

# NONDESTRUCTIVE EVALUATION SERVICES ENGINEERING & LOGISTICS



## Evaluating Critical Infrastructure

Containment equipment integrity is critical for safe and effective operation of most processes.

SoBran provides the Nondestructive Evaluation (NDE) Services to ensure this integrity to industrial and governmental customers with a spectrum of applications, from material fabrication to uranium enrichment.

Quality Assurance is the cornerstone of success for any application and SoBran provides NQA-1 QA support from technical vendor audits to program auditing.

## NDE Services

### Helium Mass Spectrometer Leak Testing (MSLT)

Detection and leak location

Vacuum spray and permeation

Absolute pressure differential

### Additional Testing and Evaluation Services

Visual testing

Welding inspection

Radon testing and mitigation

Ultrasonic testing

Consulting and training

## Quality Assurance Services

### NQA-1

Lead NQA-1 Auditor

Vendor Surveillance

Procedure development

Written Practice development

Consulting and training



Centrifuge Cascade Leak Testing (top)

Photo taken from Department of Energy, Office of Scientific & Technical Information, Using an Adapter to Perform the Chalfant-Style Containment Vessel Periodic Maintenance Leak-Rate Test (bottom), Bradley M. Loftin, PE, Donald J. Trapp, and Glenn Abramczyk, Savannah River National Laboratory (SRNL-STI-2011-00332)



### Applications

- Pipelines
- Powerplants
- Boiler Systems
- Condensers and refrigeration
- Heat exchangers
- Materials processing
- Gloveboxes
- Uranium enrichment processing equipment
- Written practice development
- NDE personnel training and certification
- NQA-1 auditing
- Vendor technical surveillance per NQA-1
- Procedure development pre NQA-1
- Clean rooms

### Credentials

- MSLT Level III (Mass Spectrometer Leak Testing)
- Level III Dye Penetrant Testing
- Level III VT (Visual inspection equal to AWS CWI)
- Level III UT (Ultrasonic Testing)
- NQA-1 Lead Auditor

## Responsive to Your Needs

SoBran has provided NDE services to the United States Enrichment Corporation (USEC), American Centrifuge Manufacturing (ACM), and Precision Fabrication Corporation (PFC), and for the past twelve years has had a contract with the Oak Ridge National Laboratory for other services that have been performed throughout the continental United States, Europe, and Asia.



Pressure Leak Check Using Sniff Probe

SoBran has also provided Radiological and Nuclear threat reduction and mitigation services for Department of Homeland Security, the Army, and Department of Treasury in the form of detection and containment services

We collaborate with complementary service providers, from SBA 8(a) program members to multi-billion dollar organizations. Reinforcing

our commitment to accessibility and responsiveness, our services are available through a variety of contract vehicles.

Let us show you how our continued commitment to quality, efficiency and service can help you realize your goals.

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