

# The Role of TOREV

NC Chapter's Resource in  
Emergency Response

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# For Starters

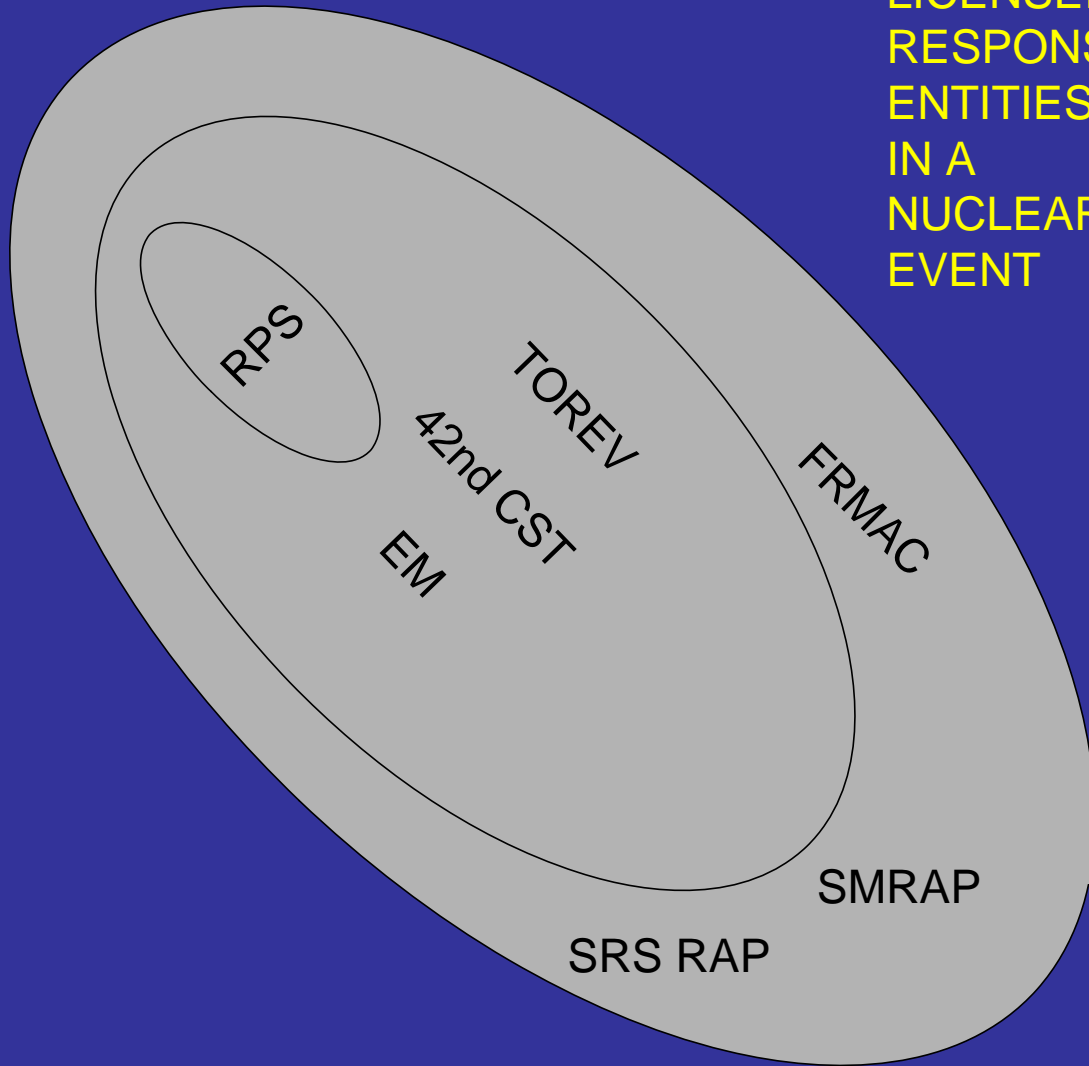
- Does day to day health physics leave you wanting more?
- Has “The thrill is gone” become your theme song for the end of the work day?
- If so, TOREV may be a good option for you.
- So what is TOREV?

