NUCON® Products and Services

10CFR50 Appendix B and NQA-1 QA Program
Licensed Radioisotope Laboratory - ASME Section VIII

AIR & GAS TREATMENT SYSTEMS AND COMPONENTS

- Complete ESF and non-ESF Air Treatment Systems
- Portable Air Cleaning Units (P-NATS)
- Type II, III and IV Adsorber Cells
- Adsorber Refilling Services
- Gaseous Radwaste and Off-Gas Systems
- Target Dissolver Off-Gas Systems
- Mercury Control Equipment and Systems for Mixed Waste Disposal Operations
- Acid Gas Removal Equipment and Systems
- Gas & Liquid Phase Treatment Systems

TESTING INSTRUMENTS

- Tracer Gas Detectors and Generators (R-11, R-12, R-112 & R-112A, HCFC-123, R-134a, 1-bromobutane)
- Aerosol Detectors and Generators (DOP, PAO, DOS, etc.)
- Pressure Detectors (Portable)
- Calibration Services; (Halide & Aerosol Instruments, Airflow, Pressure and Temperature Measurement Instruments)

ADSORBENTS

- Radioiodine Removal Carbons (NUSORB® KITEG II™, TEG™ & KIG™)
- Noble Gas Delay Bed Carbons
- Mercury Removal Adsorbents (MERSORB® series)
- Acid Gas Removal (NUSORB® KINA™ series) and Systems
- VOC Removal (NUSORB® GC™ series)

RADIOISOTOPE LABORATORY SERVICES

- Radioiodine Removal Performance Testing of New and Used Carbons per USNRC Regulatory Guides, 1.52 (all revisions) & 1.140 (all revisions) and ASTM D3803, RDT-M16-1T, and DIN & DNR
- ^{133}Xe / ^{85}Kr Dynamic "K" Testing
- Various Testing Using Radioisotope Tracers

ON-SITE TESTING AND CONSULTING

- In-place Leak Testing (ASME: N510 & N511 and AG-1)
- Control Room Envelope In Leakage Testing (ASTM E741-2000)
- Acceptance Testing (ASME N510 and AG-1)
- Air Balancing
- Duct and Housing Leakage Testing
- Compliance Review of ESF Air Cleaning Systems
- Personnel Training (ANSI/ASME and ASME AG-1)

LABORATORY AND ENGINEERING SERVICES

- Control Room Habitability Improvements and Upgrades
- Radioisotope "Heat Decay" Studies
- Chemical Effects Studies (on adsorbants)
- Treatment Technology Development and Design

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