

**DRAFT - ASHRAE TC 9.2 Nuclear Facilities Sub-Committee meeting Minutes**  
**January 25, 2016**  
**Orlando, FL.**

Doug Abramson, TC 9.2-Nuclear member, called the meeting to order at 2: 27pm on 25 January, 2016.

- Introduction of members and guests

Members Present:

Douglass Abramson

Deep Ghosh

Ravi Ganta

Mark Saucier

Bill Lampkin

Jan Fretthold (phone)

Guests:

Eileen Jensen

Donna Sullivan

Paul Rodgers

- The meeting minutes from 2015 Atlanta meeting were reviewed. Minutes were amended to show Atlanta instead of New York; minutes passed as amended: 4-0-0- (CV). Minutes from the 2015 Chicago meeting are still not available and have not been reviewed. Deferred to next meeting.
- Membership Roster review and update.  
Abramson will request TC9.2 chair to add Paul Rodgers as a corresponding member and will then add him as a voting member of the subcommittee.
- Handbook:
  1. 2015 Handbook published: Abramson called for any corrections needed; none were proposed.
  2. 2019 Handbook discussion: Ganta will be responsible for reviewing the Nuclear chapter in the Applications handbook. Team members will include Fretthold and Scott MacMurray as they are also going to be reviewing the Design Guide for incorporation into the handbook chapter. See Design Guide next.
- Design Guide: The committee reaffirmed that all relevant material will go into the 2019 handbook chapter..

CONAGT: New version (2015) of AG-1 code is available. There is a joint project with DOE and EPRI to look at HEPA filter testing. Next meeting is next week in Clearwater, FL.

NHUG: They met in Baltimore – nothing new to report.

- Program: There will be two industrial tracks for the 2017 Winter meeting in Las Vegas. Members were encouraged to develop programs.
- DOE:  
CONAGT meeting will have a team meeting on the DOE guide next Wednesday morning.
- NRC:  
No new issues.
- Old Business:  
ANSI Standard/CFD Modeling: Ganta reported that PNNL is already developing a CFD model that will be published in the ANSI standard so he no longer is pursuing this. Item closed.

Fukushima: Ghosh reported the new design basis for backup is increasing from 4 hours (which is achieved with batteries) to 24 hours (which is achieved with diesel pumps and hoses of sufficient length to reach the water source used to keep the core covered. After 24 hours, the U.S. has established two response centers (Phoenix and Memphis) that have large equipment continue carrying the load. The coordination center for these response centers is in Lynchburg.

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- New Business:

Abramson requested volunteers to fill the secretary and program coordinator positions within the subcommittee.

- Adjourn the meeting: Motion and second to adjourn the meeting by 3:20 pm.