrite	<0.5	6.0	N/A
Ammonia-N TKN	59	2.8	95
Total Nitrogen	100	17	83
Total Phosphorus	100	23	77
	17	12	29
Fecal Coliform	120,980 MPN/100 ml	165 MPN/100 ml	>99
pH	6.2	7.8	N/A

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**[Luke@rpepin.com](mailto:Luke@rpepin.com)**

# MONDAY, MARCH 14, 2016

**8:00 a.m. Check-in and Exhibit Hall Opens with Continental Breakfast** (Armory & Foyer)

**8:45 a.m. - 9:00 a.m. Opening General Session** (Ballroom)

Conference Welcome, Introductions, and Announcements  
Carl Hagstrom, Conference Committee Chairman,  
Monadnock Septic Design, LLC, Fitzwilliam, NH

**9:00 a.m. - 10:00 a.m. General Session Topic: Best Practices for Pre-Cast Concrete Tank Inspections** (Ballroom)

Claude Goguen, P.E., LEED AP, Director of Sustainability & Technical Education, National Precast Concrete Association (NPCA), Carmel, IN Sponsored by:



The septic tank is usually the first stop for wastewater effluent entering the treatment system. Even though most of the treatment occurs downstream, the integrity and design of the tank can have a huge impact on the effectiveness of that treatment process. While manufacturers strive to ensure that the tank is built to specifications, a final level of quality assurance must take place at the site. This means inspecting the tank for any defects or damage. It means measuring the tank to verify dimensions. This can also mean supervising the installation and backfill. This course will focus on what to look for when inspecting a precast concrete tank. We will discuss acceptable concrete surfaces and possible defects and causes. We will go over methods to ensure the tank was built to local regulations. We will also discuss proper installation practices for precast tanks.

**10:00 a.m. - 10:45 a.m. Break with Conference Exhibitors** (Armory & Foyer)

**10:00 a.m. - 10:45 a.m. Exhibitor Theater** (Dartmouth - 2nd Floor) Presenting Company: **N.H. Innovative Septic Systems** Topic: **Introduction to the CUR-Tech CTL Septic System**

## Break-Out Session One

**10:45 a.m. - 11:45 a.m.**

**Session A: Grease Traps and Interceptors: Matters of Design, Installation and Maintenance** (Frost/Hawthorne - 2nd Floor)

Ray Gordon, Environmental IV, Residuals Management Section, NHDES, Concord, NH

---OR---

**Session B: Trench and Confined Space Safety** (Ballroom)

David Berard, National Safety Council of Northern New England, Concord, NH

---OR---

**Session C: Troubleshooting Pump Station Control Panels** (Curriers)

John Benham, Pump Systems, Inc., West Franklin, NH

---OR---

**Exhibitor Theater** (Dartmouth - 2nd Floor)

Presenting Company: **Advanced Onsite Solutions, LLC**

Topic: **Leach Field Rejuvenation vs. Replacement**

**11:45 a.m. - 1:00 p.m. Buffet Lunch with Exhibitors** (Armory & Foyer)

Enjoy a great hot lunch, visit with exhibitors, and participate in vendor prize drawings.

**12:15 p.m. - 12:50 p.m. Exhibitor Theater** (Dartmouth - 2nd Floor)

Presenting Company: **CADNET Services**

Topic: **Digital Designs...Creating and producing your system designs in CAD**

## Break-Out Session Two

**1:00 p.m. - 2:00 p.m.**

**Session A: Evaluating and Inspecting Enviro-Septic Systems** (Ballroom)

Don Prince, Mark Vander-Heyden and Dennis Fogg, Presby Environmental, Inc., Whitefield, NH

---OR---

**Session B: Heavy Equipment Service and Maintenance Tips** (Curriers)

Mike Robinson, Milton/CAT, Contoocook, NH

An annual favorite, Mike and others from Milton-CAT will offer tips and advice on equipment maintenance techniques to help installers get the most out of their earth-moving equipment. This is the perfect session to bring along your toughest questions about equipment performance and challenges you may be facing with your existing equipment.

---OR---

**Session C: Wetland Buffers: The Impact of Changes in Legislation Impacting Wetland Buffers** (Frost/Hawthorne - 2nd Floor)

Rick Van de Poll, Ph.D., Ecosystems Management Consultants, Center Sandwich, NH

This is one of two sessions offered by Rick Van de Poll intended to bring land use professionals up to speed on the latest activity in the state legislature to address changes in laws pertaining to wetland buffers. Such buffers are continuing to receive attention from towns across NH with impacts on development and construction. This program should be of interest to all certified wetland and soil scientists attending our conference.

# MONDAY, MARCH 14, 2016

—OR—

**Exhibitor Theater** (Dartmouth - 2nd Floor)  
Presenting Company: **F.R. Mahony & Associates, Inc.**  
Topic: **Designing and Sizing a Pressure System**

## Break-Out Session Three

**2:00 p.m. - 3:00 p.m.**

### **Session A: Government Relations Update** (Curriers)

Paul Morin, GSDI Lobbyist, The Abacus Group, Manchester, NH  
It's been a busy legislative year for the association with some successes and at least one set back for one piece of legislation. During this session, hear the latest from GSDI's lobbyist who had been shepherding the septic evaluator bill through the legislative process with an anticipated successful outcome. Other attempts to support or work against legislation of interest to the septic system industry will be discussed.

—OR—

### **Session B: Presby EnviroFin Design and Installation** (Ballroom)

David Presby, Presby Environmental, Inc. Whitefield, NH  
This session will highlight a new system recently approved by NHDES.

—OR—

### **Session C: Identification of Vernal Pools and Direction Buffers....And Why They Are In Vogue among Many**

#### **Towns** (Frost/Hawthorne - 2nd Floor)

Rick Van de Poll, Ph.D., Ecosystems Management Consultants, Center Sandwich, NH  
This session will expand upon the discussion started during the 1:00 p.m. session but will also focus on the identification of vernal pools and offer a look at other kinds of buffers, including direction buffers. These buffers are increasingly receiving the attention of more and more towns as they seek to establish wetland buffers in their jurisdictions.

