

### ADVISORY BOARD



ALBEMARLE®



This Track provides presentations on Advanced Mercury Control technologies and strategies, for compliance with MATS emission limits including Hg, DSI, MATS, ACI, & Amended Silicates.

Monday | 1PM - 3PM

## C1. Hg MATS COMPLIANCE



### C1.1 LOWERING MERCURY COMPLIANCE COSTS THROUGH OPTIMIZATION

**SESSION SPONSOR & CO-CHAIR** - Richard MacPherson, President/CEO, ME2C; John Pavlish, Nicholas Lentz, Marcus Sylvester, James Trettell



### C1.2 COST SAVINGS ASSOCIATED W/ MATS COMPLIANCE OPERATING AS LOW EMITTING

Brandon Kibler, Project Manager, Novinda Holdings, Inc.; Jeremy Hayes, Black Hills Energy; Clifton Brown and James Butz, Novinda Holdings, Inc.



### C1.3 HOW THE RIGHT OPTIMIZATION TEAM CAN IMPROVE YOUR MATS COMPLIANCE STRATEGY

Regina Rodriguez, Chief Operating Officer, Carbonxt; Christine Valcarce, Lindsey Costin, David Mazyck



### C1.4 OPTIMIZING ACI COST-PERFORMANCE WITH ADVANCED PAC PRODUCTS

Martin O'Brien, Applications Engineer, Calgon Carbon; Richard Mimna, Jenalle Brewer and Michael Pealer



### C1.5 EFFECTIVENESS OF MERCURY CONTROL STRATEGIES: A SURVEY OF MATS IMPLEMENT.

**CO-CHAIR** - Connie Senior, VP of Technology, ADA-ES, Inc.; Sharon Sjoström

Monday | 3:30PM - 5:30PM

## C2. ACTIVATED CARBON

Reaction Analytics

### C2.1 KINETIC CHEMISTRY MODEL FOR MERCURY REMOVAL BY ACI

Guisu Liu, Founder, Reaction Analytics Solutions Corp.



### C2.2 HG BEHAVIOR IN HYBRID FILTER WITH INJECTION AND COATING OF AC IN CPP

Jin-Ho Sung, Researcher, Yonsei University; Yong-Chil SEO, Se-Won Park, Ha-Na Jang & Seung-Ki Back



### C2.3 FUTURE OF THE ACTIVATED CARBON INDUSTRY

**CO-CHAIR** - David Mazyck, Chief Executive Officer, Carbonxt; Curt Larson, Regina Rodriguez, Dennis Baranik



### C2.4 OPTIMIZING ACI USAGE TO REDUCE COSTS, AVOID CORROSION, IMPROVE ASH

John Satterfield, Sr. Field Service Engineer, Cabot Norit Activated Carbon

Tuesday | 7:30AM - 9:30AM

### C3. Hg CONTROL TECHNOLOGIES



#### C3.1 AS-ULTRA PERFORMANCE IN THE MOST CHALLENGING CONFIGURATIONS

**CO-CHAIR** - Thomas Gale, Director of Technology Development, Novinda Holdings, Inc.



#### C3.2 CIRCULATING DRY SCRUBBER MERCURY CONTROL PRB COAL-FIRED POWER PLANTS

Terence Ake, Principal Engineer, Babcock Power, Inc.; Roderick Beittel



#### C3.3 INNOVATIVE SORBENT TRAP MEASUREMENT TECHNIQUES: HG, SO3, NH3, HCL, SE

Alexandra Sipershteyn, Product Manager, Ohio Lumex



#### C3.4 RAPID RESPONSE TESTING TO ENSURE MATS COMPLIANCE

**CO-CHAIR** - Nicholas Lentz, Field Tech. Manager, Midwest Energy Emissions Corp.; John Pavlish and James Trettel



#### C3.5 MERCURY CAPTURE IN THE WET SCRUBBER WITH CXT-WETJECT™

Regina Rodriguez, Chief Operating Officer, Carbonxt; Christine Valcarce, David Mazyck

Tuesday | 10AM - 12PM

### C4. DSI & ACI



#### C4.1 EXPERIENCE WITH RETROFITTING HYDRATED LIME INJECTION SYSTEMS

Jon Norman, Manager - Sales and Technology, United Conveyor Corporation



#### C4.2 LANCE-LESS DSI TECH ALLOWS CONT. OPERATION OF EXISTING ESPS

Bob Mastropietro, Technical Sales Engineer, Nol-Tec Systems



#### C4.3 STRATEGIC USE OF TEMPORARY INJECTION SYSTEMS (PAC AND DSI)

**SESSION SPONSOR & CO-CHAIR** - Mike Gregory, Business Development - Capital Equipment, IAC



#### C4.4 SODIUM SORBENTS FOR HIGHER EFFICIENCY

**SESSION SPONSOR & CO-CHAIR** - Michael Atwell, Manager, Solvay Chemicals; Cornelia Cretiu

Tuesday | 1:00PM - 3:00PM

### C5. Hg CONTROL TECHNOLOGIES



#### C5.1 USE CHEMISTRY-BASED CFD TO INVESTIGATE DSI OPTIMIZATION OPTIONS

Guisu Liu, Founder, Reaction Analytics Solutions Corp



#### C5.2 EFFECTIVE AND SIMPLE MERCURY CONTROL IN PLANTS CONFIGURED WITH WET FGD

**CO-CHAIR** - Thomas Gale, Director of Technology Development, Novinda Holdings, Inc.



#### C5.3 A NOVEL IRON OXIDE-BASED MATERIAL FOR CAPTURING MERCURY VAPOR

Yongheng Huang, Manager, Viviron Technology



#### C5.4 LANCE-LESS INJECTION TECHNOLOGY AT SOUTHERN COMPANYY

Sean Dooley, Key Account Manager, Nol-Tec Systems