

Joint Conference: Residuals & Biosolids and Innovations in Treatment Technology

May 6 - 9, 2025 | Baltimore Convention Center, Baltimore, MD

Residuals & Biosolids

Date Time	Conference RB Session Title	Title of Paper	Hazen Contact
Tuesday, May 6th 8:30 am to 5:00 pm	Pre-Conference Workshop: Tour-shop A: Poop to Power! Piscataway BioEnergy Facility - Overview and Tour of WSSC's Innovative Biosolids to Energy Facility		 David Wankmuller  Yewei Sun  Matt Van Horne  Paul Le Bel
Wednesday, May 7th 11:10 am	RB Session 01: Water Research Foundation Projects to Understand PFAS Management in Biosolids	Update on WRF 5107 - Understanding Gasification for PFAS Removal	 Mohammad Abu-Orf
Wednesday, May 7th 2:30 pm	RB Session 05: Considerations for Long-Term Biosolids Planning	WRF#5169 Evaluation Innovative and Sustainable Treatment Options for Biosolids (WRF Project #5169)	 Micah Blate
Thursday, May 8th 1:30 pm	RB Session 15: Digestion Process Intensification and Sidestream Management Strategies	Sidestream Overview Processes Comparison	 Blair Wisdom
Thursday, May 8th 4:15 pm	RB Session 15: Digestion Process Intensification and Sidestream Management Strategies	Metro Water Recovery Implementation MagPrex, ANITA™ Mox-MBBR Process Interactions and Lessons Learned	 Blair Wisdom
Friday, May 9th 9:30 am	RB Session 21: Triple Bottom Line of Biosolids Master Planning	Finding Sustainable, Cost-Effective and Practical Solutions for Wastewater Solids Disposal at the City of Rio Rancho Facilities: A Case Study	 Rahul Subramanian
Friday, May 9th Alternate	RB Session 25: Advanced Thermal Processes for Sustainable Biosolids Management: Case Studies and Innovations	Thinking "Outside the Box" to Implement Advanced Biosolids Technologies	 Matt Van Horne

Joint Conference: Residuals & Biosolids and Innovations in Treatment Technology

May 6 - 9, 2025 | Baltimore Convention Center, Baltimore, MD

Innovations in Treatment Technology

Tuesday, May 6th
8:30 am to 5:00 pm

Pre-Conference Workshop:
Tour-shop A: Poop to Power! Piscataway BioEnergy Facility -
Overview and Tour of WSSC's Innovative Biosolids to Energy Facility



David Wankmuller



Yewei Sun



Matt Van Horne



Paul Le Bel

Date Time	Conference ITT SessionTitle	Title of Paper	Hazen Contact
Wednesday, May 7th 10:45 am	ITT Session 01: Navigating the Early Stages of a Career in Water		 Yewei Sun
Wednesday, May 7th 1:45 pm	ITT Session 05: How Do We Get to Know our Flocs and Granules Better? Method Development for DAS Systems	Theoretical Understanding and Successful Implementation of Kinetic Selection to Achieve Full-Scale Densified Activated Sludge (DAS)	 Yewei Sun
Wednesday, May 7th 3:45 pm	ITT Session 08: How do you DAS?	The Many Side Quests of DAS: Full-Scale Design Considerations and Operational Insights	 Wendell Khunjar  Kelly Florence
Wednesday, May 7th 4:30 pm	ITT Session 07: Design and Control of Low Energy Nutrient Removal for Nutrient Performance and Emissions	Technical Brief 1: Microbial Dynamics and Nitrification-Denitrification Performance in a Unique Tertiary MBR System Once Dominated by Comammox	 Bryce Danker
Thursday, May 8th 8:30 am	ITT Session 12: Control and Emission Considerations with Nitrite Production and Anammox Processes	Primary Effluent- and Glycerol-Driven PdNA for Large-Scale Potable Reuse: Maximizing Benefits from MBBR to IFAS Transition	 Yewei Sun
Thursday, May 8th 9:00 am	ITT Session 12: Control and Emission Considerations with Nitrite Production and Anammox Processes	Integrating Modified 3-Stage Process and PdNA with Arrested Anaerobic Digestion to Reduce GHG Emission from WRRFs	 Yewei Sun
Thursday, May 8th 11:15 am	ITT Session 15: Balancing Nutrient Removal, Settleability, and Emissions	Towards Unifying Densification and Low TN/TP Operations at the South Durham Reclamation Facility	 David Wankmuller
Thursday, May 8th 3:50 pm	ITT Session 20: Electrified Resource Recovery and PFAS Remediation	Electrochemical-Driven Partial Denitrification Anammox (EPdNA) Process for Nitrogen Removal in Wastewater Treatment	 Yewei Sun
Thursday, May 8th 4:50 pm	ITT Session 20: Electrified Resource Recovery and PFAS Remediation	Beginning of the End: Piloting Electrochemical Oxidation of PFAS Destruction in NM	 Conner Murray
Friday May 9th 8:50 am	ITT Session 24: Beyond Process: PdNA Design Innovations and Challenges	Control Systems for PdNA: Automating Success with Real-Time Data	 Yewei Sun
Friday May 9th 9:05 am	ITT Session 24: Beyond Process: PdNA Design Innovations and Challenges	PdNA Reactor Design Experiences: Innovations and Considerations	 Greg Pace
Friday May 9th 10:30 am	ITT Session 27: Application of Partial Denitrification in High Strength Wastewater	Partial Denitrification-Anammox Treatment of Reverse Osmosis Concentrate	 Bryce Danker
Friday May 9th 10:45 am	ITT Session 27: Application of Partial Denitrification in High Strength Wastewater	Advancing Ion Exchange-Enhanced Anammox: Applications in High- and Low-Strength Wastewater Treatment	 Yewei Sun
YP/Student Poster Session	Reducing the Inhibitory Effects on Ammonia Oxidizing Bacteria in Thermally-Hydrolyzed + Anaerobically-Digested Biosolids Sidestream Treatment		 Michaela Morales