

Akram Botrous

Executive Director, Office of Water Programs

- PhD, Environmental Engineering, University of Nebraska, Lincoln, Nebraska, 2003
- MS, Sanitary Engineering, IHE, Delft, Netherlands, 1999
- BS, Civil Engineering, Cairo University, Cairo, Egypt, 1992
- Professional Engineer, State of California
- Board Certified Environmental Engineer

Executive Director, Office of Water Programs, College of Engineering and Computer Science, Department of Civil Engineering, California State University, Sacramento, 2024 – Present

Regional Practice Leader, Stantec Consulting, Roseville, CA, 2005 – 2024

Selected projects:

- Lincoln WWTF expansion project, Lincoln, CA—Process and detailed design engineer
- Dixon WWTP design project, Lincoln, CA—Process and detailed design engineer
- Reno-Stead WWTP expansion project, Reno, NV—Process and detailed design engineer
- Flamingo WRC Secondary Treatment Aeration Basins and Clarifiers (150 MGD Expansion), Clark County, NV—Process design
- Eagle River WWTF Blower Upgrade, Eagle River, AK—Process and detailed design engineer
- San Andreas Wastewater Treatment Plant Upgrade, San Andreas, CA—Process and detailed design engineer
- Merced Wastewater Treatment Facility Simultaneous Nitrification Denitrification and Aeration System Upgrade, Merced, CA—Process and detailed design engineer

Professional Activities

- American Academy of Environmental Engineers & Scientists, Member
- Water Environment Federation, Member
- American Water Works Association, member
- Primary author, Chapter 10, “Primary Treatment,” in *Design of Water Resource Recovery Facilities*, MOP8, 6th edition, Water Environment Federation

Professional Interests

- Wastewater treatment research, consulting, and design
- Secondary treatment, solids handling, biological nutrient removal (BNR), and membrane bioreactors (MBR)
- Process simulation, hydraulic modeling, process optimization, troubleshooting, capacity assessment, and pilot studies