

TRACK B ADVISORY BOARD



An excellent “must attend” training session for experts and operators of CEMs. This Track includes EPA policy and procedures for accurate monitoring, reporting, and auditing of emissions pursuant to Part 75 of the Acid Rain Program and the Clean Air Interstate Rule. Presentations on how to submit monitoring plans, QA/QC tests, and Emissions & Generation Resource Integrated Database (eGRID).

Other expert presentations and programs include MATS, egrid, RATA, Appendix D & E, Electronic Monitoring data, QA/QC program for Cylinder gases. AQ and fence line monitoring, and modeling.

Monday | 1PM - 3PM

B1. CEMS & EPA'S EGRID



B1.1 REVIEW OF EGRID2016

CO-CHAIR - Travis Johnson, Environmental Protection Specialist, U.S. Environmental Protection Agency



B1.2 LASER DISPERSION SPECTROSCOPY AND CEM APPLICATIONS

Graham Leggett, Vice President, Product Management, MIRICO Ltd.



B1.3 PEMS DEPLOYMENT IN SAUDI ARABIA

Brian Swanson, President, CMC Solutions; Jessica Palmer



B1.4 PS18 CERTIFICATION TEST RESULTS AT COAL FIRED POWER PLANT IN MIDWEST UTILIZING CEMTEK'S HCI TDL MONITOR

Gary Cacciatore, Business Development Manager, Cemtek Environmental



B1.5 CONTINUOUS EMISSION MONITORING SYSTEM(CEMS) PROGRAM BEST PRACTICES

Eric Wiley, Managing Consultant, Trinity Consultants



B1.6 Q & A DISCUSSION EGRID

Travis Johnson, Environmental Protection Specialist, U.S. Environmental Protection Agency

Monday | 3:30PM - 5:30PM

B2. CEMS & TESTING



B2.1 TESTING MANAGEMENT FOR RATA, PERMIT LIMITS, REGULATIONS AND CONTRACTS

CO-CHAIR - Brian Petermann, Area Lead - Air Quality Compliance, POWER Engineers, Inc.



B2.2 MEETING DEMAND WHILE COMPLYING WITH STARTUP AND SHUTDOWN EMISSIONS

Taylor Jones, System Specialist, Environmental Systems Corp (ESC)



B2.3 NH3 SLIP BY EXTRACTIVE METHODS

Matt Swanson, Vice President, Sales, CAI, Inc.



B2.4 STRATIFICATION TESTING - WHEN IS IT REQUIRED?

Dan Todd, President, Air Quality Services, LLC; Paul Siegel and Chris Wehner



B2.5 NEXT-GEN CRDS ANALYZERS FOR MONITORING AMMONIA SLIP IN SCR PROCESSES

Jeremiah Riddle, President, Tiger Optics

TRACK | B | CEMS & EMISSION TESTING

ROOM 2

Tuesday | 7:30AM - 9:30AM

B3. ESP & PARTICULATE EMISSIONS



B3.1 THE EFFECT OF 3-PHASE POWER SUPPLY AND SMART CONTROLLER ON ESP

Reza Sharafy, Product Manager, KraftPowercon Sweden AB



B3.2 MORE CASE STUDIES OF THREE PHASE POWER SUPPLIES IMPROVING ESP PERFORMANCE

John Knapik, ESP Solutions Consultant, Babcock and Wilcox



B3.3 AGING TR SETS ON ELECTROSTATIC PRECIPITATORS - THE HIDDEN LIABILITY

Paul Leanza, Business Development Manager, KraftPowercon; Dan Hoff



B3.4 WINTERTIME PM 2.5 COMMUNITY MONITORING – NORTH POLE ALASKA

CO-CHAIR - Randall Baxter, Scientist, Information Technology, T&B Systems; David Bush, David Yoho, Kenneth Underwood

Tuesday | 10AM - 12PM

B4. PM, CEMS, DUST EMISSIONS



B4.1 COROMAX FOR POWER PLANTS

CO-CHAIR - Mads Kirk Larsen, Global Sales Manager, FLSmidth Airtech



B4.2 NEW GORE LOW DRAG MEMBRANE - REVERSE AIR BAGHOUSE CASE STUDY

John Knotts, Business Development Leader, W.L. Gore and Associates



B4.3 MONITORING LOW LEVEL DUST EMISSIONS & DETECTION OF ABATEMENT FAILURE

Olette Alsen, Regional Manager, envea - Altech Environment U.S.A.



