State of Ohio
First Responder
Radiological Emergency
Procedures and Resources

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Procedures
• Recognize presence of radioactivity:
  – Labels, markings, placards, shipping papers, shipper, signage, facility manager, instrument reading
• Save Lives:
  – Rescue, triage, treat, transport
• Isolate area:
  – Rope off, evacuate from hot zone, decontaminate
• Notify:
  – ODH

Resources
• County
  – EMA
  – Hazmat Team
  – Hospital
• State
  – ODH
  – ODPS-OEMA
  – OEPA
  – PUCO
  – 52nd WMD CST
• Federal
  – RAP
  – NARAC
  – REAC/TS
  – AMS
  – CMRT I, II, FRMAC
  – ARG
  – NEST
• Private
  – Licensees

Sources of Equipment Support
• ODPS-OEMA
  – Civil Defense Equipment at no cost
  – Contact County EMA for request to OEMA
  • CDV-777-1 detector set consisting of:
    – CDV-700: 0-50 mR/hr gamma dose rate meter / 0-30,000 cpm beta/gamma contamination detector
    – CDV-715: 0.05 R/hr – 500 R/hr gamma dose rate meter
    – CDV-742: 0-200 R gamma direct-reading dosimeters (6)
    – CDV-742: direct-reading dosimeter charger
  • CDV-700RP or CDV-700M: 0-30,000 cpm alpha/beta/gamma contamination detector
  • CDV-718: 0 μR/hr – 10,000 R/hr gamma dose rate meter
  – Beta detection capability
  – 0 μR – 10,000 R electronic alarming dosimeter

Sources of Equipment Support
HDER
– Homeland Defense Equipment Reuse Program
  • Government surplus instruments at no cost
  • Contact: Dan Redman, Ohio EMA (614)688-3363
• Grants
  – Federal grants administered by OEMA given to County EMAs:
    • planning, training, equipment
    • Contact your County EMA
Sources of Training Support

- ODPS-OEMA
  - Contact County EMA for request to OEMA:
    - OH200: 12 hour course consisting of radiation basics, biological effects, dose limits, meters and dosimeters, emergency response, with hands-on workshops.
    - OH215: 8 hour course consisting of detection, decontamination operations, and hands-on workshop.
    - OH205: 4 hour course consisting of meters and dosimeters, dose limits, with hands-on workshop.

- ODH
  - Contact County EMA for request to ODH:
    - G346 Hospital Management of Radiological Patients

- DHS-FEMA:
  - Individual Study:
    - Available at http://training.fema.gov/EMIWeb/IS/crslist.asp
    - IS-3: Radiological Emergency Management
    - IS-301: Radiological Emergency Response Operations
    - IS-346: An Orientation to Hazardous Materials for Medical Personnel
  - Resident courses at Noble Training Facility, Anniston, Alabama (Fort McClellan):
    - Schedule at: http://training.fema.gov/EMIWeb/EMICourses/rclist2003.asp#First
      - S-301: Radiological Emergency Response Operations (4½ days)
      - S-302: Advanced Radiological Incident Operations (4½ days)

- DHS-ODP:
  - Courses available at your department and at the Nevada Test Site.
    - Description at: http://www.ojp.usdoj.gov/odp/docs/coursecatalog.pdf
    - Schedule contact OEMA Debra Hartman 614-799-3824
    - AWR-140 WMD Radiological/Nuclear Awareness
    - AWR-141 WMD Rad/Nuc Awareness Train-the-Trainer
    - PER-240 WMD Radiological/Nuclear Responder Operations Course
    - PER-241 WMD Radiological/Nuclear Course for HazMat Technicians

- DOE-REAC/TSA:
  - Resident courses at Oak Ridge, TN. Schedule available at http://www.orau.gov/reacts/courses.htm
    - Medical Planning and Care in Radiation Emergencies
    - Handling Radiation Emergencies by Emergency Department Personnel
    - Health Physics in Radiation Emergencies
Sources of Response Support

• STATE of OHIO:
  – ODH: (614) 644-2727
  – ODPS-OEMA: (614) 889-7150
  – OEPA: (614) 282-9378
  – PUCO: (614) 644-5479
  – 52nd WMD CST: (614) 336-6597

Sources of Response Support

• Ohio Department of Health, Bureau of Radiation Protection
  • (614) 644-2727 24-hr emergency
    – Situation assessment
    – protective action advice to the Incident Commander
    – assist local responders

Sources of Response Support

• Ohio Department of Public Safety - Emergency Management Agency
  • (614) 889-7150 24-hr emergency
    – assist local responders
    – locate resources for the Incident Commander
    – make Federal notifications

Sources of Response Support

• Ohio Environmental Protection Agency
  • (614) 282-9378 24-hr emergency
    – assist local responders
    – assess dose
    – sample environment
    – facilitate cleanup

Sources of Response Support

• Public Utilities Commission of Ohio
  • (614) 644-5479 24-hr emergency
    – Conduct radiological surveys and contamination control surveys of radiological shipments
    – Conducting investigations at the scene of trucking, rail, and hazardous materials accidents
    – Identification of hazardous materials, and ensuring proper compliance with regulations for transport
Sources of Response Support

- Ohio Army National Guard, 52nd Weapons of Mass Destruction, Civil Support Team
- (614) 336-6597 24-hr emergency
  - Assess a suspected nuclear, biological, chemical, or radiological (NBC/R) event in support of a local Incident Commander
  - Advise civilian responders regarding appropriate response actions, and;
  - Assist requests for assistance to expedite arrival of additional state and federal assets to help save lives, prevent human suffering, and mitigate great property damage.

Sources of Response Support

- Federal:
  - RAP
  - NARAC
  - REAC/TS
  - AMS
  - CMRT I, II, FRMAC
  - ARG
  - NEST

Sources of Response Support

- RAP – Radiological Assistance Program - first federal team on scene, responsible for assessing emergency situation and deciding what further steps should be taken to minimize the hazards of a radiological emergency.
  - (630) 252-4800 24-hr emergency Chicago DOE Region 5

Sources of Response Support

  - http://narac.llnl.gov
  - (925) 424-6465 24-hr emergency

Sources of Response Support

- REAC/TS – Radiation Assistance Center/Training Site – provides treatment and medical consultation for injuries resulting from radiation exposure and contamination, as well as serving as a training facility.
  - (865) 576-1005 24-hr emergency

Sources of Response Support

- AMS – Aerial Measurement System – detects, measures, and tracks radioactive material to determine contamination levels.
  - Requested through RAP
• CMRT Phase I, II, and FRMAC – Consequence Mgt Response Team Phase I and II, and the Federal Radiological Monitoring and Assessment Center – coordinates Fed. monitoring and assessment activities. Requested through RAP.

• ARG – Accident Response Group – deployed to manage or support the successful resolution of a U.S. nuclear weapon accident anywhere in the world. Requested through RAP.

• NEST – Nuclear Emergency Support Team – provides the nation’s specialized technical expertise to the Federal response in resolving nuclear/radiological terrorist incidents. Requested through RAP.

• Licensees