

## 28th Nuclear Air Cleaning and Treatment Conference

Albuquerque Marriott Pyramid North, Albuquerque, (NM)  
September 27-29, 2004

### AGENDA

#### Monday, September 27, 2004

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

Refreshments sponsored by ATI INTL and ISNATT

#### Tuesday, September 28, 2004

##### Registration 8:00 am and through the conference

Refreshments sponsored by ASME INTL

##### Welcome, Introductions and Awards 9:00

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

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

- 9:15 - 10:00 Global Nuclear Futures Initiatives, *Dr. Dennis Berry, Director, Nuclear & Risk Technology Center, Sandia National Laboratory*
- 10:00 -10:45 Dispersion of Radioactive Aerosols in Nuclear Facilities: From Worker Protection to Homeland Security, *Jeffrey J. Whicker, Los Alamos National Laboratory*

##### Break 10:45 - 11:00 Refreshments Sponsored by ASME INTL

##### HEPA Performance 11:00 - 12:00, Chair, Curtis Graves, NUCON INTL

- 11:00 - 11:20 Report on the Dept of Energy Filter Test Facility, *Julie Davis, ATI*
- 11:20 - 11:40 Evaluation of Emissions from HEPA Filters as a Function of Challenge Conditions, *R. Arunkumar, J. Etheridge, J. C. Luthe, B. A. Nagel, O. P. Norton, D. Rogers, K. Umfress and C. Waggoner, Mississippi State University*
- 11:40 - 12:00 A Model for the Stresses in the Filter Medium of Deep-Pleat, HEPA-Filter Packs and its Practical Applications, *C. I. Ricketts and P. R. Smith, New Mexico State University*

##### Lunch 12:00 - 1:30

**Nuclear Air Cleaning Handbook Panel 1:30 - 3:00, Chair, Raymond Weidler, ASME**

*James Slawski, DOE*  
*Harry Frisby, SAIC Project Manager*  
*Roger Zavadski, Defense Nuclear Facilities Safety Board*  
*Jan Fretthold, Rocky Flats*  
*James Kriskovich, Vista Engineering*  
*Maynor Dykes, Flanders-CSC*  
*Richard Porco, Ellis & Watts*  
*Matt Hargan, AAF INTL*

**Break 3:00 - 3:30** Refreshments Sponsored by AAF INTL

**Carbon Technology 3:30 - 4:10, Chair, John Hayes, USNRC**

3:30 - 3:50 Effects of Weathering on Impregnated Charcoal Removal Efficiency for Radioactive Methyl Iodide, M. Nakayama, K.Taira, *M. Ohki and S. Sasaki, Toshiba Corp*

3:50 - 4:10 Radioflow and Other New Filters in the Nuclear Industry, *Curtis Graves, NUCON INTL*

**ISNATT Meeting 4:15 - 5:00, Chair, James Edwards, President, ISNATT**

ISNATT Business Meeting

**Wednesday, September 29, 2004****Control Room Habitability Issues 8:30 - 9:50, Chair, James Edwards, Flanders/CSC**

8:30 - 8:50 Control Room Habitability Since Issuance of Generic Letter 2003-01, *John Hayes, USNRC*

8:50 - 9:10 Control Room Habitability Improvements in Commercial Nuclear Power Plants, *Dennis Adams, First Energy*

9:10 - 9:30 Tracer Gas Control Room Habitability Testing: Shared Experiences, Lessons Learned, *Peter Freeman, NUCON INTL*

9:30 - 9:50 Air Inleakage Measurements in High Equilibrium Time Control Room Envelopes, *Peter Lagus, Lagus Applied Technology, Inc.*

9:50 - 10:10 Roundtable discussion

**Break 10:10 - 10:40** Refreshments Sponsored by SSM Industries

**Operations Issues 10:40 - 11:40, Chair, Dennis Adams, FirstEnergy**

- 10:40 - 11:00 HVAC Equipment Aging and Reliability Issues at Commercial Nuclear Power Plants, *Deep Ghosh, Southern Co, and Robert Campbell, TVA*
- 11:00 - 11:20 Sampling Issues and the In-Place Leak Test, *John Hunt, NCS*
- 11:20 - 11:40 A Portable, Automated, Integrity Tester for Large Filters and Filter Systems, *Marc Shrewsbury, Yuqing Ding and David Friday, Hunter Defense Technologies*

**Luncheon 11:45 - 1:15, Chair, Dr. Ronald R. Bellamy, USNRC**

**Food Irradiation Using Electron Beams and X-Rays  
Dr. Robert Bruce Miller, EBM, LLC**

**Regulatory and Standards Issues 1:15 - 2:55, Chair, Deep Ghosh, Southern Co.**

- 1:15 - 1:35 DOE Filter Testing and Air Cleaning Developments, *Subir Sen, DOE*
- 1:35 - 1:55 Application of ASME AG-1 to the DOE Hanford Tank Waste Treatment and Immobilization Protection Project, *Daniel Cragin, Gerard Garcia and Roshellia Goines, Bechtel National, Inc.*
- 1:55 - 2:15 ASME AG-1 AA-4000 Structural Design Code Interpretation, *Raj Raheja, Sargent & Lundy*
- 2:15 - 2:35 ASME AG-1 Requirement Exemption Justifications for Ventilation Systems at Nuclear Waste Storage Tanks at the Hanford Site, *James Kriskovich, Robert Gustavson and Douglas Himes, Vista Engineering*
- 2:35 - 2:55 Update of DNFSB Staff Activities in the Nuclear Air Cleaning Area; Nuclear Air Cleaning Implications of the Glovebox 8 Fire at Rocky Flats, *Roger Zavadoski, DNFSB*

**Break 2:55 - 3:15 Refreshments Sponsored by Vista Engineering**

**Committee on Nuclear Air and Gas Treatment Panel 3:15 - 4:15  
Chair, Richard Porco, Ellis & Watts**

*Mark Pest, Arizona Public Service*  
*Raj Raheja, Sargent & Lundy*  
*James Kriskovich, Vista Engineering*  
*Eric Banks, NUCON*  
*Brian Elliott Aerofin*  
*Oliver Martinez, ASME*

**Emerging Issues and Conference Wrapup 4:15 - 5:00**

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

Short presentations, rebuttals, last minute papers or discussions