

ACTIVITIES OF THE TECHNOLOGY SUBCOMMITTEE OF CONAGT.

J. L. Kovach
NUCON International Inc.
Chairman, Technology Subcommittee.

The work of this subcommittee is possible due to the current and past members who contributed to its work. These are:

John J Hayes, Jr. Vice Chair
Amin T. Bishara
Francis T. Cann
James R. Edwards
Melvin W. First
David J. Gladden
Matt R. Hargan
M. Lee Hyder
John W. Jacox
Jim Kriskovich

The Technology Subcommittee is not a code section writing group. Its role is the identification of new trends in technology and their potential applications, the Subcommittee brings those identified issues to the forum of the Main Committee of CONAGT. The Main Committee upon agreeing with the Subcommittees assessment, assigns the identified technical issue to a Code writing Subcommittee or establishes an ad hoc group consisting of CONAGT members to prepare an issue paper on the subject.

The Technology Subcommittee was also in charge of the CONAGT Training Program from its inception until its turnover to the International Society of Nuclear Air Treatment Technologies (ISNATT). For the organization of past training activity the kudos belongs to Dr First the chairman of the erstwhile Training Subgroup and Jim Edwards and Jack Jacox, who not only actively participated in the training activity but assisted Dr First in organizing the individual training courses. We wish good success to ISNATT with the management of the training program, and hope that with the turnover of the activity to ISNATT the same high standards of technical excellence and commercial impartiality will be maintained as existed under the CONAGT control of the program.

The major technical activities handled by the Technology Subcommittee in the past years have been:

- 1) The accuracy and relevance of radioiodine testing parameters in relation to the nuclear power plant conditions, and the problems with reproducibility and repeatability.
- 2) The development of the definition of alternate challenge agents for the replacement of chlorofluorinated refrigerants (R-12, R-11, R-112, etc.) in the performance of adsorber leak tests.

- 3) The lack of “used” HEPA filter integrity and efficiency tests.
- 4) The inadequacy of current code sections to cover air and gas treatment activity relating to non-power plant nuclear activity.
- 5) The difficulty of broadening the application of the CONAGT developed codes and standards to the non-nuclear industry.
- 6) The problems caused by the lack of foreign participation in the CONAGT code writing activities, particularly when the technology concerns nuclear processing and waste processing activities, which are in commercial practice in other countries.
- 7) The difficulties of qualification tests stations resulting from privatization of activities and the conversion of many military specifications to consensus standards.
- 8) The application and integration of ASTM developed tracer leak tests into the qualification of control room envelop integrity tests.
- 9) The changing environment on codes and standards needs from nuclear power plant applications to the entire nuclear fuel cycle, including the activities resulting from past weapons related activity.
- 10) The expected impacts of the changes in the post accident source term and the impacts of severe accidents on air cleaning and treatment systems and components.
- 11) The implications of performance based codes and standards versus the current prescriptive code sections.

The Technology Subcommittee meets twice a year, at the same time as the other CONAGT committees, and those interested in joining a Subcommittee involved in challenging technical discussions and the commensurate frustrations, are welcome to sign up at the ASME/CONAGT stand or contact any CONAGT member.