North Carolina Health Physics Society
Team of Radiological Emergency Volunteers
NCHPS TOREV

• Presented by:
  – Dawn Burke: NCDENR
  – Amy Lynn (formerly Moss): Innovative Emergency Management
Status of TOREV

• We are in a building mode
  – Recruiting volunteers
  – Development of a database
  – Assess current training of volunteers
  – Initiate training of volunteers
What is on NCHPS TOREV horizon?

- Duke Energy’s Catawba Nuclear Plant’s Ingestion Pathway Exercise
- July 29 and 30, 2008
- Located in the Charlotte, NC area
- Large scale exercise – many federal, state, and local entities involved
Ingestion Pathway?

• Nuclear power plants plan encompass two zones around the plants
  – 10-mile radius Emergency Planning Zone (EPZ)
    • Plume Phase of an incident
  – 50-mile radius EPZ
    • Ingestion phase of an incident
Ingestion Pathway

• Ingestion Phase
  – July 30, 2008
  – Sampling of water, foodstuffs and milk
  – TOREV health physicists will liaison with other responders in the field
Other Responders

- **State entities**
  - Department of Health and Humans Services
  - Agriculture
  - Public Water Supply
- **Federal entities**
  - 42\(^{nd}\) CST – National Guard
  - Federal Radiation Monitoring and Assessment Center (FRMAC)
  - Southern Mutual Radiological Assessment Pac (SMRAP)
  - Savannah River Site Radiation ?? (SRSRAP)
What is expected of TOREV members during the Ingestion Pathway Exercise?

- Accompany field teams comprised of various federal and state entities
  - Collect samples
  - Label samples
  - Transport samples to the NCDRP Mobile Lab
  - Log in samples
How do I get ready for the exercise?

• First Responder Training
  – Online
  – Community college courses

• Exercise Training
  – April 30th @ the Fire Academy on Shopton Road
    Charlotte, NC
  – Will prepare responders for field work; sampling and
    sample preparation in the field for the mobile lab
How do I get ready for the exercise?

- Additional training in Charlotte, NC @ the National Guard Amory, 4240 West Blvd., Charlotte, NC
  - March 14, 2008
  - June 2008
How do I get ready for the exercise?

• Training will focus on
  – Sampling
  – Basic personnel protective equipment (PPEs)
  – Communications
  – Navigation

• Equipment to be used in the field
  – Radiation detection
  – Dosimetry
  – GPS and communication
  – PPEs: gloves, booties, particulate masks, goggles, Tyvex (if needed)
What value does TOREV add?

- Radiological information gathered in the field will be driving the decisions made in North Carolina and South Carolina.
Decision Makers

- Local Emergency Operation Centers (EOC) – each county in the 50-mile radius around the plant
- State Emergency Operations Center (also known as the SERT) in Raleigh
- The same decision makers are in South Carolina
Questions?????

• If interested in TOREV please contact:
  – Dawn Burke: dawn.burke@ncmail.net
    • 704-631-8784
  – Amy Lynn: amy.lynn@iem.com
    • 919 840-1191