**3:00 p.m. - 3:30 p.m. Break with Exhibitors**  
(Armory & Foyer)

**3:30 p.m. - 4:15 p.m. GSDI Special Membership Meeting** (Ballroom)

(Bylaw Changes & Election) followed by: **NHDES Rules Status Update** from Rob Tardif, P.E., NHDES Subsurface Systems Bureau, Concord, NH

**4:15 p.m. Distribution of Certificates of Attendance**

## To Reach Monday's Presenters:

Claude Goguen, NPCA  
cgoguen@precast.org

Ray Gordon, NHDES Residuals Mgmt. Section  
(603)271-3571  
ray.gordon@des.nh.gov

David Berard, National Safety Council of NNE  
(603) 491-3511  
berard3david@aol.com

John Benham, Pump Systems, Inc.  
(603)934-7100  
jbenham@pumpsystemsinc.com

Rick Van de Poll, Ph.D., Ecosystems Mgmt. Consultants  
(603)284-6851  
rickvdp@gmail.com

Mike Robinson, Milton/CAT  
(603)746-4611  
mike\_robinson@miltoncat.com

David Presby, Presby Environmental, Inc.  
1-800-473-5298  
info@presbyeco.com

Paul Morin, The Abacus Group  
(603)566-3224  
paul@abacusnh.com

Robert A. Tardif, P.E., Subsurface Systems Bureau, NHDES  
(603)271-2904  
robert.tardif@des.nh.gov

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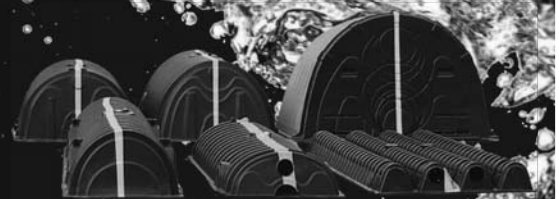


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**Albany, NY**  
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**Pine Island, NY**  
1-800-914-0099

# TUESDAY, MARCH 15, 2016

## 8:00 a.m. Check-in and Exhibit Hall Opens

### 8:45 a.m. - 9:00 a.m. Opening General Session (Ballroom)

Conference Welcome, Introductions, and Announcements  
Carl Hagstrom, Conference Committee Chairman, Monadnock  
Septic Design, LLC, Fitzwilliam, NH

### 9:00 a.m. - 10:00 a.m. General Session Topic: **Septic Tank Lid Safety and Risers** (Ballroom)

Claude Goguen, P.E., LEED AP, Director of Sustainability & Technical Education, National Precast Concrete Association, Carmel, IN. Sponsored by:



Across North America, it seems that local rules and regulations are increasingly requiring access to the tank be brought to grade. This often means riser sections must be installed. Also, there are times when modifications to the tank require a larger access to install equipment. We will discuss the inherent risks involved with field modifications to precast concrete lids. This course will focus on the design, manufacturing and installation considerations for the tank lid, risers and access cover. We will also discuss easy and affordable ways to prevent accidental entry into these tanks. We will examine the best practices to ensure everything is and remains watertight, durable and safe?

### 10:00 a.m. - 10:45 a.m. Break with Conference Exhibitors (Armory & Foyer)

### 10:00 a.m. - 10:45 a.m. Exhibitor Theater (Dartmouth - 2nd Floor) Presenting Company: **Water Industries, Inc.** Topic: **Single Tank Propak Pump Systems**

## Break-Out Session One

### 10:45 a.m. - 11:45 a.m. Session A: **CDL Licensing Update, Proper Heavy Equipment Securement and Questions & Answers with the N.H. State Police** (Curriers)

Trooper Scott Atherton Troop G, NH State Police, Concord, NH  
Though he often suggests that he does not have all that much to offer, each year Trooper Ferris and other staff from the NH State Police CDL unit never leaves without long line of our attendees looking to get their questions and concerns about licensing and vehicle inspections answered. Trooper Ferris will offer an update on changes to both state and federal regulations and then open the floor to your questions.

---OR---

### Session B: **Institutional Wastewater: Design and Installation Considerations** (Ballroom)

Eric Weinrieb, P.E., Altus Engineering, Inc., Portsmouth, NH

Each year the number of Baby Boomers increases who are taking the next step into either independent or assisted living communities. Such communities bring with them special challenges for the septic systems that are designed and installed at these new locations. Each year, NH continues to see the construction and opening of yet another larger-scale institutional care setting. Among those challenges are more complex wastewater challenges, including huge amounts of residual medications combined with lower water usage overall. Our presenter will offer an overview of this firm's design approach and ultimate construction of a septic system that currently services a 35-bed assisted living facility built in the Seacoast Region of NH. He will discuss some of the challenges faced during the design, approval and construction phases of the project.

---OR---

### Part I: **Ethics in Professional Practice: An Intro to What You Need to Know** (Frost/Hawthorne - 2nd Floor)

*A two-hour program with a break for lunch.*

Melinda Gehris, Hess Gehris Solutions, Concord, NH and Irene Grace Garvey, Abenaki Services, Plymouth, NH

This session will cover the historical roots & definition of professional ethics. It will also include a discussion of the basic components of what it means to practice ethically. Those attending will be given an opportunity to discuss specific examples of how the very definition of ethics and its components can lead to professional challenges.

This program will provide 2.0 hours of continuing education on the topic of ethics and professional practice as required by the administrative rules of the NH Joint Board for both CWS and CSS renewals. Sign-in and sign-out is required to receive a certificate of attendance.

---OR---

### Exhibitor Theater (Dartmouth - 2nd Floor)

Presenting Company: **Orengo**

Topic: **Single Tank Propak Pump Systems**

### 11:45 a.m. - 1:00 p.m. Buffet Lunch with Exhibitors (Armory & Foyer)

Enjoy a great hot lunch, visit with exhibitors, and participate in vendor prize drawings.