B4.4 SAUDI ARAMCO'S SAOO FLARE MINIMIZATION ACHIEVEMENTS

CO-CHAIR - Ahmad Al-Otaibi, Environmental Coordinator, Saudi Aramco; Ensan El-Ayoubi



B4.5 IMPROVED MEASUREMENT OF LOW PARTICULATE EMISSIONS FROM GAS TURBINES

CO-CHAIR - Kevin Crosby, V.P., Technical, Montrose Air Quality Svcs; Glenn England, Ramboll-Environ

Tuesday | 1:00PM - 3:00PM

B5. AIR QUALITY MODELING



B5.1 BACKGROUND VS. NEARBY SOURCES - TESTING EPA'S NEW GUIDANCE

CO-CHAIR - George Schewe, Principal Meteorologist, Trinity Consultants; Brian Otten



B5.2 SOLUTIONS TO NEW U.S. EPA MODELING REGULATIONS

Christopher Occhipinti, Project Professional, NTH Consultants, Ltd.



B5.3 LOW-LEVEL FUGITIVE PARTICULATE EMISSIONS IN AERMOD

Arijit Pakrasi, Director, APTIM



B5.4 REGIONAL HAZE RULE SECOND DECADEAL REVIEW - A BUMPY ROAD AHEAD

Robert Paine, Associate Vice President, AECOM; Jeff Connors



B5.5 DEVELOPMENT OF IMPROVED BUILDING DOWNWASH ALGORITHMS IN AERMOD

CO-CHAIR - Sergio Guerra, Senior Environmental Engineer, CPP, Inc.; Ron Petersen



B5.6 CHARACTERIZING PARTICULATE EMISSIONS FROM EVAPORATION POND MISTERS

Mannie Carpenter, Sr. Engineer, Stantec Consulting Svcs; Amber Summer, Kathy Houed

B6. MEASUREMENT TECHNOLOGIES



B6.1 SOLVING COMPLIANCE ISSUES USING FTIR MULTIGAS MEASUREMENT TECHNOLOGY
Jim Cornish, Sales and Support Manager, Gasmeter Technologies



B6.2 UNDER-REPORTING OF NOX BY AS MUCH AS 80%. WITH REGULATORY APPROVAL
Robert Mallowney, President, MonitorTech Group



B6.3 AIR QUALITY FORECASTING AND MGMT USING MACHINE LEARNING AND IOT
SESSION SPONSOR & CO-CHAIR - Neil Gerber, Director, New Energy & Environment, IBM



B6.4 PASSING RATA WITH QUANTUM CASCADE/TUNABLE DIODE LASER ANALYZER
David McMillen, Business Development Manager, Emerson

B7. ADVANCED TECHNOLOGIES



B7.1 NEW LASER MEASUREMENT TECHNOLOGY
Bernadette Shahin, National Applications Manager, M&C TechGroup North America



B7.2 DSI SAVINGS THROUGH REAL TIME SO3/H2SOV MEASUREMENT
CO-CHAIR - Dan Kietzer, National Product Manager, SICK, Inc.; Chris Psotka



B7.3 PEMS SYSTEM EVOLUTION TO MEET CHANGING POWER PLANT CONDITIONS
Brian Swanson, President, CMC Solutions; Jessica Palmer and Eugene Simon



B7.4 COST EFFECTIVE OPTICAL GAS IMAGING FOR DETECTION OF SF6
Sat Sandhu, Thermography Services Support Manager, Fluke; Justin Sheard



B7.5 ABB REPLACES THE DUMBBELL DESIGN OXYGEN ANALYZER
Bruce Herman, ABB Process Analytics



B7.6 SMART THERMAL TESTING FOR AUTOMOBILE ELECTRONICS
John Booher, CEO, Total Temp Tech

B8. FENCELINE MONITORING & REMOTE SENSING



B8.1 COMMUNITY-BASED AIR TOXICS FENCELINE MONITORING AND INITIATIVES
Charles Lee, PH.D., CM, Principal Consultant, Trinity Consultants; Steve Walters



B8.2 THE D-FENCELINE MEASUREMENT SYSTEM - ADVANCED REMOTE SENSING SOLUTION
Gilad Shpitzer, CEO, Co-Founder, Atmosfir Optics; Dr. Robert Kagann, Dr. Yael Etzioni



B8.3 EMERGING OPEN-PATH/EXTRACTIVE TECHNOLOGIES AND VALIDATION TECHNIQUES
CO-CHAIR - Peter Zemek, SVP - Emerging Tech., Montrose Env. Grp; Daniel Cavicchio, Jr., Block Eng.



B8.4 REAL TIME, LOW LEVEL VOC MONITORING IN STATIONARY AND MOBILE PLATFORMS
LJ Sears, Technical Director, RJ Lee Group



B8.5 A FENCE LINE STUDY OF FUGITIVE EMISSIONS USING THE DV3000
James Matley, Global Sales Executive, Duvax Technologies Ltd.



B8.6 LASER DISPERSION SPECTROSCOPY FOR REMOTE SENSING
Graham Leggett, Vice President, Product Management, MIRICO; Damien Weidmann, Arun Kannath, Johnny Chu, Mohammed Belal