

Sewer Leaks

A Publication of the Los Angeles Basin Section of CWEA

June 2023



ANNOUNCEMENT

Feature Your Project in the Issue of Sewer Leaks

The Los Angeles Basin Section is thrilled to feature a plant or project in our next newsletter. If you are proud of a project, have insights or lessons learned, or have data to share, please submit an email to sophialuu@lacsds.org with the article content and a brief bio about the writer. Page limit is 1 page text or 2 pages with photos. We look forward to hearing about your awesome projects.

– Sincerely, the LABS Board.

P3S Leader John Boyd has Passed Away

By Stephen Sealy, Shannon Simmers, and Alec Mackie

The CWEA community is heartbroken to learn about the passing of John Boyd, a Supervising Industrial Waste Inspector for Los Angeles County Sanitation Districts and past chair of CWEA's Pretreatment, Pollution Prevention, and Stormwater Committee. John passed away January 29th, the day before this year's P3S Conference in Monterey was set to begin. He was passionate about the conference, deeply involved in planning, and a highly regarded wastewater leader.

To continue reading, please visit the CWEA website or with this [link](#).

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Photo by Salvador Ochoa

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Top Golf Networking Event

Members of LABS put their driving range skills to the test at Topgolf this past May. A little friendly competition mixed with great food and beverages made for a great evening. Thanks to everyone who came out and made it an event for the books!



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Getting Hyperion WRP to 100% Water Recycling

Huub Cox, Nasir Emami, and Christina Jones welcomed the LABS members at the Hyperion WRF to see the latest updates on the water recycling program. Huub Cox is the program manager of the Hyperion 2035 Program, Nasir Emami is project manager of the Hyperion Membrane Bioreactor Pilot Facility, and Christina Jones is project manager of the Hyperion Advanced Water Purification Facility. The team provided a short overview of the Hyperion 2035 program goals, the current status of program development, the advanced water purification processes that are being considered, and some of the technical challenges each project is encountering.

The tour highlighted the Hyperion Membrane Bioreactor Pilot Facility and Hyperion Advanced Water Purification Facility projects that are 90% complete. The LABS members were impressed with the construction progress and seeing the steps the City are taking to make 100% water recycling a reality. We are looking forward to



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Relativity Space

By John Boyd

On Thursday, October 20th about 25 CWEA LABS members gathered in the late afternoon in front of the lobby of Relativity Space in Long Beach. Relativity is a new company formed in 2015 with the ambitious goal of manufacturing rockets using “additive manufacturing” technologies, i.e., 3D printing of metal components, to quickly, cheaply, and efficiently manufacture large rockets capable of delivering payloads, and eventually astronauts, into space. The company is currently on the cusp of their first launch, a 110’ tall “Terran 1” rocket made at the Long Beach facility.



Terran 1 rocket first stage during assembly.

After checking in, the LABS members were split into 3 groups to tour the facility. The tour then proceeded to the Aeon rocket engine assembly area, before moving on to the signature large 3D “print cells” where everything from rocket engines and nozzles to the huge 8’ diameter fuel and oxidizer tanks are made. While one can’t directly observe the components being additively manufactured due to dangers of exposure to the process, you can observe the manufacturing in progress through large flat screens monitors mounted just outside the curtained off cells.

The tour finished at the outdoor test stand area where finished tanks were hydrostatically leak tested prior to final stacking and assembly. The tour took about an hour and was followed by a group photo taken back in front of the lobby prior to all adjourning to dinner at the nearby El Torito restaurant. Dinner included an informative 30-minute PowerPoint presentation by Mr. Abille and insightful comments by LACSD Environmental Compliance Inspector Jason Finn who suggested the tour. Many thanks to Relativity’s managers for their willingness to show us their operation and their patience with us asking our decidedly non-rocket scientist level questions.



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Upcoming Events

6/21/23

Event: Seven Habits of Highly Effective PFAS Source-Trackers - Live Webinar

Featuring: Kyle Thompson, Reuse Lead Technologist / National PFAS Lead, Carollo Engineers

Location: Online Wastewater Education Network

Link: [Seven Habits of Highly Effective PFAS Source-Trackers - Live Webinar](#)

PFAS IN CALIFORNIA

Seven Habits of Highly Effective PFAS Source-Trackers

CWEA

Santa Ana River Basin Section

6/28/2023

Event: The Role of Innovation in the Nation's Quest for Reduced Effluent Nutrient Loads - Live Webinar

Featuring: John Fraser, National Wastewater Practice Director and Rajesh Doppalapudi, Southern California Regional Wastewater

Location: Online Wastewater Education Network

Link: [The Role of Innovation in the Nation's Quest for Reduced Effluent Nutrient Loads - Live Webinar](#)

Nation's Quest for Reduced Effluent Nutrient Loads

owen.cwea.org

7/19/2023

Event: The Microscopic Examination of Activated Sludge Part 2: Analyzing your Floc - Live Webinar

Location: Online Wastewater Education Network

8/7/23 - 8/10/23

Event: 2023 Tri-State Seminar

Location: South Point Hotel and Casino, Las Vegas, Nevada

Link: [38th Annual Tri-State Seminar: Weird Science](#)

9/30/23 - 10/4/23

Event: WEFTEC - 96TH Annual Technical Exhibition and Conference

Location: McCormick Place, Chicago, IL

Link: [WEFTEC - 96TH ANNUAL TECHNICAL EXHIBITION & CONFERENCE](#)

96TH ANNUAL WATER ENVIRONMENT FEDERATION TECHNICAL EXHIBITION AND CONFERENCE

McCormick Place | Chicago, Illinois USA

Conference: September 30 - October 4, 2023

Exhibition: October 2-4, 2023

10/1/23

Event: Wastewater Disease Surveillance Summit (free in-person and virtual options)

Location: Chicago, IL and online

Link: [Wastewater Disease Surveillance Summit](#)

WASTEWATER DISEASE SURVEILLANCE SUMMIT
OCTOBER 1

HILTON CHICAGO
CHICAGO, IL

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LABS Annual Awards Banquet

After three years the LABS of CWEA brought back an amazing awards banquet. There was good food, good vibes, and better people. We were able to honor the amazing work of the LABS community and honor the event with extravagant door prizes. We cheers to the great work of the award winners and look forward to connecting the community the rest of the year!



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Top, from left: **President** Jenny Tanphanich, **Treasurer** Chris DeMonbrun, **Communications** Cody Duncan **Director** Bonnie Temple **Director** Todd McIntyre **Past President** Jennifer Thompson **Secretary** Brook Yared

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Recruiting New Members and Board Members

COME JOIN US!



CW^{EA}

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