



Welcome to the David Jenkins Technical Series Nutrient Removal Seminar

**Registration and Refreshments in Room 2
(Next Door)**

Seminar Starts at 9:00 AM Sharp!



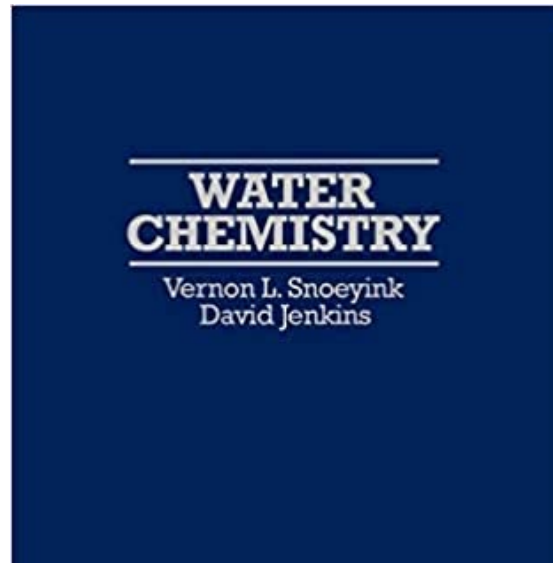
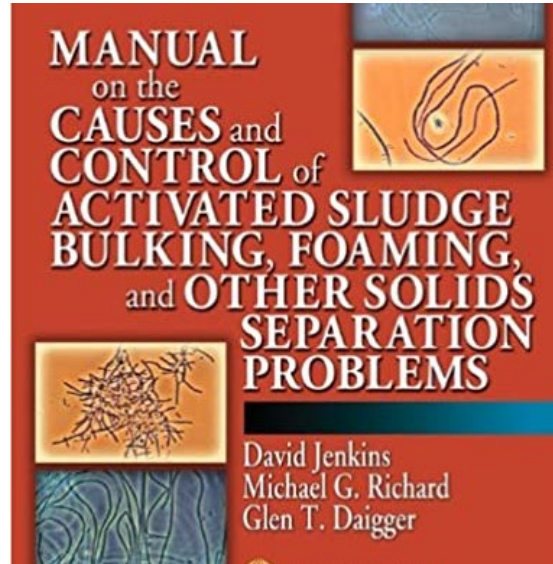
David Jenkins Technical Series Nutrient Removal Seminar

Krishna Pagilla

University of Nevada, Reno

August 29, 2024

Prof. David Jenkins (1935-2021)



Major areas of contribution “The Floc Doc”

- Water chemistry
- Selectors, foaming and bulking
- Chemical P removal
- Biological nutrient removal
- Troubleshooting activated sludge problems around the world!



Acknowledgements

- **San Francisco Bay Regional Water Quality Control Board**
 - Paola Castellanos
 - Brian Feng
 - Julie Haas
- **Bay Area Clean Water Agencies**
 - Lorien Fono
 - Jennifer Dymment
- **Carollo Engineers**
 - Andre Gharagozian
 - Jim Hagstrom



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Workshop Program

Goal: To provide technical knowledge to retrofit conventional wastewater treatment plants to accomplish nitrogen removal goals

Topics

- Nutrient Regulations and Impacts in the San Francisco Bay
- Develop a Nutrient Management Strategy or Roadmap
- Nutrient Removal Fundamentals
- Mainstream Activated Sludge Case Studies
- Intensification of Nutrient Removal Case Studies
- Sidestream Nutrient Removal Case Studies
- Multi-Benefit and Regional Case Studies
- Q&A and Speaker Panel Discussions
- Lunch Provided – Please Visit with Sponsors



Logistics and Facilities

- Short Breaks (2)
- Lunch Provided
- Visit Sponsors
- Restrooms
- Silence your phones
- Participation – Q&A and Discussions
- Punctuality



Professor David Jenkins Operator Scholarship



Professor David Jenkins has left a distinguished and influential legacy in education, research, and scientific advances in the water sector. Throughout his nearly 60-year career, he actively engaged operators both as Professor and later as Professor Emeritus at the University of California, Berkeley.

About the Scholarship

The Professor David Jenkins Operator Scholarship is being established in honor of his contributions and legacy to the wastewater operator community. This scholarship will provide up to \$10,000 to a wastewater operator to pursue a college education to further their career in the water sector. The Water Environment Federation (WEF) is building an endowment that will generate the annual funds to offer the scholarship each year in perpetuity.



How to Contribute

Donations can be made to the endowment fund online by visiting:



<https://www.wef.org/Jenkins-Scholarship>



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Or by mailing your donation to:

Water Environment Federation
Professor David Jenkins Endowment Fund
601 Wythe Street
Alexandria, VA 22314



Concluding Remarks

David Jenkins Technical Series

Future Workshop Topics

- Foaming and Bulking Issues and Intensification Strategies
- Greenhouse Gas Emissions (Nitrous Oxide and Methane) and Decarbonization Strategies
- Pathways to Potable Reuse





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Scholarship Endowment at WEF

- Endowment Amount - \$250,000
- Scholarship - \$10,000 to support a treatment plant operator to pursue college education to further their career in the water sector
- WEF will host and administer the scholarship
- Scholarship to be launched by the end of 2024 and awarded in 2025
- To-date, over \$200,000 raised for the endowment

- **We raised over \$26,000 from sponsors of this seminar**

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