

ADVISOR



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RADIOLOGICAL EMERGENCY PREPAREDNESS

The Radiological Emergency Preparedness Unit (REP) of the Connecticut Department of Emergency Management and Homeland Security (DEMHS) is responsible for the development, evaluation and implementation the State's Radiological Emergency Preparedness Response Plan (RERP) and program. This plan would be followed in the unlikely event of a nuclear power plant incident at either the Millstone Nuclear Power Plant in Waterford, Connecticut or Indian Point Nuclear Power Plant in Buchanan, New York. The plan incorporates the Millstone emergency planning zone (EPZ) (also known as the plume exposure pathway), that is approximate 10-mile radius of Millstone Station and the 50-mile ingestion pathway zone for both Millstone and Indian Point. The plan outlines relationships and communication links between the local, state and federal agencies and provides detailed procedures for state and local public safety officials to take to respond to a nuclear power plant emergency.

The Millstone EPZ has nine (9) Connecticut communities and one (1) New York community. The Connecticut EPZ communities include East Lyme,

Groton City, Town of Groton, Ledyard, Lyme, Montville, New London, Old Lyme and Waterford. In New York, the Hamlet of Fishers



Island is within the Millstone EPZ. The Plum Island Animal Disease Center (PIADC) in New York State, while also physically located within 10-miles of Millstone, is a non-residential federal facility. There are 125,000 permanent residents in the 10 mile planning zone and up to 207,000 people estimated to be in the planning zone on winter weekdays (workers, college students, etc.). The REP plan addresses the actions necessary to provide for the safety and security of all these individuals and to the entire state.

Ingestion Pathway Exercise

In October of 2010, an Ingestion Pathway Exercise will be held and evaluated by FEMA and the

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FROM THE COMMISSIONER



Peter J. Boynton
Commissioner

The President's remarks to the nation at West Point on December 1st included two quotes that are particularly relevant to all of our public and private sector partners working together for both homeland security and emergency management here in Connecticut.

Although we continue to have no known, specific, credible

threat to Connecticut, it is also the case that there is a continuing general threat across the country based on both home-grown and foreign-based extremism.

The President's comments highlight this, as excerpted below:

"... This is no idle danger; no hypothetical threat. In the last

few months alone, we have apprehended extremists within our borders who were sent here from the border region of Afghanistan and Pakistan to commit new acts of terror ..."

"... And we can't count on military might alone. We have to invest in our homeland security, because we can't capture or kill

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RADIOLOGICAL EMERGENCY PREPAREDNESS

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NRC. Ingestion pathway refers to the ingestion of radiologically contaminated materials by humans. The goal is to avoid this occurring either directly (through air, food, and water), or indirectly, through milk from cows that have eaten contaminated vegetation, for example). This full-scale exercise will test the recovery and reentry portions of the RERP. Connecticut will simulate determining areas of radiological contamination, sampling of air, water, vegetation and food. Once contamination and contaminated areas are identified, we will show how we will determine contaminated areas and facilitate reentry of emergency



workers.

As always, the main focus of exercising this portion of our preparedness plan is protecting the health and safety of our fellow citizens. This plan extends to our neighbors in New York and Rhode Island, who may be affected in this type of situation. We also maintain communications with Massachusetts for informational and mutual aid purposes.

Besides the usual involvement

from FEMA and NRC, our other federal partners are also very involved in this exercise. The Department of Energy (Nevada), CDC (HHS), FDA, USDA, and EPA are part of a team that assists States with mapping, determining levels of contamination, flyovers, sampling techniques, health physics, etc. These partners will be presenting an Outreach conference and training session in July of 2010.

“We are very grateful to the men and women (volunteers and paid emergency workers) who train hard and conduct regular drills and exercises to ensure the safety of Connecticut’s residents and visitors around the Millstone emergency planning zone.”

- Deborah Ferrari, REP program supervisor

FOCUS ON: LYME EMD

After ten years serving as Emergency Management Director for the town of Lyme, Lee Watkins is standing down. In 1999, when he accepted the appointment, Lee inherited an operations center supplied with outdated computers and aging radios. A decade later he is passing on to his successor, fellow Lyme resident Jeremy Burlingham, an EOC fully equipped with up-to-date computer and communications tools and the latest in contingency planning.

During his tenure, Lee partnered with Old Lyme and Regional School District 18 to complete a “first in the nation” relocation drill of the district’s 1400 school children. “To this day FEMA is so impressed,” Mary Rose Duberek, Connecticut Emergency Preparedness Program Specialist, said of the 2005 relocation exercise.

