

AMERICAN NATIONAL STANDARDS INSTITUTE &
INTERNATIONAL ELECTROTECHNICAL COMMISSION
(ANSI & IEC) AIR MONITORING STANDARDS

PRESENTED AT THE
18TH ANNUAL AMUG MEETING
ARGONNE NATIONAL LAB
4-6 APRIL 2006



ANSI N42 AIR MONITORING STANDARDS

- ANSI N42 323C FOR TEST & CALIBRATION; CO-CHAIRS MICHELLE JOHNSON AND MARK HOOVER; CURRENTLY IN N42 DISTRIBUTION FOR GENERAL REVIEW, COMMENTS AND BALLOT. SOME CONTRIBUTORS ARE PRESENT.
- ANSI N42.17B-1989 NOW 15 PLUS YEARS OLD AND NEEDING REVISION; ALSO NEEDS A CHAIR OR MORE AND ACTION SOON.
- ANSI N42.18-1980 ON-SITE MONITORING; NEEDS REVISION; BILL BARTLETT NOW CHAIR; NEED PROGRESS REPORT.
- ANSI N42.30-2000 TEST & CAL FOR TRITIUM; NEEDS REVIEW FOR REAFFIRMATION OR REVISION.



INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) STANDARDS

- IEC 60761 (2002) IN FIVE PARTS:
- IEC 60761-1 PART I GENERAL REQUIREMENTS;
- IEC 60761-2 PART 2 SPECIFIC REQUIREMENTS INCLUDING MONITORING FOR TRANSURANICS;
- IEC 60761-3 PART 3 FOR MONITORING NOBLE GASES;
- IEC 60761-4 PART 4 FOR MONITORING IODINES; &
- IEC 60761-5 PART 5 FOR MONITORING TRITIUM.
- THESE STANDARDS COVER ONLY EFFLUENTS.



NEW IEC AIR MONITORING STANDARDS BEING DEVELOPED

- THESE NEW STANDARDS COVER MONITORING IN THE WORKPLACE, IN EFFLUENTS AND IN THE ENVIRONMENT (ALL APPLICATIONS):
- IEC 62302 INSTRUMENTATION FOR MEASURING NOBLE GASES; CHAIR- M COX;
- IEC 62303 INSTRUMENTATION FOR MEASURING TRITIUM; COCHAIRS A KLETT (DE) AND M COX.
- THESE TWO STANDARDS WILL BE PUBLISHED IN THE NEXT YEAR.



NEEDED NEW IEC AIR MONITORING STANDARD

- IEC 62XYZ INSTRUMENTATION FOR MEASURING RADIOACTIVE AIRBORNE PARTICLES; NEW CHAIR AND NEW COMMITTEE NEEDED.



NEEDED NEW ANSI AIR MONITORING STANDARDS

- THE NEWER IEC STANDARDS SHOULD SERVE WELL AS MODELS FOR NEEDED ANSI STANDARD FOR NOBLE GAS MONITORING. THERE IS CURRENTLY NO RELEVANT ANSI STANDARD.
- THE NEW IEC SERIES 61578 IN FOUR PARTS FOR MONITORING RADON AND RADON PROGENY CAN ALSO SERVE AS MODELS FOR A RELEVANT ANSI STANDARD(S). HERE WE NEED A CHAIR AND A COMMITTEE TO RESTART ANSI N42.21.

