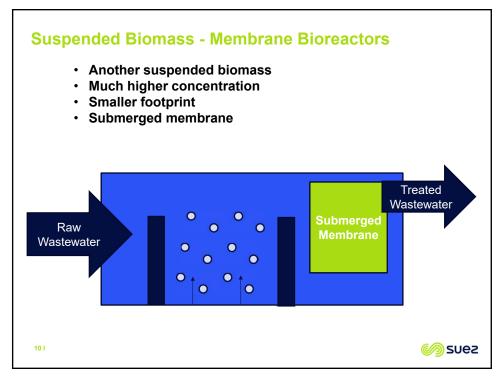
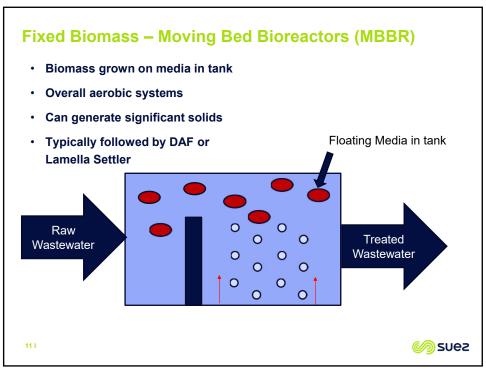


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Biochemical Oxygen Demand (BOD)

- Amount of oxygen required for microbial degradation of contaminants in water
- o Factors to Consider
- o Time 5 days at 20C
- Precision Wide range of +/-10-20% and limited reproducibility for treated waters
- Interferences samples containing microbial inhibitors like sanitizers, chlorine, salts

Chemical Oxygen Demand (COD)

- Amount of oxygen required for the chemical oxidation of contaminants in water
- o Factors to Consider
- Time 2-3 hours typically
- Interferences some organics are resistant to dichromate oxidation and chlorides, nitrite, ferrous iron, and sulfide may interfere
- Hazardous chemicals dichromate is toxic

Total Organic Carbon (TOC)

- Gross amount of organic matter found in water. Includes suspended particulate, colloidal, and dissolved organic matter
- o Factors to Consider
- Time < 10 minutes real time information for operational monitoring
- Accuracy and Precision typically within +/-5% over a large range (influent-effluent)
- Interferences robust TOC analysis can handle complex matrices with minimal interferences

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Q&A with Darin Clum, CEO of Top Water LLC



Adit Jatkar is the Global Product Application Specialist for the Sievers™ product line by SUEZ. Adit is responsible for the development and deployment of organics monitoring solutions for industrial and environmental markets.



Darin Clum is the CEO of Top Water LLC. Darin has over 20 years' experience holding multiple key roles from Regional Sales Director, Project Engineer, and Business Development Leader. He is focused on makeup water, process water and wastewater projects.





