Radiological Emergency Volunteer Corps (REVC)

North Carolina Emergency Management

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Radiological Emergency Preparedness Program

Covers emergency planning for the nuclear power plants in and within 50 miles of North Carolina.
Regulators

The NRC is responsible for licensing and regulating the plant (everything inside the fence).

FEMA regulates the public safety response (outside the fence).
Funding

The REP program is funded by nuclear power plant owners at the federal, state and local levels.
Emergency Planning Zones

10-Mile EPZ – Plume Exposure Pathway
Emergency Planning Zone: Projected radiation doses from design basis accidents will not exceed the protective action guide outside this zone. Doses in worst case accidents will not be life-threatening outside this zone.

50 Mile EPZ – Ingestion Pathway Zone (IPZ): Released radioactivity should settle out within this zone.
Nuclear Plants in North Carolina
Nuclear Power Plants with a 10-mile EPZ in North Carolina
State of North Carolina
10 Power Plants, 69 IPZ Counties

Surry Power Station
H.B. Robinson Nuclear Plant
V.C. Summer Nuclear Station
Oconee Nuclear Station
Sequoyah Nuclear Plant
Watts Bar Nuclear Plant
McGuire Nuclear Station
Catawba Nuclear Station
Harris Nuclear Plant
Brunswick Nuclear Plant

North Carolina Emergency Management
Emergency Response
Evacuation

When projected dose is >1 rem, plans call for general public evacuations in accordance with EPA guidance.

The public will be asked to evacuate to Reception Centers where they can register and be monitored for contamination.
MISSION

To respond to radiological emergencies and events in support of local, regional, and state requests for setup and staffing of radiation screening/monitoring stations, in particular at designated reception and congregate care centers.
Established in 2014 as a Conference of Radiation Control Program Directors pilot project.

Became a Medical Reserve Corps (MRC) unit in 2016.

Moved under NCEM in 2020.
Who is the REVC?

**Members:** 66 trained volunteers registered in NC TERMS with others pending approval

**REVC Credentials (in TERMS):** 13 Team Leaders and 53 Team Specialists

**Professional Backgrounds:**
- 16 Health Physics (Health & Medical)
- 14 Healthcare (Hospital & EMS)
- 13 Emergency Management (EM/Fire/LE/HazMat)
- 12 Public Health (Industrial Hygiene/Environmental Health)
- 9 State Medical Response System (various)
- 2 Animal Health (VRC-Vets)
Population Monitoring

At Reception Centers during REP events.
Two exercises per year

Other radiological emergencies
Industrial
Transportation
Medical
How to Become a REVC Volunteer

Sign up in NC TERMS

Interview with the program coordinator

Review and sign the REVC Memorandum of Understanding
What We Ask of You

Complete the required online training.
Attend a Reception Center Training or the REVC annual training day at least once every two years.
Keep your profile updated in TERMS and respond to notifications.
More Information

https://nchpp.com/what-we-do/revc/

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Questions?