

ADVISORY BOARD TRACK I



This Track provides presentations on current technologies and strategies, concerning water and wastewater management, including 316 (b), cooling towers, FGD, ZLD, coal ash, and remediation in the energy industry.

Monday | 1PM - 3PM

11. WASTEWATER MANAGEMENT



11.1 PARTNERING WITH BIG INDUSTRY TO REDUCE NUTRIENT POLLUTION

Sarah Gilstrap, Senior Environmental Scientist, Burns & McDonnell Engineering Company



11.2 CCR WATER SAMPLING AND ANALYSIS DATA QUALITY ISSUES

CO-CHAIR - David Thal, Principal Chemist, Environmental Standards, Inc.; Vitale, Gable, Dicken, Martin



11.3 A PROMISING ASH POND WATER TREATMENT METHOD UTILIZING FLYASH

Lisa Andrews, Environmental Engineer and Tom Radue, Vice President, Barr Engineering; Jeong-Yun Won, Barr Engineering; Maggie Skelton, Minnesota Power



11.4 EFFECTIVE CLARIFICATION TO MEET TIGHT TRACE METAL LIMITS

SESSION SPONSOR & CO-CHAIR - Dennis Fink, Water for Power Lead, Jacobs; Thomas E. Higgins and Mary McCloud



11.5 THERMAL EVAPORATIVE WASTEWATER TREATMENT: SCALE CONTROL & MGMT

Todd Whiting, Sr. VP Power Generation Operations, Purestream Services

Monday | 3:30PM - 5:30PM

12. WATER TREATMENT & FLOOD MITIGATION



12.1 A PARADIGM SHIFT IN WATER TREATMENT

Aaron Morrison, President & CEO, Chaoticwaters, Inc.



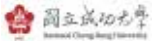
12.2 WATER UNDER THE BRIDGE - DETECTION & CONTAINMENT OF LEAKS & SPILLS

Chris Chase, Environmental Systems Manager, InterOcean Systems, LLC; Seung C. Lee, Shinhan Technologies Co., Ltd.



12.3 ALTERNATE SOURCE DEMONSTRATION USING MULTIVARIATE STATISTICS

CO-CHAIR - Natasha Hausmann, Senior Scientist, ERM; Brian Bjorklund



12.4 CAPACITIVE DEIONIZATION OF A METAL-CONTAMINATED UNDERGROUND WATER

H. Paul Wang, Professor, National Cheng Kung University, Chong, Nat'l Cheng Kung Univ; J. Wang, Univ. of Cal. San Diego; Wei, Tunghai University, Lin, National Tsing-Hua University



12.5 FLOOD MITIGATION MEASURES - WHEN, WHERE, AND HOW

Jeff Roushey, Senior Product Engineer, ILC Dover LP; Steve Brady



12.6 NEW YORK UNIVERSITY COMMITMENT AND INITIATIVES FOR SUSTAINABILITY

Bapanaiah Penugonda, Associate Professor/Group Practice Director, New York University Dentistry; P. Buccigrossi, D. Jung-Hyun, K. Baron

Tuesday | 7:30AM - 9:30AM

13. 316(b)



13.1 INTER-YEAR VARIABILITY IN IMPINGEMENT AND ENTRAINMENT RATES

Greg Seeger, Chief Ichthyologist, EA Eng.; J. Rager & J. Vondruska, EA; D. Dixon, EPRI



13.2 PEER REVIEWER IDENTIFICATION, SELECTION AND MANAGEMENT

CO-CHAIR - Christopher Wiggins, Sr. Aquatic Scientist, Burns & McDonnell



13.3 USE OF CFD TO OPTIMIZE A FISH RETURN DISCHARGE LOCATION

Nathaniel Olken, Principal Engineer, Alden Research Laboratory



13.4 A CONSORTIUM APPROACH TO 316(B) FOR FACILITIES ON THE MISSISSIPPI RIVER

Kurtis Schlicht, Technical Director, Environmental Resources Management



13.5 GREEN ALTERNATIVES FOR WATER SUPPLY DEVELOPMENT

Henry Hunt, Sr. Project Manager, Layne-Ranney



13.6 CASE STUDY OF RETROFITTING THE DAIRYLAND MADGETT PLANT INTAKE

CO-CHAIR - Brett DeRousse, National Account Manager, Hydrolox; Mike McCullick; Dairyland Power

Tuesday | 10AM - 12PM

14. FGD WASTEWATER & ZLD



14.1 INNOVATIVE FGD WASTEWATER TREATMENT AND ZLD OPTIONS

Malcolm Man, Executive Vice President, Saltworks Technologies, Inc.; Ben Sparrow



14.2 SELENIUM: HOW SULFUR'S LITTLE BROTHER COULD AFFECT WASTEWATER TREATMENT

CO-CHAIR - Nick Nelson, Vice President, Barr Engineering



14.3 ENTRAINMENT STUDIES AT THE ALLIANT EDGEWATER GENERATING STATION ON LAKE MICHIGAN

CO-CHAIR - Christopher Wiggins, Sr. Aquatic Scientist, Burns & McDonnell



14.4 USING BRINE ENCAPSULATION TECH. TO MANAGE POWER PLANT WASTEWATER

Clark Harrison, Director of Business Development, Purestream Services; Todd Whiting



