Georgia Department of Public Safety

Nuclear Radiological Detection Team
Atlanta Motor Speedway Airshow Oct 2019
DPS NRAD Team

• Comprised of 16 members – 2 full time, 14 collateral duty
• Organized mid 2018
• Currently equipped with the following equipment:
  • 6 RSI vehicle based mobile detection systems (can be transferred to UTV and air platforms)
  • 6 backpack detectors (2 Bubbletech Flex Spec G, 4 RSI RS350 GN)
  • 16 Flir R-300 Spectroscopic Personal Radiation Detectors
  • 2 Flir R-400 RIID’s
NRAD Training

• Officers have the following training:
  • Must be CVSA Level 6 certified or have comparable training (in addition to required DPS MCCD HM training)
  • NNSA CTOS Preventative Radiological Nuclear Detection Onsite training
  • MERRTT – Technician Level
  • New Mexico Tech Energetic Materials Research and Training Center Incident Response to Terrorist Bombings (IED familiarization)
  • FMCSA National Training Center Advanced Hazardous Material inspections
  • DOE Radiological Concepts and Tactics Integration Course
  • Training on gamma spectroscopy (waterfall and log scale)
NRAD Details Include

• Super Bowl 53
• Savannah St. Patrick's Day Parade
• Atlanta Motor Speedway July 4th events
• 2019 Atlanta Airshow
• Savannah Rock and Roll Marathon
• Concentrated details around the state capitol and Savannah port
• 2020 will add Atlanta Motor Speedway race weekend and NCAA Final Four
RCTIC – August 2019

• Radiological Concepts and Tactics Integration Course sponsored by DOE RAP 3
• Aug 5-8 at the Georgia Public Training Center
• 3 days of small-scale training followed by a full-scale exercise
• Full scale was to test the team's capability as well as operational capabilities of the equipment
• Scenarios included searches of multiple outdoor areas, indoor facilities at the state training center along an inject of a suspicious vehicle spotted in downtown Forsyth transporting radiological material.
RCTIC (cont’d)

- Radiation Solutions RS-600
  - 4 gamma
  - 2 neutron
RCTIC (cont’d)

- Radiation Solutions RS-600
  - 2 gamma system
Backpack Detectors
UTV Setup
RCTIC (cont’d)
• Using multilinker software, we are able to track all backpacks and mobile systems and receive real-time information from the field without the officers needing to enter information.
Joint CST/DOE/NRAD Exercise

• Joint training exercise between 4th WMD CST, DOE RAP 3 and DPS NRAD on Nov 16-17 in Augusta GA

• Goal of the exercise was to coordinate air and ground operations using high level sources

• Sources were transported in vehicles and placed around the Richmond County Sheriffs Office training complex
NRAD Air Platform
Bell 429 with 5 Gamma Detectors
RS-600 ATV box mounted in the Bell 429 in executive configuration
Aircraft View
• CST also used aircraft from the Georgia Air National Guard
Once the source was located from the aircraft, information was relayed back to the command center and ground units for a localized search.
Questions?

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