# What Is TOREV?

TOREV is the

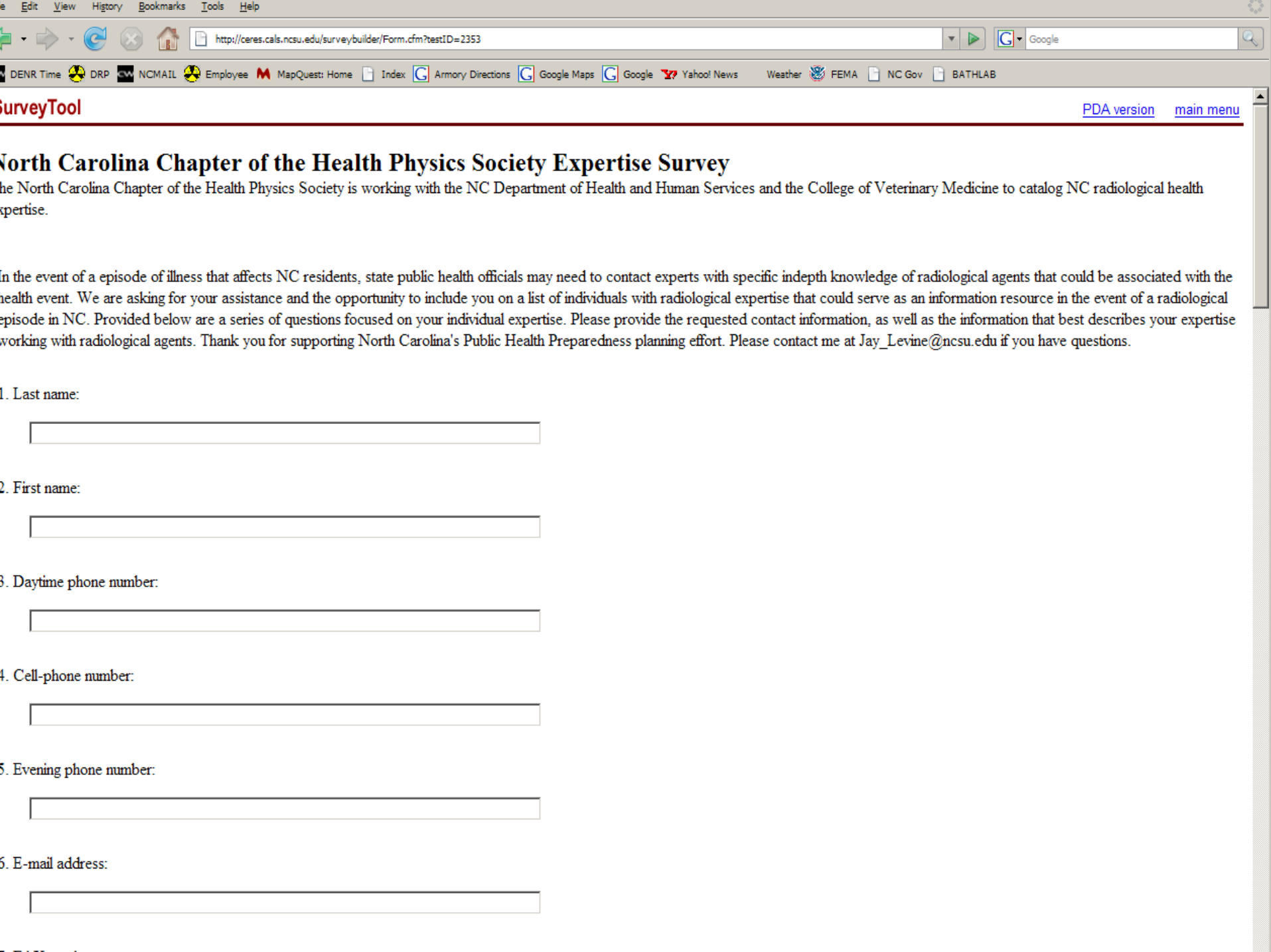
- Team
- of
- Radiological
- Emergency
- Volunteers

NON-  
LICENSEE  
RESPONSE  
ENTITIES  
IN A  
NUCLEAR  
EVENT



# How to Start

- Go to <http://ceres.cals.ncsu.edu/surveybuilder/Form.cfm?testID=2353>
- Enter your information
- E-mail a confirmation that you've submitted the form to [Dawn.Burke@ncmail.net](mailto:Dawn.Burke@ncmail.net)



## North Carolina Chapter of the Health Physics Society Expertise Survey

The North Carolina Chapter of the Health Physics Society is working with the NC Department of Health and Human Services and the College of Veterinary Medicine to catalog NC radiological health expertise.