### 12:15 p.m. - 12:50 p.m. Exhibitor Theater (Dartmouth - 2nd Floor)

Presenting Company: **Infiltrator Water Technologies**

Topic: **Septic Tank Technology Advancements and Installation Best Practices**



# TUESDAY, MARCH 15, 2016

## Break-Out Session Two

1:00 p.m. - 2:00 p.m.

### Session A Designer 101 (Curriers)

Deborah Hinds, Hinds Septic Service, Boscawen, NH and Scott Hagstrom, Monadnock Septic Designs, Fitzwilliam, NH

—OR—

### Session B Onsite Wastewater Treatment System Drainfield Malfunction: Causes, Investigation, Prevention, and Correction

Presenter: Larry Earney, Technical Team Member, Infiltrator Water Technologies, Inc.

The lifespan of an onsite wastewater treatment system drainfield is influenced by numerous factors, including siting, vertical separation distance, maintenance, wastewater flow volume, septic tank volume, as well as other factors. The presentation will review methodologies to diagnose problem site systems. The intention is to have the presentation serve as a learning tool on the potential causes, how to investigate and once the problem is understood then recommending a proper solution. The presentation will review: malfunction investigation basics, septic tank investigation, function of the tank, drainfield investigation, and malfunction issues and examples.

—OR—

### Part II: Ethics in Professional Practice: An Intro to What You Need to Know (Frost/Hawthorne - 2nd Floor)

*Second part of a two-hour program.*

Attendance at Part I is required to receive a CSW/CSS attendance certificate.

## Break-Out Session Three

2:00 p.m. - 3:00 p.m.

### Session A The Fastest Way to a Shoreland Permit (Curriers)

Jay Aube, Land Resources Management Outreach, NHDES, Concord, NH

—OR—

### Session B Installer 101 (Ballroom)

Tom Canfield, Thomas Canfield Earth Construction, Rochester, NH

—OR—

### Session C Latest in GIS/GPS Applications and the Land Use Professional (Frost/Hawthorne - 2nd Floor)

*(This session is tentative pending speaker availability)*

Shane Bradt, Extension Associate Professor/Specialist, Geospatial Technologies

3:00 p.m. Distribution of Certificates of Attendance

## To Reach Tuesday's Presenters:

Claude Goguen, NPCA  
cgoguen@precast.org

Trooper Scott Atherton  
(603) 223-8778  
scott.atherton@dos.nh.gov

Eric Weinrieb, P.E., Altus Engineering  
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Deborah Hinds, Hinds Septic Design Services  
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Scott Hagstrom, Monadnock Septic Design  
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Melissa Gehris, Hess Gehris Solutions  
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Irene Grace Garvey, Abenaki Services  
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Thomas Canfield, Canfield Earth Construction  
(603) 332-1413  
tcanfield107@gmail.com

Jay Aube, NHDES Land Resources Management Outreach  
(603) 271-4056  
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Shane Bradt, UNH  
(603) 862-4277  
shane.bradt@unh.edu

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## AAA Pump Service, Inc.

#15

93 Depot Road  
Manchester, NH 03103  
Representative: Paul Croteau  
Phone: (603) 645-8610  
Email: paul@aaapumpservice.com  
Website: www.aaapumpservices.com

**Company Description:** AAA Pump Service has been a leader in septic and sewer pump service since 1992. We provide quality products, service and support to a growing and dynamic customer base. Fay Electric Motors, a division of AAA Pump Service, has served loyal customers with electric motor and pump repairs since 1969. Fay Electric Motors remains the best little motor shop in town. We service and repair all types and brands of pumps and electric motors. We are also a wholesale distributor of pumps, electric motors, controls and accessories. We pride ourselves on the excellent service that we provide our valued customers.

## Advanced Onsite Solutions, LLC

#7-9

P.O. Box 248  
Canterbury, NH 03224  
Representative: Gary Spaulding  
Phone: (603) 496-9797  
Email: gary@aosne.com  
Website: www.aosne.com

**Company Description:** Innovative wastewater solutions with sustainable results. Advanced Onsite Solutions serves both the residential and commercial markets, developing innovative solutions for handling onsite wastewater. Gary Spaulding, Principal, has more than 25 years experience working with consultants, homeowners, designers, and contractors in the wastewater and site planning industries. AOS strives to represent the best available technology, and we work closely with homeowners and contractors to assure that our designs and products are installed properly and perform as designed.

## Aeration Systems

#36

155 Gray Road  
Falmouth, ME 04105  
Representative: Mark S. Cowperthwaite  
Phone: (207) 838-5233  
Email: msc0369@gmail.com  
Website: www.aerationssystemslc.com

## Andrew J. Foss Co., Inc.

#35

100 Cocheco Road  
Farmington, NH 03835  
Representative: Jonathan Cardinal  
Phone: (603) 755-2515  
Email: jon@ajfoss.com  
Website: www.ajfoss.com

**Company Description:** We manufacture precast concrete products. From septic tanks, dry wells, well tiles, landscaping blocks, frost posts, d-boxes, electrical vaults, electrical pads, jersey barriers, catch basins, manholes, to custom structures, we have them in stock and ready to ship. We are also a distributor for norweco® Presby Environmental, Infiltrator Systems, Meyers Pumps, and the Stonetree Precast Fence System. Let us take care of your pump station needs with an installed system with an aluminium hatch for easy access.

## Blake Equipment Co./Eljen Corp.

#19 & 20

34 Locke Road  
Concord, NH 03301  
Representative: Floyd Loyer  
Phone: (603) 875-7901  
Email: floyd.loyer@blakeequip.com  
Website: www.blakeequip.com

**Company Description:** Since 1967 Blake Equipment has been a trusted wholesale supplier to the water, wastewater, and excavation markets. Blake offer's the contractor a knowledgeable, dedicated staff who knows how to help you get the job done right the first time. We represent products from Myers, Gould's and Liberty pumps, CSI and SJE controls, Norwesco and Roth Global tanks, and Crestline, ADS, and Charter pipe. Blake is proud to be the exclusive supplier of Eljen GSF in the state of New Hampshire. Check out our Concord location today!

