

10th USAEC
AIR CLEANING CONFERENCE

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Program

10th USAEC Air Cleaning Conference

- 8:30 **Welcome** — D. W. Moeller, HA CL
- 8:35 **Objectives of Meeting** — W. G. Belter, AEC
- Air Cleaning Systems** — F. J. Viles, HA CL, *Moderator*
- 9:00 Air cleaning systems; review and projection — F. J. Viles, HA CL, and I. C. Roberts, AEC
- 9:30 CSE; Testing full scale systems — J. D. McCormack and C. Linderoth, Battelle Northwest
- (a) Description of CSE facility
- (b) Design of the air cleaning chain; internal vs. external
- (c) Test procedure and data collection
- 10:00 Open discussion of air cleaning systems and system test facilities
- 10:15 Break
- Air Cleaning System Components** — M. W. First, HA CL, *Moderator*
- 10:30 Demisters; basis for selection, theory, operating experience, applications — A. H. Peters, SRL, duPont
- 10:50 Open discussion of demisters
- 11:05 Filters, including prefilters, high capacity filters, and high efficiency filters; review and projection — M. W. First, HA CL
- 11:25 Filter papers, filter testing, and paper development — W. L. Anderson, NRL (Report of Government-Industry Ad Hoc Meeting)
- 11:40 Moisture testing — H. C. Schwalbe, Herty Foundation
- 11:50 Gaskets — L. Sims and F. E. Adley, Hanford Environmental Health Foundation
- 12:00 Open discussion of filters
- 12:30 Lunch
- Adsorbents for Iodine Removal** — J. L. Kovach, North American Carbon, Inc., *Moderator*
- 1:30 Adsorbents; review and projection — J. L. Kovach
- 2:00 Charcoal post treatment; heat degradation and service life — R. C. Milham, SRL
- 2:15 Charcoal aging — R. D. Ackley, ORNL
- 2:30 Silver zeolite development studies — W. J. Maeck, Idaho Nuclear Corp.
- 2:45 Effect of gamma radiation on adsorption of iodine and methyl iodide on activated carbon — L. R. Jones, SRL
- 3:00 Open discussion of adsorbents
- 3:30 Break
- 3:45 **Open discussion**, technical notes, work in progress, and requests for information from attendees — M. W. First, HA CL, *Moderator*.
- (These brief topics (5-10 min.) have been submitted. Additional topics may be volunteered from the floor.)
1. Development of a sampling device for distinguishing the forms of iodine in a humid atmosphere — R. L. Bennett and R. E. Adams, ORNL
 2. Radioactive Aerosol Size Classification Experience with a Low Pressure Cascade Impactor — G. W. Parker, H. Buchholz, and W. J. Martin, ORNL
 3. Off-Gas Systems for Nuclear Contaminated Combustibles — Dow Chemical Co., Rocky Flats Division
 4. The Use of Agglomeration Modeling in Determining the Source Term for Reactor Siting Evaluations — R. L. Koontz, M. A. Greenfield, D. F. Hausknecht, and H. A. Morewitz, A.I.
 5. In-Place Iodine Removal Efficiency Test — F. J. Viles Jr., R. A. Weker, and A. S. Goldin, HA CL
 6. A Tritium Air Monitor — A. A. Moghissi, H. L. Kelley, and C. R. Phillips, SRHL
 7. Clean Room Fire Protection — Two Years Later — D. J. Keigher, USAEC
 8. Fire and Smoke Incidents in Nuclear Reactor Ventilation and Containment Systems — D. J. Keigher, USAEC
 9. Evidence of a Transient Inorganic Iodine Species Produced in Water-Air Mixtures — F. O. Cartan, Idaho Nuclear Corp.
 10. Inorganic Adsorbents For Samplers to Differentiate Inorganic and Organic Iodide Species — W. J. Maeck, Idaho Nuclear Corp.



Conference Photograph