14.5 WATER REUSE - ZERO LIQUID DISCHARGE IN A COMBINED CYCLE PLANT

Kenneth Chen, Process Specialty Engineer, Fluor Enterprises; Americus Mitchell, Joe Guida



14.6 COMBINED BRINE CONCENTRATION - SOLIDIFICATION FGD BLOWDOWN TREATMENT

Lanny Weimer, Market Dev./Global Product Mgr, SUEZ Water Technologies & Solutions

Tuesday | 1PM - 3PM

15. FGD WASTEWATER & ELG



15.1 PILOTING FOR SUCCESS

Krystal Perez, Industrial Water-Power Practice Lead, Jacobs; Tim Harrison, Heyward Suber; Jeffrey Tudini



15.2 FO TECHNOLOGY FOR FGD WASTEWATER PRODUCES ELG COMPLIANT STREAM

CO-CHAIR - Margarita Luis, Vice President - Inside Sales, Fluid Technology Solutions, Inc.; Fabian Solberg; Eisenmann



15.3 NEW NANO-FILTRATION TECHNOLOGY FOR TREATMENT OF FGD WASTEWATER TO MEET ELG

Jonathan Chen, Process Engineer, BKT



15.4 FGD WASTEWATER TREATMENT

Mike Preston, Industrial Water Treatment Section Leader, Black & Veatch



15.5 INTEGRATED APPROACH TO PLANT WATER AND ELG

SESSION SPONSOR & CO CHAIR Jim Dougherty, President - Environmental, Babcock Power



15.6 CUSTOM FIBERGLASS REINFORCED PLASTIC PIPING APPLICATIONS IN WET FGD SLURRY AND WASTEWATER PROCESSING

Kira Kaleps, Sales & Business Development Manager, RPS Composites

Tuesday | 3:30PM - 5:30PM

16. 316(b), ELG, WASTEWATER

16.1 LOW VOLUME WASTEWATERS: COLLECTING DATA FOR CRITICAL DECISIONS

CO-CHAIR - Karen Burchardt, Associate Environ. Engineer, Burns and McDonnell, Douglas Randall



16.2 REAL TIME ORGANIC DISCHARGE CONTROL FOR FGD WASTEWATER

Amanda Scott, Industrial & Environmental Mgr, SUEZ - Water Technologies & Solutions



16.3 ONLINE MULTI-METALS WATER ANALYZER FIELD DEMONSTRATION

Troy Pittenger, R&D Director, Cooper Environmental Services; Brian Edge



16.4 SECTION 316(A) COMPLIANCE ON LARGE FRESHWATER RIVERS

Christopher Wiggins, Sr. Aquatic Scientist, Burns and McDonnell



16.5 LARGE DIAMETER FRP EQUIPMENT FOR CORROSION RESISTANT SERVICE

Tom Rhone, Regional Sales Manager, Ershigs, Inc., Denali Companies

Wednesday | 7:30AM - 9:30AM

17. 316(b), COOLING & WASTEWATER

17.1 ONLINE SELENIUM SPECIATION ANALYSIS TO AID ELG COMPLIANCE PROGRAMS

Vladimir Dozortsev P.h.D., Development Manager, Aqua Metrology Systems Ltd.



17.2 EFFECTS OF COOLING WATER INTAKES ON FEDERALLY LISTED SPECIES

Brandon Johnson, Sr. Project Manager, Stantec



17.3 PHOTODEGRADATION OF IBUPROFEN BY G-C3N4/Bi2WO6/RGO UNDER VISIBLE LIGHT

Shou-Heng Liu, Professor, National Cheng Kung University

17.4 FAILURE POTENTIAL OF RETROFITTED VFD IN COOLING TOWER

Sarah AlKanderi, Research Assistant, Kuwait Institute for Scientific Research, Al-Bassam

Wednesday | 10AM - 12PM

18. WATER SUPPLY & SECURITY

18.1 SPECIAL TOXICOLOGICAL CONSIDERATIONS FOR CCR CONSTITUENTS

CO-CHAIR - Lisa Bradley, Principal Toxicologist, Haley & Aldrich



18.2 IT'S NOT JUST WATER – THE SCIENCE AND IMPORTANCE BEHIND COLLECTING REP

CO-CHAIR - Michael McMenus, Sr. Process Specialist, Kiewit Engineering



18.3 RESILIENCE & ADAPTATION: EVALUATING RISKS TO THE YUKON RIVER WATERSHED

Lawrence Duffy, Professor, University of Alaska Fairbanks; KL Dunlap, BH Dainowski



18.4 ENERGY EFFICIENCY IN WATER/WASTEWATER SYSTEMS

Guru Navaneetham, Engineering Supervisor, Lincus, Inc.; Sabarish Vinod and Jorj Nofal

