

# **29th Nuclear Air Cleaning and Treatment Conference**

Hyatt Regency Cincinnati, Cincinnati, Ohio  
July 17-19, 2006

## **AGENDA**

### **Monday, July 17, 2006 The Sungarden**

#### **Registration and Welcoming Reception 5:00 pm - 6:00 pm**

Refreshments sponsored by Ellis & Watts (Richard Porco and Michael Doersam) and Vista Engineering (Jim Kriskovich). Antipasto display and champagne punch; Cash bar available

### **Tuesday, July 18, 2006 Regency**

#### **Registration 8:00 am**

Continental breakfast sponsored by ATI (Eric Hansen, David Crosby and Jan Fretthold)

#### **Welcome and Introductions 9:00 am**

*Dr. Ronald R. Bellamy, Vice-President, ISNATT*

#### **Keynote Presentations 9:15 - 10:45 am, Chair, Dr. Ronald R. Bellamy, USNRC**

- 9:15 - 10:00 Looking Back on 45 Years in Nuclear Air Cleaning Activity, Dr. J. Louis Kovach, President, NUCON International  
10:00 -10:45 ASME Committee on Nuclear Air and Gas Treatment Activities, Past, Present, and Future, *Richard D. Porco, Vice-President, Ellis & Watts*

#### **Break 10:45 - 11:00 am, Refreshments Sponsored by SSM Industries (Mark Saucier)**

#### **Committee on Nuclear Air & Gas Treatment Panel Session 11:00 am - 12:00 pm, Chair, Thomas Vogan, Sargent & Lundy**

Oliver Martinez, ASME  
Mark Pest, Consultant  
Mark Saucier, SSM Industries  
John Hayes, USNRC  
Raj Rahaja, Sargent & Lundy  
Roger Zavadski, DNFS  
Walter Drosjack, WGI

**Lunch 12:00 - 1:00 pm New York Deli Buffet Sponsored by ISNATT Sungarden**

**Plant Operations 1:00 - 3:00 pm, Chair, James Edwards, Consultant**

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| 1:00 - 1:20 | USNRC Construction Inspection Program, Mary Ann Ashley, USNRC  |
| 1:20 - 1:40 | The Oyster Creek Augmented Off Gas System, Ariadna Clark, Oyster Creek Generating Station  |
| 1:40 - 2:00 | Water Spray Activation at Beaver Valley Nuclear Power Station, Dennis Adams, FENOC   |
| 2:00 - 2:20 | Optimization of Standby Gas Treatment System Capacity for US-ABWR, Yasuhiko Suzuki, Hirokazu Yoshino, Mika Tahara, Toshiba Corporation   |
| 2:20 - 2:40 | Diesel Generator Room Air Flow Rate Measurements using Tracer Gas Techniques, Peter Lagus, Lagus Applied Technology; Mark Pest, Consultant; T. C. Mitchell, Arizona Public Service Company; J. R. Pearson, NCS Corporation |
| 2:40 - 3:00 | Building Inertia Effect on Ventilation Cooling, Deep Ghosh, Southern Company Services  |

**Break 3:00 - 3:20 pm, Refreshments Sponsored by Jardar Systems, Inc (Steve Joyce)**

**Individual Code Development 3:20 - 4:00 pm, Chair, Werner Bergman, Consultant**

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| 3:20 - 3:40 | Development of ASME AG-1 Code Section FH, James R. Edwards, Consultant   |
| 3:40 - 4:00 | Development of ASME AG-1 Code Section FI, Duane Adamson, Savannah River National Laboratory; Kenneth Rubow, Mott Corporation |

