

ASHRAE TC 9.2 Nuclear Facilities Sub-Committee meeting Minutes
June 30, 2014
Seattle, WA.

Ravi Ganta, TC 9.2-Nuclear Subcommittee Chair, called the meeting to order at 2:15pm on 30 June, 2014.

- Introduction of members and guests

Members Present;

Ravi Ganta Jan Fretthold (tc)

Douglass Abramson Mark Saucier

Deep Ghosh

Guests:

Eileen Jensen

Timothy Mitchell

Francis Lin

- Review of the January 2014 New York City meeting minutes: Motion to approve the NYC minutes by D. Abramson and Second by M. Saucier. No discussion, Vote 4/o/o CV

- Handbook:

1. 2011 Handbook corrections: Discussion; No corrections were received.

2. 2015 and beyond, Handbook review:

- Discussion of the future Advanced Passive AP1000 section in Nuclear Facilities chapter: NRC approval required first for safety, seismic, and quality issues, and flow chart or discussion tree included in 2019.
- Discussion on Air Gaseous Effluents Containing Radioactivity section in Nuclear Facilities chapter: Ravi Ganta received an Email from ANSI N13.1 committee Chair regarding inclusion of CFD modeling option in the standard and the language to add the CFD option is being reviewed by the committee members to publish it in 2016. Hence, it allows us to add the CFD option to the 2019 ASHRAE Handbook. The ANSI committee chair mentioned to Ravi Ganta that PNNL developed CFD modeling software in addition to prototype testing.

3. DOE Nuclear Air Cleaning Handbook is to be reviewed by committee members and determine what elements should be incorporated into the 2019 handbook chapter. Target date for the comments on this is June 2015.

Motion: Nuclear Subcommittee to update the handbook chapter by using references 6430.1A and ERDA 1976. Jan Fretthold, second M. Saucier. 5/o/o

4. Eileen Jensen to submit the chapter for 2015 handbook.

- Design Guide:

Review of Design Guide was completed by Jan Fretthold: Integration of appropriate language into the 2019 Nuclear Chapter is to be completed soon.

CONAGT: Attendees at June Mtg: M. Saucier, Jan Fretthold. Topics discussed are Internationalism of code, sand filter, and Metal filters.

NHUG: Meets once a year and this year on July 30, 2014 in Philadelphia, Pa.

- Program:

No Actions. Abstracts rejected, not on a track.

Discussion of ASHRAE workshop experiences: Brief presentations by 2 authors and later entire audience in the hall will participate in discussion on the resolved & unresolved issues associated with the presentations.

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- DOE and NRC Issues:
Ravi Ganta made a proposal to be ANSI reviewer by being a liaison to ANSI representing ASHRAE for safety/seismic/Quality issues associated with NRC licensed nuclear plants and facilities. During this discussion, Doug Abramson mentioned that Ravi Ganta to contact ASHRAE Standards to obtain information regarding Intersociety assignment to participate in ANSI representing ASHRAE. The primary task of the Intersociety assignment is to ensure that the safety/seismic/Quality issues are addressed in addition to appropriate language for CFD modeling option in the standard before its publication in 2016. Proposal submitted to TC 9.2 for action.
- Old Business:
Ravi Ganta is to review ANSI N13.1 standard draft for 2016 publication.
- New Business:
Design improvements for Nuclear plant ventilation to incorporate hardening.
Discussion: Subcommittee may need to develop a research proposal for stack monitoring.
- Adjourn the meeting: Motion and second to adjourn the meeting by 4:15pm