

Exceptional service in the national interest



Web Applications for Nuclear Nonproliferation

Technical Reachback Project

Summer 2015

Intern:

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Mentors:

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Project Mission: The Technical Reachback Program (TRB) at Sandia National Laboratories is committed to providing tools and data services to Customs and Border Protection (CBP) and law enforcement. The resources we provide assist in the detection and prevention of nuclear proliferation threats. TRB's contributions enhance the capabilities, speed, and accuracy of frontline officials as they assess the nuclear threats at our borders.

Web Applications: The construction of web applications allows users, no matter where they are, to gain access to information easily and quickly.

US Regions Application: The US Regions Application is a service that allows officials to easily look up contact information for various government organizations. It facilitates better communication and quicker coordination between different operating agencies. The application features a dynamic map that displays different regional information depending on the user's selection.

US Regions App

Federal Agency Regions & Contact Information

Choose an Agency or State

Radiological Assistance Program (DOE) Headquarters

Contact information:

Phone: 202-586-8100
301-903-3558

Twitter: [@NNSSANews](#)

Website: [Link](#)

More Contacts: [Link](#)

Mailing Address: U.S. Department of Energy
Office Of Emergency Response
19901 Germantown Road
Germantown, MD 20874

RAP Regions (show all)

Region 0 - Washington, D.C.
Region 1 - Brookhaven
Region 2 - Oak Ridge
Region 3 - Savannah River
Region 4 - Albuquerque
Region 5 - Chicago
Region 6 - Idaho
Region 7 - Oakland
Region 8 - Richland

Medical Radioisotope Application: The Medical Radioisotope Application allows individuals to quickly and easily lookup the cause of radioactivity in pedestrians that are attempting to enter into the US. The application contains information on many of the radioactive drugs available, and an interactive image of the human body allows officials to identify drugs local to specific body parts.

Medical Radioisotope App

[View all Drugs](#) [View all Manufacturers](#) [Search](#) [Drug Reference Sheet \(PDF\)](#)

Whole body



Search by drug or body part:

Head

Brain

- Ceretec
- Glucomate
- DaTSCAN

I-123 is used as a diagnostic treatment for evaluating Parkinsonian syndromes using SPECT brain imaging differentiate essential tremor from tremor due to idiopathic Parkinson's disease, multiple system atrophy and progressive supranuclear palsy on brain. Adult Dose: 3.0 - 5.0 mCi.

[More info](#)

Fluorine-18