



Contemporary air monitoring standards

**MorganCox, CHP
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Air monitoring standards In effect, in development and needed



- **ANSI N42 standards**
- **ANSI N42.17B (1989) Occupational only**
- **ANSI N42.18 (1980) On site monitoring**
- **ANSI N323C (2010) Test & calibration**
- **ANSI N42.30 (2002) Tritium monitoring**
- **ANSI N320 (1979) Emergency monitoring**
- **ANSI N 42.xy proposed comprehensive standard**

Air monitoring standards In effect, in development and needed



- **IEC TC45 standards**
- **IEC 60761-1 (2002) General requirements**
- **IEC 60761-2 Specific requirements including transuranics**
- **IEC 60761- 3 Noble gas monitoring**
- **IEC 60761-4 Radioiodine monitoring**
- **IEC 60761-5 Tritium monitoring**
- **These are all for effluent monitoring only!**

Air monitoring standards In effect, in development and needed



- **IEC TC 45 standards (continued)**
- **IEC 62302 (2007) Noble gas monitoring at all locations.**
- **IEC 62303 (2009) Tritium monitoring at all locations.**
- **Needed: 1) Airborne particulate monitoring including transuranics at all locations.**
- **Needed: 2) Airborne radioiodine monitoring at all locations.**

**Air monitoring standards
In effect, in development and needed**

ANSI N13/ISO standards

ANSI 13.1 (1999) Sampling radioactive materials from stacks and ducts of nuclear facilities.

ISO 2889 (2010) Sampling radioactive materials from stack and ducts of nuclear facilities.