## CADNET Services, LLP

# 13

100 Carl Drive, Suite 12  
Manchester, NH 03103  
Representative: Rick Ladd  
Phone: (603) 296-2376  
Email: rladd@cadnetservices.com  
Website: www.cadnetservices.com

**Company Description:** Your single source for CAD & network technologies.

## Clear Water Industries, LLC

#37

P.O. Box 825  
Ipswich, MA 01938  
Representative: David Clark  
Phone: (978) 356-0779  
Email: dclark@clearwaterindustries.com  
Website: www.clearwaterindustries.com

**Company Description:** Clear Water Industries, LLC is the distributor for Orenco products for Eastern Massachusetts and Southern New Hampshire. Orenco Systems manufactures a wide range of carefully engineered, reliable products for the on-site wastewater industry. Products you can use with confidence and backed by the reliable service support you have come to expect. Clear Water Industries is also the Massachusetts distributor of the Waterloo Biofilter Treatment System and provides maintenance service on all Massachusetts-approved treatment systems. Come visit our booth.

## CULTEC, Inc.

#28

P.O. Box 280, 878 Federal Road  
Brookfield, CT 06804  
Representative: Taylor Abbott  
Phone: (203) 775-4416  
Email: tabbott@cultec.com  
Website: www.cultec.com

**Company Description:** Back in 1968, CULTEC introduced its Contactor® and Recharger® plastic septic and stormwater chambers to the industry and helped to begin a revolution towards the usage of plastic construction products. Since then, several product developments and strategic alliances have made CULTEC a cutting edge R&D-based manufacturer. CULTEC chambers may be used

as subsurface retention or detention systems or conventional septic leachfields. CULTEC manufactures chamber sizes ranging from 8.5"-48"high able to accommodate almost any site parameter. We offer complimentary design assistance including preliminary calculations and job specific CAD details. Clients may also achieve LEED credits by using CULTEC Systems.

### **D & S Pump and Supply**

#33

1 Wall Street

Hudson, NH 03051

Representative: Ron Spakoski

Phone: (603) 566-1670 or NY Corp. 845-279-3786

Email:rspakoski@dspumpco.com

Website: www.dspumpco.com

**Company Description:** We are a multiline distributor located in Hudson, NH. Supplying quality Goulds pumps to our wholesale dealer market. We can help with your septic and sewer needs. In addition to pumps we are able to supply you with the accessories that you will need, in addition to standard and custom designed panels. With Goulds as our supplier we can provide a wide range of product support, i.e. "get the right pump to successfully complete the project". Have a great day and enjoy the GSDI Show and all that is presented to you!

### **Davis & Towle Insurance Group**

#3

115 Airport Road, P.O. Box 1260

Concord, NH 03302

Representative: Jackie Roy

Phone: (603) 225-6611

Email: jroy@davistowle.com

Website: www.davistowle.com

**Company Description:** Davis & Towle Insurance Group is a thriving community of insurance professionals - focused on industry trends, emerging risks, and the "ins and outs" of insurance coverage. As an independent agency, we prioritize customer satisfaction, bring transparency to the insurance experience, and provide competitive solutions for all of your personal, business, life and health insurance needs.

Established in New Hampshire in 1954, we are truly founded on the tradition of protecting the businesses and people of our community. We have grown to represent a select group of reputable, top-rated carriers and continue our commitment to convenient and quality coverage.

### **Eastern Pipe Service, LLC**

#27

2 Thibeault Drive

Bow, NH 03304

Representative: Hubert Thompson

Phone: (603) 424-4600

Email: hthompson@easternpipeservice.com

Website: www.easternpipeservice.com

**Company Description:** Eastern Pipe Service (EPS) is New Hampshire's answer to trenchless sewer repair solutions and other Pipeline-related duties. For over 50 yrs., Eastern Pipe Service has offered New Hampshire, Massachusetts, Maine, Rhode Island, Connecticut and Vermont clients experienced and timely pipeline services. Related duties include video pipeline inspection, catch basin cleaning, manhole rehabilitation, pipeline cleaning, and pipeline rehabilitation. Trenchless sewer repair is something Eastern Pipe specializes in. Why make a mess if you don't have to? Our trenchless sewer repair team retains the integrity of both pipeline and the surrounding area of any given pipeline project.

### **Eastpoint Lasers, LLC**

#43

5 Eastpoint Drive, Unit # 1

Hooksett, NH 03106

Representative: Mike Vaughn

Phone: (603) 496-6926

Email: mike@eastpointlasers.com

Website: www.eastpointlasers.com

**Company Description:** Supplier of survey instruments, supplies, and computer software

### **F.R. Mahony & Associates, Inc.**

#44

273 Weymouth Street

Rockland, MA 02370

Representative: Henry Albro

Phone: (781) 982-9300

Email: henryalbro@frmahony.com

Website: www.frmahony.com

**Company Description:** F.R. Mahony & Associates, Inc., a manufacturers' representative/distributor for water and wastewater treatment equipment, represents Environment One—low pressure, low impact, sewer collection systems. We also manufacture the Amphidrome® Advanced Treatment Solutions—the next generation in nitrogen removal with low visibility and minimal site impact.

### **F. W. Webb Company**

#31

218 Knox Marsh Road

Dover, NH 03820

Representatives: Jim Paulhus / Jeff Gobbi

Phone: (603) 749-3100

Email: sls34@fwwebb.com

Website: www.fwwebb.com

**Company Description:** F.W.Webb- our role as a distributor is simple: Supply the products and services that allow our customers to be competitive and profitable. Our extensive inventory and 11 locations in New Hampshire allows us to service your industry with the same high standards we've upheld since our company began in 1866. We look forward to contributing to your business success.

### **HD Supply Waterworks**

#21

232 Frontage Road

Manchester, NH 03103

Representative: Richard Bushnell, P.E.

