



Clearwaters

New York Water Environment Association, Inc.

NYWEA Board of Directors

Officers

- President** Thomas J. Lauro, New Rochelle
- President-Elect** Robert Kukenberger, Syracuse
- Vice President** Bruce Munn, Cazenovia
- Vice President-Elect** Thomas Whetham, Buffalo
- Immediate Past President** Janice Jijina, Woodbury
- Treasurer** Nicholas Bartilucci, Woodbury
- WEF House of Delegates** J. Kirk Rowland, Tonawanda

Chapter Representatives

- Capital** Gerard S. Moscinski, Troy
- Central** Ken Knutsen, Liverpool
- Genesee** Doug Alaimo, Avon
- Long Island** Steven A. Fangmann, Woodbury
- Lower Hudson** John Sansalone, New Paltz
- Metropolitan** Richard Gardner, Glen Cove
- Western** Bryan T. Smith, Buffalo

Committee Representatives

- Jean Malafrente, New York
- Anthony DellaValle, Jackson Heights
- Randy Ott, Syracuse

Young Professionals Representative

- Vincent Apa, Latham

Operator Representative

- William Grandner, Brooklyn

- House of Delegates** J. Kirk Rowland, Tonawanda
Robert Adamski, Brooklyn

Committee Chairpersons

- Awards** Robert Butterworth, Cazenovia
- Environmental Science** Philip Sears, New York
- Exhibits** Anthony DellaValle, Jackson Heights
- Government Affairs** Daniel Bentivogli, Buffalo
- Humanitarian Assistance** Jean Malafrente, New York
- Industrial Wastewater** Ed Powers, White Plains
- Membership** Michael Memoli, Woodbury
- Pre-treatment Coordinators Program** Harry Reiter, Rochester
Paul McGarvey, Amherst
Richard Pope, White Plains
- Public Education** Donna Potorti, Woodbury
- Publications** Robert D. Hennigan, Syracuse
- Research** Kathleen O'Connor, Albany
- Residuals & Biosolids** Jeff LeBlanc, Jordan
- Safety** Paul Zoltanetzky, Brooklyn
- Scholarship** Alfonso Lopez, Corona
- Small Communities** Vacant
- Sponsors** Joe Massaro, College Point
- Spring Meeting Conf. Management** David Barnes, Buffalo
- Student/University** Walter Saukin, Riverdale
- Wastewater Collection System** Tim Miller, Albany
- Wastewater Facilities** Gerard Moscinski, Troy
- Watershed** Fred Schuepfer, Pearl River
- Young Professionals** Joe Fiegl, Buffalo

Executive Director and Staff

- Executive Director** Patricia Cerro-Reehil
- Director of Special Projects** Robert D. Hennigan
- Advertising Manager** Maureen Kozol
- Administrative Manager** Margaret Hoose

Clearwaters Magazine

- Executive Editor** Robert D. Hennigan
- Editor** Lois Hickey
- Design** Sabach Design

www.nywea.org

President's Message 4
Thomas Lauro

Executive Director's Message 5
Patricia Cerro-Reehil

Water Views 9
Sandra L. Allen

Focus on Safety 9
Eileen Reynolds

Long Island Sound – An Urban Sea Change 10
Mark Tedesco

TMDL Modeling for Long Island Sound 14
John P. St. John, James J. Fitzpatrick and Robin Landeck Miller

Municipal Phase II Stormwater Management – Protecting and Restoring Long Island Sound 25
Eileen Keenan

Suffolk County's Nonpoint Source Reduction Plan 29
Vito Minei and Martin Trent

Every Pound Counts: Status of Point Sources into the Sound 30
Ben Wright

Westchester County's Success Story Using Biofiltration 35
Frederick M. Kincheloe, Ralph Butler, Thomas Lauro and R. Srinivasaraghavan

IFAS/MBBR Testing at Mamaroneck for Long Island Sound Nitrogen Limits 40
Nancy Choi, Heather Phillips, Terry L. Johnson, Ralph Butler and Thomas Lauro

New York City's Nutrient Removal Strategy 46
Allen Deur

Stamford Water Pollution Control Authority's BNR Program 50
Jeanette Brown

Corps: Environmental Restoration Is Possible 58
JoAnne Castagna

The cover image shows the scenic shore of Southold, NY. Signs that ban shellfishing (inset photo) appear in a number of locations around Long Island Sound, a warning of pathogen contamination. Photos by Eileen Keenan, New York Sea Grant NEMO.

The concepts, ideas, procedures and opinions contained in the articles in this publication are those as expressed by the various authors who submit the material for publication. The New York Water Environment Association, its board of directors, the editor, the executive director, and administrative staff hereby assume no responsibility for any errors or omissions in the articles as presented in this publication; nor are the concepts, ideas, procedures and opinions contained in these articles necessarily recommended or endorsed as valid by NYWEA, its board of directors, the editor, the executive director, or staff.

CLEARWATERS (USPS 004-595) (ISSN 01642030) is published quarterly with a directory every four years in the fall by the New York Water Environment Association, Inc., 525 Plum Street, Suite 102, Syracuse, NY 13204. Subscription is through membership; public subscription is \$25.00/year. PERIODICALS postage paid at Syracuse, NY. POSTMASTER: Send address changes to the New York Water Environment Association, Inc., 525 Plum Street, Suite 102, Syracuse, NY 13204.

♻️ Clearwaters is printed on recycled paper.