The Emergency Planning Zone of Millstone Nuclear Power Plant includes four of the five campuses in the Lyme-Old Lyme Regional School

District 18 system. In partnership with his friend and fellow Emergency Management Director for the town of Old Lyme, Dave Roberge, Lee drafted new relocation directives, vetted them with the Connecticut Office of Emergency Management, and inspired then School Superintendent David Klein and the Board of Education to allow a full scale drill to test them out.

Emergency management tools may have changed dramatically since 9/11 but the importance of good working relationships is nothing new. Lee’s been a member of the Lyme Fire Company since 1989, serving in every elected office at one time or another including that of chief. On the day of the relocation exercise more than 50 volunteers from the Lyme Fire Company and the Lyme Ambulance Association took time off from work to help. District 18’s staff and teachers, many of whom had attended an Incident Command Class taught by



Lee Watkins, Lyme EMD

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GIS DAY

On Wednesday, November 18, people from around the state gathered at the Legislative Office Building to celebrate GIS Day in Connecticut. Each year at this time the Education and Outreach Working Group of the GIS Council organizes the event as part of Geography Awareness Week. The lower concourse of the LOB was a gallery of colorful maps and map posters from cities and towns, state agencies, and regional planning organizations.

A sampling of the wide range of titles included Relocation of Endangered Species in South Windsor, GIS Activities at Coast Guard Academy, Historic Development of Newington, Walking to School in Terryville, and Finding Fantastic Foster Families. Maps that use GIS for analysis explored subjects of social or environmental consequence such as toxic trace metal contamination, aquifer protection areas, and areas of motor vehicle thefts. Map posters looking to demonstrate the surprising aspects of geography displayed recent movie locations in Connecticut and where Native Americans settled along the shoreline.

Table displays and demonstrations covered subjects ranging from regional GIS user groups to computer demonstrations of DOT and National Guard GIS. UConn's Center for Land Use Education and Research (CLEAR) shared a table with DEP where people could log in to explore Connecticut environmental

Center for Land Use Education and Research
Connecticut's Forest Fragmentation
 On the web at: clear.uconn.edu/project/landscape/forestfrag

The University of Connecticut Center for Land Use Education and Research (CLEAR) is pleased to announce that the results of our statewide forest fragmentation analysis are now online. About 60% of the state is classified as "forested," i.e., covered with trees (as determined by our Connecticut's Changing Landscape project). However, trees cover alone is not a reliable indicator of the functional health of forested ecosystems, which are greatly impacted by proximity to non-forested areas. By applying CLEAR's forest fragmentation model to our land cover data, we can get a feel for these issues. For instance, from 1985-2006, the amount of "core" forest decreased by about 264 square miles; this includes conversion both to non-forest, and to the other (impacted) forest classes.

The analysis results are available as statewide, town level, and watershed level maps, data tables and downloadable data. Take a look!

CLEAR
 Center for Land Use Education and Research

Connecticut NEMO is an educational program of the University of Connecticut Center for Land Use Education and Research (CLEAR). Land, Sea and Space Grant, cooperating.

For more information about Connecticut's Forest Fragmentation contact Emily Wilson, Research Educator, at (860) 383-6311 or emilys@clear.uconn.edu.

Map Legend

- Patch Forest
- Edge Forest
- Non-Forest
- Core Forest (<250 ac)
- Core Forest (250-500 ac)
- Core Forest (>500 ac)
- Developed
- Openland
- Water

Statewide Forest Types, 2006

(Above) 2006 Forest fragmentation map of Connecticut, with a close-up of Andover from the four town portion of the study website.

(Bottom right) The pie chart shows the breakdown of forest categories, statewide, in 2006.

Forest Type	Percentage
Core	46%
Edge	34%
Patch	20%

University of Connecticut
 College of Agriculture and Natural Resources

conditions online (CT ECO). The Connecticut Geographic Alliance had two tables covered with materials promoting geographic learning in schools and universities.

In a hearing room, speakers from around the state gave presentations ranging from the history of aerial photography in Connecticut, and the extent of GIS use in our cities and towns, to public participatory GIS, and storm water management and pollution mitigation.

The event concluded with a meeting of the Governor's GIS Council, during which the student who won the 2009 Connecticut Geographic Bee was awarded certificates of recognition from the state legislature and the GIS Council.

While the presentations and displays lasted just one day, the map posters decorated the concourse gallery for the entire month of November.

-Peter Sandgren, DEMHS

Chair, Education and Outreach Working Group of the GIS Council.

EVERBRIDGE® SYSTEM

Everbridge® is an emergency telephone notification system. It is capable of alerting the general public by telephone, fax, text, and cell phones of immediate and potential emergency situations.

The State of Connecticut, through the Department of Public Safety, in conjunction with DEMHS, is deploying this system for use by all 911 centers and municipalities. Phase 1 of the implementation process has been completed with the loading of the State Geographic Information System (GIS) information, and the State 911 data base, and is operational in the State Emergency Operations Center (EOC). Phase 2 of implementation will involve training users statewide over the coming months, as well as establishing a policy development working group.

