

FRMAC Semi-Annual Teleconference January 2020

Radiological Assistance Program
Consequence Management
Highlights



Training Activities Support

- First 100 Minutes RDD Response Training
 - Jul 2019---R-3, Savannah River
 - Jul 2019---NCR, Washington, D.C.
 - Aug 2019----R-4, Albuquerque, NM
- AMS Proficiency Flights
 - Jul 2019---CBP, FBRC & R-3, Jacksonville, FL
 - Aug 2019---DOE SRS & R-3, Aiken, SC



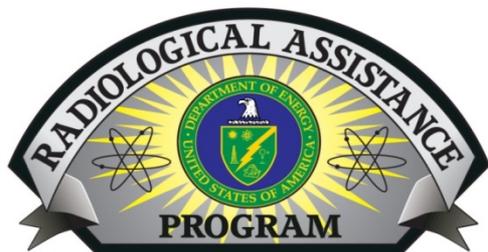
Training Activities Support

- FMT Sampling & Rad Responder Training
 - Aug 2019--- R-1 & state of CT, Yantic, CT
 - Oct 2019--- R-4 & state of AZ, Buckeye, AZ
- CSTs CM Training
 - Dec 2019--- R-5--- (IL, IN, IA), Champaign, IL
- Nuclear Weapons Incident Response Training
 - Aug 2019--- R-6---Malmstrom AFB, MT
 - Nov 2019--- R-3---Kings Bay, GA



Tabletop Exercise Activities Support

- Tabletop Exercises
 - Jul 2019---Isotope Crossroads---R-4, Houston, TX
 - Jul 2019---Silent Thunder---R-1, Burlington, VT
 - Sep 2019---Silent Thunder---R-3, Orlando, FL
 - Sep 2019---Naval Propulsion---R-2, Portsmouth, VA
 - Sep 2019----USCG Rad Detection Ops---R-8, Portland, OR
 - Nov 2019----Silent Thunder---R-5, Midland, MI



Deployments

- R-3---Aug 2019---Columbia, SC
- R-2---Oct 2019---Blount County, TN
- R-4---Dec 2019---Globe, AZ



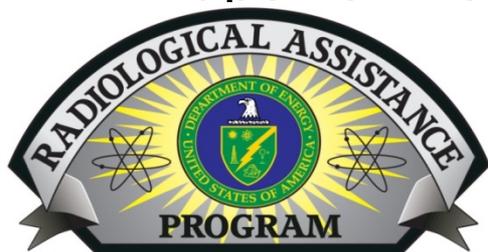
Deployments

Maxim Crane Response---R-3

- DOE Savannah River request rad surveys at Maxim Crane in Columbia, SC
- Crane previously used in a contaminated area to conduct lifts in a tank farm but experienced mechanical issues
- Crane surveyed & released for offsite repair
- Set of yellow coveralls found in the boom of crane upon arrival



Coveralls had been placed in a cardboard box, not discarded



Deployments

Maxim Crane Response---R-3

- Previously reported coveralls disposed of in a trash can or dumpster and subsequently emptied and hauled away
- RAP surveyed personnel, crane, coveralls, and dumpster
- No contamination detected through direct measurements or removable contamination



Survey of coveralls



Deployments

Private Residence Response---R-2

- Local county volunteer fire department located four pint-size containers at a private residence labeled as radiological material
- Local sheriff's department initially responded to residence due to a domestic dispute
- Wife advised of the radiological material in the home and the desire for it to be removed, as it was making her ill



Deployments

Private Residence Response---R-2

- Husband previously a Radiological Specialist in West Virginia
- Material/containers had no visual signs of leakage and no indications material came from a DOE contractor facility/site
- General dose rate measurements conducted and found to be slightly above background levels and consistent with a small check source or typical home smoke detector



Deployments

Private Residence Response---R-2

- Alpha/Beta/Gamma direct and removable contamination surveys conducted on all containers and some of the surrounding areas
- Results consistent with less than Minimum Detectable Activity
- Multiple spectra collected on the sources



Deployments

Private Residence Response---R-2

- Four isotopes confirmed as Cs-137 check source, Cs-137 check source associated with a Ludlum instrument, U-238 Depleted/Natural Uranium, and Am-241 small beads-possibly from a smoke detector
- Labeling on containers consistent with spectra identified



Deployments

AEC Container Lid Response---R-4

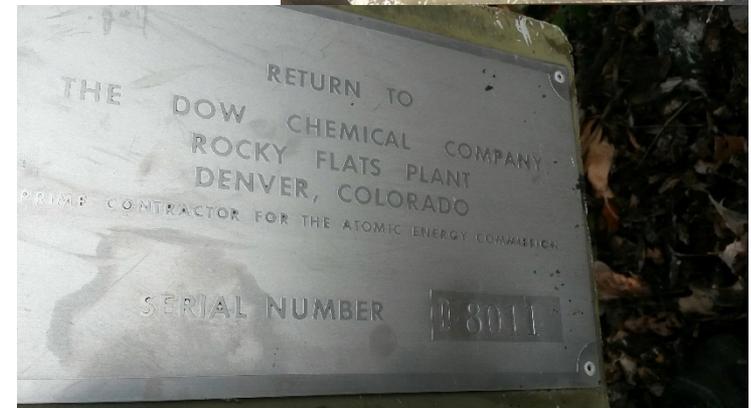
- Request from U.S. Dept of Agriculture
- Civilian found metal lid in Arizona mountains
- Dimensions = 77 9/16 L; 25 7/8 W; 12 7/8 D
- Metal lid had radiation markings



Deployments

AEC Container Lid Response---R-4

- Arizona sent survey team to do initial survey
- Surveys revealed nothing above background for dose & NDA for contamination
- RAP requested to coordinate retrieval & do additional surveys
- Transported to Sandia for waste disposal



Questions