In the event of an episode of illness that affects NC residents, state public health officials may need to contact experts with specific indepth knowledge of radiological agents that could be associated with the health event. We are asking for your assistance and the opportunity to include you on a list of individuals with radiological expertise that could serve as an information resource in the event of a radiological episode in NC. Provided below are a series of questions focused on your individual expertise. Please provide the requested contact information, as well as the information that best describes your expertise working with radiological agents. Thank you for supporting North Carolina's Public Health Preparedness planning effort. Please contact me at [Jay\\_Levine@ncsu.edu](mailto:Jay_Levine@ncsu.edu) if you have questions.

1. Last name:

2. First name:

3. Daytime phone number:

4. Cell-phone number:

5. Evening phone number:

5. E-mail address:

Survey Tool - Mozilla Firefox

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8. University/Institution/Company/Agency

9. University/Institution/Company/Agency Address:

10. Do you have incident command system certification?

Yes

No

11. If you answered yes to the incident command certification question above please note the ICS certification you have obtained (check all that apply). If you answered no, please move on to question 14.

ICS 100 Introduction to ICS

ICS 200 Basics

ICS 300 Intermediate

ICS 400 Advances

Advanced Incident Command Sys.

Community Emergency Resp. Team

Debris Mgmt.

Disaster Mgmt.

Emerg. Oper. Comm. Mgmt. Operations

Flood Operations

Hazardous Materials

Mass Care/mass Fatalities

Multi-agent Coordination

Multi-hazard Emerg. Planning

National Incident Mgmt. Sys.

NC CART

NC SART

Radiological Emergency Response

12. Please indicate the radiological agents with which you have specific expertise.

Americium-241 (Am-241)

Cesium- (Cs-137)

Cobalt-60 (Co-60)

Iodine-192 (I-131)

Iodine-131 (I-131)

Done

12. Please indicate the radiological agents with which you have specific expertise.

- Americium-241 (Am-241)
- Cesium- (Cs-137)
- Cobalt-60 (Co-60)
- Iodine-192 (I-131)
- Iridium-192 (Ir-192)
- Plutonium
- Strontium-90 (Sr-90)
- Uranium-235 or 238 (U-235,U- 238,)

13. Please indicate the radiological agents with which you have specific expertise (cont.)

- Carbon-14 (C-14)
- Phosphorus-32 (P-32)
- Sulfur-35 (S-35)
- Tritium (H-3)

14. Please list any additional isotopes with which you have expertise.

15. Please indicate which technologies you are capable of operating?

- Gamma spectroscopy (NaI)
- Gamma spectroscopy (HpGe-high purity germanium)
- Liquid scintillation analysis
- Proportional counter (such as Alpha, beta counting)
- Alpha spectroscopy
- ICPMS
- Portable field gamma identifiers
- Basic survey meters (such as Ludlum 14C and 19 model meters)

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16. Which of the following radiological laboratory equipment do you have access to?

- Gamma detection equipment
- Solid state gamma detector
- Gamma analysis MCA, software and digital signal processor
- Gross particle detection equipment
- Liquid scintillation counter
- Alpha/Beta counters
- Alpha spectroscopy
- Inductively coupled mass spectroscopy

17. Do you have access to hand-held survey meters (Ludlum 14C, 19)?

- Yes
- No

18. Please indicate how many hand-held survey meters are available.

19. Do you have access to hand-held field gamma identifiers?

- Yes
- No

20. Please indicate how many field gamma identifiers are available.

21. Do you have access to portable air-samplers?

- Yes
- No

22. Please indicate how many portable air samplers are available.

23. Please indicate which of the following you feel capable of conducting?

Done

# Summary

- TOREV offers an opportunity to assist the Radiation Protection Section and the state in radiological incidents and events.
- You can start by logging in your information at <http://ceres.cals.ncsu.edu/surveybuilder/Form.cfm?testID=2353>
- Please e-mail that you have submitted your information to Dawn Burke, at [dawn.burke@ncmail.net](mailto:dawn.burke@ncmail.net) or me at [dale.dusenbury@ncmail.net](mailto:dale.dusenbury@ncmail.net).