Phone: (603) 263-7350

Email: richard.bushnell@hdsupply.com

Website: www.hdswaterworks.com

**Company Description:** HD Supply Waterworks is a leading distributor of Water, Sewer, Drainage, and Erosion Control products nationwide. We are an authorized distributor of Presby Environmental and carry all products necessary to install a complete system, whether a pump or gravity system.



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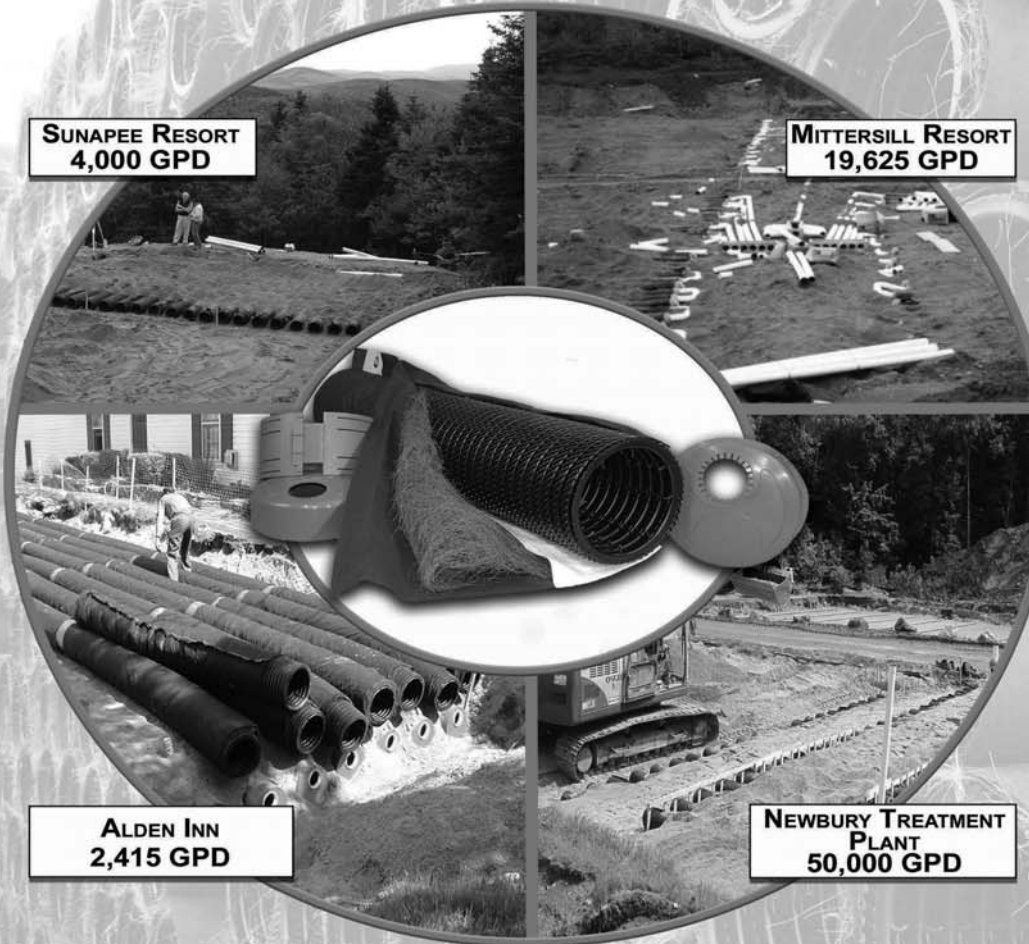
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**Infiltrator Water Technologies**

#34

4 Business Park Road  
Old Saybrook, CT 06475  
Representative: Dennis Healy  
Phone: (860) 577-7030  
Email: dhealy@infiltratorwater.com  
Website: www.infiltratorwater.com

**Company Description:** Infiltrator Water Technologies is the leading provider of engineered plastic chambers, synthetic aggregate leachfields, tanks, and accessories for the onsite wastewater and stormwater industries. Infiltrator is a pioneer in innovative plastic technologies for underground wastewater management. Onsite wastewater management, in which wastewater is treated and returned to the soil via septic system is Infiltrator's largest industry segment. Infiltrator's innovative plastic solutions offer significant advantages over traditional materials including easier, faster, and more cost effective installation, reduced drainfield footprint area and greater design flexibility.

**J & R Sales and Service, Inc.**

#39

44 Commercial Street  
Raynham, MA 02767  
Representative: Lauren Usilton  
Phone: (508) 326-7327  
Email: laurenu@jrengprod.com  
Website: www.jrsalesinc.com

**Company Description:** J&R Sales and Service has been providing engineered solutions for the onsite industry in New England for over 20 years. We are the New England representative for the BioMicrobics FAST Treatment and GEOFLOW Subsurface Drip Dispersal systems. J&R is available to assist in site planning, system design, installation, and maintenance to meet the needs of virtually any onsite treatment requirement.

**Liberty Pumps**

#26

7000 Apple Tree Avenue  
Bergen, NY 14416  
Representative: Dave Kinnier  
Phone: (585) 491-1817  
Email: ldave-kinnier@comcast.net  
Website: www.libertypumps.com

**Company Description:** Headquartered in Bergen, NY, Liberty Pumps is a leading U.S. manufacturer of pumping products for ground water and wastewater removal in residential and commercial applications. With a focus on innovative product design, our wide range of pump styles includes; sump pumps, sewage pumps, effluent pumps, drain pumps, grinder pumps, complete pre-assembled sewage packages, and pump accessories. Utilizing a vast network of Plumbing Wholesalers and Pump Distributors, Liberty's products are relied on globally by hundreds of professional contractors each day.

**Maine Technical Source, Inc.**

#10

494 US Route One  
Yarmouth, ME 04096  
Representative: Mike Gage  
Phone: (207) 232-6277  
Email: mgage@mainetechnical.com  
Website: www.mainetechnicalsource.com

**Company Description:** Maine Technical Source, Inc. is a sales, service, and support company for GPS surveying and construction equipment servicing the New England and New York markets.