"The Everbridge system will greatly enhance Connecticut's capability to notify the public in the event of an emergency."

-John Gustafson, DEMHS Emergency

**Telecommunications
 Manager**

December 2009

SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

TRAINING AND EVENTS

- 1-3 Threat and Risk Assessment: Local Jurisdiction— Region 5 Office, Southbury, CT
- 2 Regional Catastrophic Planning Team Kick-Off Meeting with NY and NJ – TENTATIVE
- 8-10 HazMat Defensive Operations for Emergency Responders – New Haven Regional Fire Academy
- 8-9 Ambulance Strike Team Medical Task Force Leader Training
- 24 STATE FURLOUGH DAY
- 25 HOLIDAY

SAVE THE DATE:

January

TBD Region 3 Autumn Storm and Pandemic Full-Scale Exercise

FROM THE COMMISSIONER

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every violent extremist abroad. We have to improve and better coordinate our intelligence, so that we stay one step ahead of shadowy networks ...”

Responding to the continuing threat is a real challenge. Terrorism is an ongoing challenge, and we must resist the tendency towards complacency. This is made all the more difficult today with the fiscal realities that we all face.

Here’s what we’re doing: The DEMHS Office of Counter Terrorism (OCT) includes local, state and federal partners assigned to the Critical Infrastructure Unit (CIU), the Connecticut Intelligence Center (CTIC), and work-

ing with the FBI’s Joint Terrorism Task Force (JTTF). DEMHS has coordinated a site-survey by the federal Department of Homeland Security (DHS) to upgrade physical security at the DEMHS headquarters office located at Sigourney Street in Hartford. When completed, this DHS-funded initiative will provide for a satellite-CTIC location in the capital city of Hartford, while at the same time retaining the principal CTIC location in partnership with the FBI in New Haven. DEMHS is also co-locating the Critical Infrastructure Unit from Brainard Airport to the Sigourney Street office with the Satellite-CTIC. Better integration of fusion centers and critical infrastructure is part of a national initiative by DHS, and this co-location is the first step for Connecticut to achieve

this goal. With the support of the Department of Public Safety, we are also filling vacancies from the recent retirement incentive program in the DEMHS OTC staff with Connecticut State Police being detailed to DEMHS. Finally, Deputy Commissioner Hard has organized a CTIC Working Group including local, state and federal partners to re-focus and help bring CTIC to the next level and meet the needs of our partners at the local, state, tribal and federal level here in Connecticut.

HURRICANE SEASON ENDS

The 2009 Hurricane Season officially ended November 30. This was an especially quiet season, with the El Nino system dominating the weather patterns and reducing Atlantic storm activity.



There were three named hurricanes, six tropical storms, and two tropical depressions. While

Connecticut was lucky enough to avoid being hit with at large storm this year, DEMHS trained

and prepared for just such an event and will continue to prepare for the 2010 season.

Experts agree that New England is statistically due for a Category 3 or above storm and DEMHS is working hard to ensure that Connecticut is well prepared.



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FOCUS ON: LYME EMD

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Lee and Dave in preparation for the exercise, also took part.

“It’s one thing to talk about it,” said Lee, “but we actually moved [an entire school system]. We talk about Millstone and that has always been the focus, but what we learned can apply to any emergency... It’s worth noting that the State of Connecticut was incredibly cooperative.”

Lee also spearheaded relief efforts for the Louisiana community of Cameron Parish that was devastated by Hurricane Rita. He contributed tirelessly to the successful 2005-2006 relief efforts, which supplied hundreds of thousands

of dollars in donated fire equipment, emergency supplies, gift cards and toys. The residents were tearfully grateful when the Lyme-Old Lyme version of Santa Claus rolled into Cameron, La., in December 2005. “We cannot thank you enough,” was the repeated response via email, telephone and letters from Louisiana.

Given his dedication to service, it’s not surprising that Lee has offered to stay connected to the Lyme EMD office to help out Jeremy Burlingham as Deputy Director. “The commitment volunteers give to their communities,” Mary Rose said, “is really something else. Lee’s efforts have been remarkable.”

-submitted by Claire Kearney, Town of Old Lyme

If You See Something Suspicious... Say Something!

1-866-HLS-TIPS

In an emergency contact your local police - 911

For Connecticut's Homeland Security




DEMHS posts a weekly [situation report](#) on our website to keep you apprised of the current H1N1 Flu season. You can also login to Web EOC® to view the situation report. For more on influenza from the State of Connecticut and the US Government, you can also go to [CT FLU WATCH](#) on the web.

To remove your name from our mailing list, please [click here](#).
 Questions or comments? [E-mail](#) us or call 800-397-8876