**ISNATT Meeting 4:00 - 5:00 pm, Chair, James Edwards, President, ISNATT**

ISNATT Business Meeting

## **Wednesday, July 19, 2006 Regency**

**Continental Breakfast 7:30 am** Sponsored by NUCON International (Louis Kovach, Curtis Graves, and Eric Banks)

### **Laboratory 8:00 - 9:40 am, Chair, John J. Hayes, USNRC**

- 8:00 - 8:20 Application of Orifice Plates for Flow Calibrations at ATI Filter Test Facility, Werner Bergman, Consultant; Subir Sen, DOE; Jan Fretthold, ATI; David Crosby, ATI
- 8:20 - 8:40 Report on the DOE Filter Test Facility, David Crosby, ATI; Jan Fretthold, ATI
- 8:40 - 9:00 Evaluation of Glass Fiber HEPA Filters as a Function of Media Velocity, Steven Alderman, Kristina U. Hogancamp, Michael S. Parsons, Donna M. Rogers, Charles A. Waggoner, Institute for Clean Energy Technology, Mississippi State Univ
- 9:00 - 9:20 Restart Quality Assurance Audit Of Filter Test Facility, Subir K. Sen, DOE; Theron K. Cordray, Fluor Hanford; James McAndrews, Consultant; Werner Bergman, Consultant; Mark Ryan Westinghouse Savannah River Co; Richard Frounfelker, DOE
- 9:20 - 9:40 HEPA Filter Loading, Werner Bergman, Consultant

**Break 9:40 - 10:00 am**, Refreshments Sponsored by CamfilFarr (Art Soma and Andy Stillo)

### **Testing 10:00 am - 12:00 noon, Chair, Dennis Adams, FirstEnergy**

- 10:00 - 10:20 A Comparison of Tchebychev, Equal Area and Tracer Gas Air Flow Rate Measurements, P. L. Lagus, Lagus Applied Technology; Paul Butler, Entergy; K. M. Fleming, NCS
- 10:20 - 10:40 HEPA Filter In-Place Testing Efficiency Variations Due To The Effects Of Inadequate Mixing and Varying Airflow Rates, Eric M. Banks, NUCON Intl.
- 10:40 - 11:00 Comparison of Filtration Efficiency Measurements between TSI Model 8160, TSI Model 3140, and ATI 100P Filter Test Stands, Mary E. Pierce, Hollingsworth & Vose Company
- 11:00 - 11:20 Adsorption Characteristics of Sodium Hexafluoride on Activated Carbon, Clinton B. Sommer, NUCON Intl; Eric M. Banks, NUCON Intl.
- 11:20-11:40 Filter Performance Specifications And A Prototype Test Apparatus For Qualification Of High-Strength HEPA Filter Designs, C.I. Ricketts, P.H. Ricketts, P. R. Smith, Department of Engineering Technology, New Mexico State University
- 11:40-12:00 ASME AG-1 HEPA Filter Media Velocity, Gerard Garcia, Bechtel National Inc.

**Luncheon 12:00 - 1:30 pm, Chair, Dr. Ronald R. Bellamy, USNRC. Cincinnati Riverwalk Buffet Featuring Authentic Cincinnati Specialties**

**Emergency Preparedness; A Perspective on Hurricane Katrina, Michael Beeman, Director, FEMA National Preparedness**

**ASME AG-1 Table FC-4110 ACFM versus SCFM Panel 1:30- 2:50 pm,  
Chair, Richard Porco, Ellis & Watts**

*John Hayes, USNRC  
Roger Zavadski, DNFSB  
Eric Banks, NUCON  
Gerard Garcia, Bechtel  
Ben Franklin, AAF  
Werner Bergman, consultant*

**Break 2:50 - 3:00 pm, Refreshments Sponsored by Washington Group International  
(Glen Peterson and Walter Drosjack)**

**Regulatory and Standards Issues 3:00 - 4:00 pm, Chair, Curtis Graves, NUCON**

3:00 - 3:20	Status of USNRC Generic Letter 2003-01 Control Room Habitability. Harold Walker, USNRC
3:20 - 3:40	Proposed Changes to USNRC Standard Review Plan on Control Room Habitability, John J. Hayes, USNRC
3:40 - 4:00	Recent NHUG Activities, Deep Ghosh, Southern Company Services

**Emerging Issues and Conference Wrap Up 4:00 - 4:30 pm,  
Chair, Dr. Ronald R. Bellamy, Vice - President, ISNATT**