**National Safety Council of Northern New England #1**

2 Whitney Road, Suite 11  
Concord, NH 03301  
Phone: (603) 229-3393  
Email: davidh@nscnne.org  
Website: www.nscnne.org

**Company Description:** The National Safety Council of Northern New England is a membership-based, 501-C3 non-profit organization. We provide safety training programs at our Training Center in Concord, NH, or at a customer's business site, or online. Our programs include OSHA Compliance Courses, First Aid, Forklift and Defensive Driving. We also sell safety products including training books and AED's.

**New England Laser**

#17

8 Reeds Mill Road, P.O. Box 757  
Newport, NH 03773  
Representative: Alan LaRose  
Phone: (603) 863-0833  
Email: alan@newenglandlaser.com  
Website: www.newenglandlaser.com

**Company Description:** New England Laser Sells and services survey equipment as well as construction laser and machine control equipment. We service ALL makes and models. Training and support is free with all equipment purchases.

**NH DES Residuals Management**

#11

P.O. Box 95  
Concord, NH 03302  
Representative: Ray Gordon  
Phone: 603-271-3571  
Email: ray.gordon@des.nh.gov

**Company Description:** The New Hampshire Department of Environmental Services – Wastewater Engineering Bureau is responsible for ensuring proper design construction and operation of wastewater treatment facilities (WWTF). Come see our display this year on "What's Flushable" as we showcase items that affect sewer systems as well as septic systems.

**NH DES Subsurface Systems Bureau**

#12

P.O. Box 95  
Concord, NH 03302  
Representative: Rob Tardif, P.E.  
Phone: 603-271-2904  
Email: robert.tardif@des.nh.gov  
Website: www.des.nh.gov

**Company Description:** The Subsurface Systems Bureau of the New Hampshire Department of Environmental Services is responsible for the proper installation, operation, and maintenance of individual commercial and residential septic systems installed in the state of New Hampshire. We provide training and testing to assure that permitted installers and designers are familiar with the administrative rules and the proper procedures concerning the design and installation of these systems. We provide continuing education courses for installers and designers to ensure that they are familiar with the most current

methods of design and installation and are current on changes to our administrative rules. We also work with municipal officials, including health officers and code enforcement officers, to address complaints about improper design and installation of septic systems. We investigate complaints concerning improper design or installation of systems, design or installation of systems by unpermitted individuals, and the failure of septic system owners to properly maintain their systems or repair or replace these systems when they fail. In certain cases, we work with the New Hampshire Department of Justice to obtain compliance with our administrative rules when failure to comply could result in a significant threat to public health or safety.

### **NH Innovative Septic Systems**

#38

30 Alfano Drive  
Enfield, NH 03748  
Representative: Mark Kelley  
Phone: (603) 632-5069  
Email: m.c.kelley@comcast.net  
Website: www.cur-tech.com

**Company Description:** New Hampshire Innovative Septic Systems-Sole Distributor for Cur-Tec Leaching Systems in NH

- **ADVANTAGES:** Higher square foot credit: Anybody can install easily: Large liquid storage capacity: Eliminates crushed stone: Tested H-20: For new systems and renovations. NO VENTS NEEDED.
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### **Oakson, Inc.**

#6

6 Sargent Street  
Gloucester, MA 01930  
Representative: Dan Ottenheimer  
Phone: (978) 282-1322  
Email: info@oaksoninc.com  
Website: www.oaksoninc.com

**Company Description:** New England's leading distributor of the Perc-Rite Drip Dispersal System which is now fully approved in New Hampshire, Massachusetts, Vermont, Maine, as well as 30 other states. In use for 30+ years in the U.S. & Canada for wastewater disposal and water re-use, Perc-Rite's superior qualities include the unique ability to handle primary, secondary, or tertiary effluent. Oakson Inc.'s newest product line includes rainwater capture systems

### **Orenco Systems, Inc.**

#29

88 Salem Road  
Lyme, CT 06371  
Representative: Blake Johnston  
Phone: (860) 501-5969  
Email: bjohnston@orenco.com  
Website: www.orenco.com

**Company Description:** Orenco Systems designs and manufactures leading-edge equipment for onsite and decentralized wastewater systems. Products include watertight tanks; pumping and filtration systems; secondary treatment systems (including AdvanTex® filters); community collection systems; and both standard and custom controls. Founded in 1981, Orenco employs approx. 265 people and sells throughout the world.

### **Pepin Precast**

#4

59 Shaw Road  
Sanford, ME 04073  
Representative: Luke Pepin  
Phone: (207) 324-6125  
Email: luke@rpepin.com  
Website: www.rpepin.com

**Company Description:** Precast concrete products specializing in septic tanks, retaining wall blocks, frost posts, precast stairs, man-holes and catch basins, etc. The newest division of R. Pepin and Sons ready-mixed concrete and aggregates, we also have washed sand and washed stone as well as all septic system and leaching components.

### **Polylok, Inc.**

#32

3 Fairfield Blvd.  
Wallingford, CT 06492  
Representative: Bruce Houser  
Phone: (877) 765-9565  
Email: bruce@polylok.com  
Website: www.polylok.com

**Company Description:** Polylok, Inc. is an international supplier of plastic injection molded products for the precast concrete, drainage, and onsite wastewater industries. Polylok offers the largest selection of gravity effluent filters for commercial and residential uses. Our extensive line of risers, covers and rebar spacers are used throughout the world. We have expanded our pump product offerings to include a full suite of effluent, sewage and grinder pumps, as well as a full line of tank and filter alarms, simplex and duplex controls, time dose panels and onsite accessories. Visit our website at www.polylok.com to learn more about these and other products.

