



# METALLAGRAM

LONG ISLAND CHAPTER



Volume 65 Issue 6

Chapter website: <http://DoL1.eng.sunysb.edu/asm/>

## Past Chairs Night

**Next Meeting . . . . . Wednesday February 21<sup>st</sup>, 2024**

Where: Pollo Rico Latin Bistro, Centereach, NY

Topic: Low-Nitrogen Sanitary Wastewater Treatment

Speaker: Elyssa Torres, Roux Environmental Engineering and Geology

Social hour ... 6:00 pm Dinner ... 7:00 pm Meeting ... 8:00 pm

Members ... \$25 Guests ... \$27 Students ... \$15

(New and recently transferred-in members free)

Reservations appreciated – contact Dan Migliorino  
at [MigliorinoDan@gmail.com](mailto:MigliorinoDan@gmail.com) or 516-468-9615

Pollo Rico is located at 2435 Middle Country Road (Rte. 25), Centereach. Probably the simplest way to get there from the LIE is to take Exit 62 (Nicolls Road) and go north on CR 97 (towards Stony Brook). Continue north for about 3 miles then take the exit to Rte. 25. At the traffic signals at the end of the ramp go left and head west (Smithtown). The restaurant will appear after about 1.5 miles, on the right side of the highway. Their telephone number is 631-471-0585. Their website is: <http://www.polloricolatinbistro.com/>

## The Speaker

Elyssa Torres is a Staff Engineer II at Roux Environmental Engineering and Geology, D.P.C., an environmental consulting firm headquartered in Islandia, NY. She started at Roux in 2020 after graduating from Stony Brook University with dual majors in Engineering Science and Sustainability Studies. She has been a full-time employee at Roux since, spending much of her first two years working as a field manager performing construction oversight, site investigations, and sampling events. Her areas of focus are on wetland delineations, wetland permitting, wildlife/ecological monitoring, sanitary wastewater treatment systems, and product recovery/groundwater treatment systems. Since spring of 2022, she has gained specialized skill in the design and permitting of sanitary wastewater improvement projects in cooperation with the New York State Center for Clean Water Technology (NYS CCWT) at Stony Brook University for multiple pilot Sites in Suffolk County.

## The Topic

The push for low-nitrogen sanitary wastewater treatment has exploded in the last several years, especially in sensitive areas such as eastern Long Island and coastal towns where sewer connections are unavailable or infeasible. Quality in surface water and groundwater is an increasing concern as algal blooms become more common, threatening tidal and palustrine ecosystems and causing public health and safety risks. Suffolk County Department of Health Services (SCDHS) has expanded the guidance on sanitary wastewater treatment to include Innovative/Advanced Onsite Wastewater Treatment Systems (I/A OWTS's) for residential properties and many towns have created their own incentives for homeowners to improve their sanitary systems. Roux has been working with SCDHS and the NYS CCWT to provide novel low-nitrogen treatments to residential and commercial properties by implementing pilot designs across a handful of sites, with the goal of adding this form of treatment into the County guidelines and making it widely accessible. Treatment methods will be discussed from concept through implementation, with examples from key case studies.



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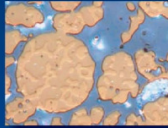
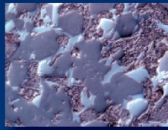
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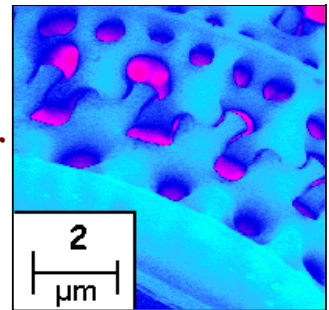
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## ON-LINE FORUM

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<https://www.asminternational.org/communities>

## Long Island Chapter Meeting Schedule

- Feb 21, 2024** Elyssa Torres, Roux  
Water Treatment @ Pollo Rico
- Mar 20, 2024** Greg Smith, Rimkus  
Failure Analysis @ Pollo Rico
- April 17, 2024** Student Night  
Senior Design, Posters/Presentations  
Old Field Club, West Meadow Beach
- May TBA** Exec. Meeting, Scheduling

## Metro NY-NJ Chapter

[www.asminternational.org/web/metro-nynj-chapter](http://www.asminternational.org/web/metro-nynj-chapter)

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