

**ASHRAE TC 9.2 Nuclear Facilities Sub-Committee Meeting Minutes**  
**January 30, 2017**  
**Las Vegas, NV**

Scott MacMurray, TC 9.2 Nuclear Facilities Sub-Committee Secretary, called the meeting to order at 2: 17pm on 30 January 2017.

- Introduction of members and guests

Members Present;

Scott MacMurray – Telecon

Ravi Ganta

Deep Ghosh

Mark Saucier

Bill Lampkin

Guests:

Eileen Jensen

Tim McDiarmid

Don Largent

Kyle Vach

David Carroll

- Meeting minutes

Meeting minutes from Summer 2016 were reviewed. Mark Saucier moved to accept the meeting minutes as presented, Deep Ghosh 2<sup>nd</sup> the motion. Minutes approved by a vote 4 in favor, 0 negative and 1 not voting.

- Membership

No members removed. David Carroll (Bechtel, [dave.m.carroll@gmail.com](mailto:dave.m.carroll@gmail.com)) and Don Largent (ATI, [dlargent@atitest.com](mailto:dlargent@atitest.com)) requested to become members of the subcommittee. With no objects from committee members present, recommendation to Eileen Jensen TC 9.2 chair to add them as new sub-committee members.

- Handbook:

1. 2019 Handbook discussion: At Winter 2018 meeting, chapter revision needs to be submitted to TC 9.2 Handbook sub-committee for review. Committee members reported no know deficiencies in the information currently provided in the chapter. Scott MacMurray requested all members to look for any updated references that can be added as part of the next revision.
2. Design Guide discussion: Interest remains in moving some of the information from the HVAC Design Guide for Department of Energy Nuclear Facilities in to the Handbook. Ravi Ganta to

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provide mark-up of Design Guide summary to Scott MacMurray. Scott will review and distribute to the committee members before the Summer meeting. In parallel, DOE team is looking at what information from the design guide should be moved into the next revision of the DOE Nuclear Air Cleaning Handbook (DOE-HDBK-1169-20xx).

- CONAGT: 2015 Edition of AG-1 has been published. System portion of AG-1 being developed to replace N509. Next meeting is February 7<sup>th</sup> in San Diego.
- NHUG: Next meeting is July 28<sup>th</sup> in Washington DC. Focus areas are Chillers and Digital Controls
- Program: Ghosh and MacMurray to monitor DOE funded testing of HEPA filters for information that could be presented at future ASHRAE meeting

- DOE:

DOE-STD-1066-2016 “Fire Protection” was released in December 2016. The document contains sections 4.2 thru 4.4 that are relevant to ventilation design

MSU Testing of HEPA filters for aged based degradation and performance with simulated dust loading continues. A progress report was given at the Nuclear Air Cleaning Conference in June 2016.

Update to DOE Nuclear Air Cleaning Handbook is proceeding much slower than expected

- NRC:

Discussed pending shutdown of commercial nuclear plants over the next five years.

Discussed standardization of system design across new plants

Old Business:

None

- New Business:

Discussion:

- a) Small Modular Reactor research being funded by DOE
- b) Accelerator production of Moly-99 is being pursued by two firms that intend to build demonstration/pilot facilities in the next several years. These will require off-gas treatment systems.

- Adjourn the meeting: Motion made and second to adjourn the meeting at 3:16 pm.