### **Presby Environmental, Inc.**

#24 & 25

143 Airport Road  
Whitefield, NH 03598  
Representative: Lee Rashkin  
Phone: 1-800-473-5298  
Email: info@presbyeco.com  
Website: www.presbyenvironmental.com

**Company Description:** Presby Environmental, Inc. (PEI), founded in 1995 by inventor and entrepreneur David Presby, is an innovative environmental organization that engineers new technology to change the way the world approaches wastewater treatment. Today the company is working at the cutting edge of water pollution control to help protect and preserve our most precious natural resources.

### **Pump Systems, Inc.**

#22

P.O. Box 269  
Franklin, NH 03235  
Representative: John E. Benham  
Phone: (603) 934-7100  
Email: info@pumpsystemsinc.com  
Website: www.pumpsystemsinc.com

**Company Description:** Wholesale distribution of a full line of quality Sta-Rite effluent and sewage pumps as well as switches, alarms, valves, pipes and fittings



**R.E. Prescott Co., Inc.**

#5

10 Railroad Avenue  
Exeter, NH 03833  
Representative: Steve Burrows  
Phone: (603) 772-4321  
Email: steve@represcott.com  
Website: www.represcott.com

**Company Description:** Founded in 1954, the R.E. Prescott Co. carries a complete line of pumps and related equipment for water and wastewater applications. We are a full service water system supplier with an in-house pump repair shop, machine shop, UL508 control panel manufacturing services, and metal fabricating. We offer professional engineering services for the design of community water and wastewater pump stations, pressure booster systems, and filtration systems. Our customers are mechanical/electrical contractors, industrial companies, and municipalities all over New England.

**Septic Preservation Services**

#18

38 Harold Sweet Drive  
Attleboro, MA 02703  
Representative: Jim Boucher  
Phone: 207-651-1747  
Email: jim@septicpreservation.com  
Website: www.septicpreservation.com

**Company Description:** Septic Preservation Services has been serving all of New England for over 25 years. Starting with Septic inspections we have continually grown to meet the needs of the wastewater industry as well as the community it serves. We currently are a leader in the wastewater sales, service and installation services. Meeting and surpassing the industry and customer needs.

Our service is customer driven and engineering minded. We service all Advanced Treatment Systems, old and new. From Over Board Discharge type systems to commercial industrial strength waste. We have certified wastewater operators on staff to meet the requirements of each state we service.

Installation. We are certified to install and maintain all product we sell and a few more we do not.

Our sales and distribution product line continues to grow by adding new innovative products such as the Fuji Clean wastewater treatment system. Fuji Clean is new to the USA but is the #1 advanced treatment system in the world with over 2 million systems installed and running. This innovative system has major advantages is size and cost over other advanced treatment systems. It also allows for a 75% reduction in drain field size in NH. Along with distribution of other wastewater products we are uniquely qualified to assist in detailed product information, service and installation.

**SeptiTech/BioMicrobics Maine**

#40

69 holland Street  
Lewiston, ME 04240  
Representative: Tracey Rioux  
Phone: (207) 333-6940  
Email: trioux@septitech.com  
Website: www.septitech.com

**Company Description:** SeptiTech manufactures a patented, PLC controlled, onsite wastewater treatment system for residential and commercial (up to 100,000-gpd) applications. Customized treatment programming designed to meet individual site needs assures robust, consistent, reliable treatment. Certified to ETV, NSF-40 and NSF-245 standards, conventional treatment achieves 98% BOD5 and TSS removal and for nitrogen reduction systems, total nitrogen to 19 mg/l

or below. All systems include internal discharge pumps and capacity for remote diagnostics and monitoring. With thousands of installed systems, SeptiTech offers a proven, versatile technology to meet virtually any treatment requirement or condition.

**Shea Concrete Products**

#23

87 Haverhill Road  
Amesbury, MA 01913  
Representative: Greg Stratis  
Phone: (978) 388-1711  
Email: gregs@sheaconcrete.com  
Website: www.sheaconcrete.com

**Company Description:** Shea Concrete is one of New England's largest and most trusted suppliers of precast concrete products to quality-conscious contractors, engineers, and homeowners. As a NPCA certified company, we produce thousands of environmentally friendly concrete products including sewage and drainage systems, barriers and curbs, utility structures, and building and Shea retaining walls. We also produce precast concrete bulkheads, side entry and standard steps, as well as brick steps. Whatever your project, you can count on us for precast products that are easy to install, durable, and affordable.

**Water Industries, Inc.**

#30

74 Suncook Valley Road  
Alton, NH 03809  
Representative: Mike Carleton  
Phone: (603) 875-7000  
Email: m.carleton@waterindustriesinc.com  
Website: www.waterindustriesinc.com

**Company Description:** Located in Alton since 1963, Water Industries is an established distributor of water and wastewater pumping equipment. Our continued objective is to supply NH and VT in municipal, industrial, commercial, and residential markets as well as working with engineers and septic designers to specify the latest in pumping and onsite technologies along with related equipment. We pride ourselves on the level of service that we provide along with a vast inventory and knowledge of the products that we sell. With over a century of combined experience, our staff is ready to assist you on your next project.

**William N. Lamarre Concrete Products, Inc.** #42

87 Adams Hill Road, P.O. Box 333  
Greenville, NH 03048  
Representative: Marie Joerger  
Phone: 603-878-1340  
Email: mjoerger@aol.com  
Website: www.lamarreconcrete.com

**Company Description:** William N. Lamarre Concrete Products, Inc. is a family-owned company serving the New Hampshire and Massachusetts area for 52 years. Visit us on the web at www.lamarreconcrete.com. Manufacturers of septic tanks, commercial tanks, tunnel tanks, box culverts, arches, bottomless culverts, wetlands crossings, fire cisterns, drywells, manholes, catch basins, steps, bulkheads and wall blocks. Suppliers of Singulair Bio-Kinetic System, Presby Enviro Pipe, Geo Flow Pipe, Infiltrator Chambers, Storm Tech Chambers, Cultec Chambers. We also carry a full line of pipe including ADS, N12, PVC, SDR35, SCH40 as well as pumps and accessories, cast iron and hatches

# ABOUT CONTINUING EDUCATION APPROVALS

## Continuing education approval is approved for the following:

- **N.H. State Permitted Designers and Installers:**

3 continuing education contact hours per day by the NHDES Subsurface Systems Bureau

- **GSDI Certified Septic Evaluators:**

3 contact hours per day

- **Massachusetts (NEIWPC) Soil Evaluators (SE) and System Inspectors (SI):**

3 training credit hours (TCHs) per day plus 1 TCH for visiting the exhibit hall (T516-0009)

- **Vermont Class A and Class B Licensed Designers:**

4 non-soil continuing education credits per day

- **NH Certified Wetland/Soil Scientists:**

Per March 2011 changes to the administrative rules of the NH Joint Board, the board does not pre-approve programs. As a CWS/CSS, you are to determine the applicability of a particular hour(s) of session time to the practice of wetland or soil science. Please note that the Ethics Program will offer two hours of credit good toward your renewal. Participation requires that you indicate attendance by pre-registering on the registration form.

## Continuing education approval is pending for the following:

- **Maine Site Evaluators, Certified System Installers, and Certified System Inspectors:**

4.5 professional development hours per day

All certificates of attendance will be given out at the end of each day's program. Please plan your travel schedule accordingly.

## A Word about Recycling at the Conference...

GSDI would like to recycle as many conference badge holders and lanyards as possible. If you are with us for Monday only, please return your badge and lanyard to the GSDI registration desk as you visit the foyer area to sign-out and pick up your certificate of attendance. If you are with us for both days or Tuesday only, please return your badge and lanyard to the GSDI registration desk on Tuesday as you visit the foyer to sign-out and pick up your certificate of attendance.

# Thanks to Our Conference Planning

## Committee Members

### Committee Chair:

Carl Hagstrom, Monadnock Septic Design, LLC

### And The Dedicated Committee Members:

Deborah Hinds, Hinds Septic Design Services

Gary Spaulding, Advanced Onsite Solutions, LLC

Tom Canfield, Canfield Earth Construction

Scott Hagstrom, Monadnock Septic Design, LLC

Jim Hanna, JD Hanna Excavating



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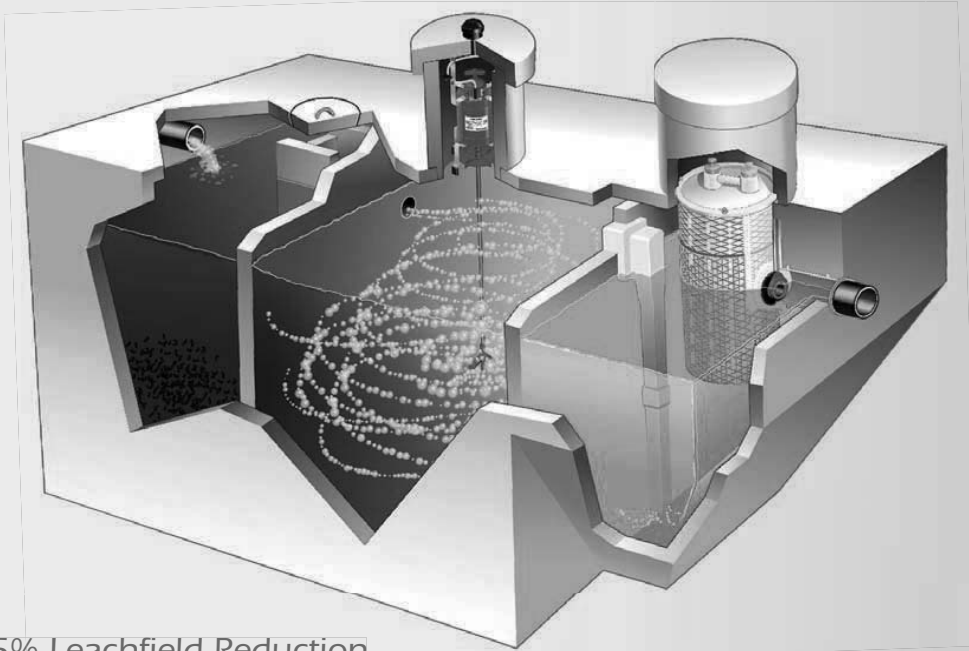


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(603) 763-7440 / jwohler@tds.net

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(603) 934-3113 / deb@hindsdesigns.net

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### Vice Chair-Pumpers:

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(603) 624-0226 / larry@maznekseptic.com

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(603) 848-5606 / aaron@aec-nh.com

## Directors:

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Scott Hagstrom, Monadnock Septic Design, LLC  
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Chris Kent, Kent Clean Septic Service, LLC  
(603) 668-5368 / ksept@comcast.net

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### Affiliate Liason:

Jerry Mailloux, Shea Concrete Products  
(603) 231-1685 / jerrym@sheaconcrete.com

### Finance & NH Shoreland Advisory Council Rep:

Gary Spaulding, Advanced Onsite Solutions, LLC

### NH Water Council Rep:

Deborah Hinds, Hinds Septic Design Services

### Legislative & Rules:

Gary Spaulding, Advanced Onsite Solutions, LLC

### Membership & Scholarship:

Randy Orvis, Geometres Blue Hills, LLC

### Prof. Development & Septic Inspection:

Thomas Canfield, Canfield Earth Construction  
(603) 332-1413 / tcanfield107@gmail.com

## GSDI Staff:

### Walter Perry, Executive Director

(603) 228-1231 / wperry@cornerstoneam.com

### Matt Gatzke, Program Administrator

(603) 228-1231 / mattgatzke@cornerstoneam.com

### Dee Rainville, Operations Manager

(603) 228-1231 / drainville@cornerstoneam.com

### Michelle Robert, Administrative Assistant

(603) 228-1231 / mrobert@cornerstoneam.com

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## Need to contact us?

### Granite State Designers and Installers Association

53 Regional Drive, Suite 1 | Concord, NH 03301

Phone: (603) 228-1231 | Fax: (603) 228-2118

Email: [info@gsdia.org](mailto:info@gsdia.org)

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