Safety Planning Information for Neighbors of Millstone Power Station

PARA OBTENER LA VERSION ESPANOLA DE ESTA GUIA O LA ADJUNTA ENCUESTA PARA NECESIDADES ESPECIALES, llame (800) 397-8876, o contacte su Oficina de Manejo de Emergencias local.
Readiness Preparation Checklist

Use this checklist to prepare for an emergency situation:

- Individuals with functional needs that affect your ability to evacuate should complete and return the confidential registration form. This form is mailed to residents within the 10 mile preparedness zone around Millstone every year. You may also contact your community's Emergency Management office to let them know of your needs (see page 29 for local offices).
- Review this booklet carefully and keep it handy.
- Make sure everyone in your household knows what to do in an emergency, especially children.
- Keep important papers in a safe and handy place.
- Make sure your vehicle is ready to use, have an extra set of car keys and keep emergency supplies in your vehicle:
  - Flashlight and batteries
  - First aid kit
  - Safety flares
  - Fire extinguisher
  - Road maps
- Develop an emergency supply kit, including:
  - A three-day supply of water (1 gallon/person per day).
  - Battery-powered radio, cell phone, extra batteries.
  - Food for at least 3 days – canned/sealed packaged foods and juices that do not require refrigeration or cooking. Foods for infants and elderly.
  - Non-electric can opener, cooking tools and fuel, paper plates and plastic utensils.
  - Toiletries.
  - Blanket/sleeping bag, pillows for each member of the family, a change of season-appropriate clothing.
  - Prescription and non-prescription medications your family needs.
  - Baby and children’s items (diapers, toys, and books).
- Develop a plan for your pets before there is an emergency. See page 14 for a sample pet emergency supply kit.
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What Happens During A Nuclear Power Plant Emergency?

A nuclear power plant emergency could result in the release of radioactive material. Normally, this radioactive material is contained within the plant by a number of protective barriers and systems. In the unlikely event that protective barriers or systems fail to work properly, radioactive material in the form of gases or small particles could escape from the plant into the air. This could result in the public being exposed to radioactive contamination and receiving a dose of radiation.

How Will You Know That An Emergency Exists?

Local or State Officials will alert the public if an emergency exists at Millstone Station. They may use several methods to alert and notify including: CT Alert (automated telephone calls or texts), Social Media, News Media, the Emergency Alert System (EAS) on radio and televisions, and emergency sirens.

Emergency sirens are an outdoor warning system that are located throughout the approximate 10-mile Emergency Planning Zone (EPZ). See the map on page 8.

_Sirens are not a signal to evacuate._ They are a signal to turn on your radio or television and tune into an Emergency Alert System (EAS) station near you. (See “The Emergency Alert System (EAS)” on page 6 for a listing of EAS stations.)

_A steady tone for three minutes (that may be repeated) signals a nuclear plant emergency._

These sirens are maintained and routinely tested throughout the year by Millstone Power Station. Many communities also routinely test their sirens and use them as part of their own fire and disaster warning systems. In the event that a siren fails to activate, procedures call for “back-up route alerting.” Route alerting means that local first responders will go street by street, using emergency vehicles and public address loudspeakers to warn the public.

What Should You Do In a Nuclear Power Plant Emergency?

Stay calm, and remember that a nuclear power plant emergency would most likely take hours to develop into a situation that could affect public health and safety. You will be kept informed by local and State officials throughout the emergency.

You may be instructed to:

- MONITOR AND PREPARE to follow instructions from public officials.
- Ingest your potassium iodide (KI) tablets.
- Stay indoors and take shelter.
- Evacuate to a reception center (see page 11).

Other things you should do in any emergency:

Monitor the news and social media for updates and guidance.

Check with your neighbors to make sure they are aware of the emergency.

Do not use the telephone unless it is absolutely necessary. Telephone lines are needed by local officials to respond to the emergency. (Consider a short text message instead of a call.)

Please do not call local authorities unless you need special assistance.
The Emergency Alert System (EAS)
The EAS allows local and State officials to interrupt radio and television programming with emergency information and instructions. In the event of an emergency, you should tune in to your local EAS radio or TV station.

Primary EAS Radio Stations
WTIC – 1080 AM & 96.5 FM (Hartford)
WDRC – 1360 AM & 102.9 FM (Hartford)
WCTY – 97.7 FM (Norwich)

Other EAS Radio Stations
WXLM–980 AM WMRD–1150 AM WICH–1310 AM
WLIS–1420 AM WNPR– 89.1 FM WPXT–90.5 FM
WNLC–98.7 FM WKNL–100.9 FM WMOS–102.3 FM
WIHS–104.9 FM WQGN–105.5 FM WBMW–106.5 FM
WWRX–107.7 FM

EAS TV Stations
WFSB – Channel 3 WTNH – Channel 8 WHPX – Channel 26
WVIT – Channel 30 WTIC – Channel 61

Additional Sources of Emergency Information

CT Alert is used by local and state public safety officials to notify the public of emergencies. The system uses the 911 database of landline phone numbers to send an automated message. If you want the system to send alerts to other communication devices that you use, go to www.ct.gov/ctalert. You can add mobile phones, Voice Over Internet Protocol (VOIP) landlines, e-mail, and text messaging. Register today!

2-1-1 Infoline - During times of emergency or disaster the United Way of Connecticut's 2-1-1 informational service serves as the State information hotline. The hotline is accessed toll-free from anywhere in Connecticut by simply dialing 2-1-1. It operates 24 hours a day, 365 days a year. Multilingual call specialists and TDD access are available.

Individuals with Voice Over Internet Protocol (VOIP) services can access 2-1-1 by dialing 1-800-203-1234. Rotary phone users should dial 1-800-505-2000 for assistance.

Connecticut Network (CT-N) -
During times of emergency or disaster Connecticut Network (CT-N) will provide emergency public information directly from the State Emergency Operations Center.

Emergency information can be broadcast over CT-N 24 hours a day, seven days per week without interruption.

Most cable systems offer CT-N on their expanded basic lineups. To find out your community’s CT-N channel, go to: www.ctn.state.ct.us/ctn_tv.asp or call 860-246-1553.

Department of Emergency Services & Public Protection Division of Emergency Management & Homeland Security web and official social media links

http://www.ct.gov/demhs
http://www.facebook.com/CTEMHS
http://twitter.com/#!/ctdemhs
Shelter in place may be recommended during a nuclear power station event. Shelter in place means going indoors and remaining indoors until the emergency is over. Such action will reduce an individual’s exposure to radiation resulting from a radioactive release of short duration.

Use this checklist if you are directed to shelter in place:

- If driving, close windows/vents and turn off air conditioner or heater.
- Go home or to a public building.
- Keep family and pets indoors.
- Close all windows and doors.
- If possible, turn off all devices that draw outside air.
- Extinguish stove/fireplace fires and close flues when possible.
- Avoid using telephones, including cell phones, to prevent overloading the system and interfering with emergency use.
- Remain indoors until officially notified that the emergency is over.
- Do not evacuate unless told to do so.
- Continue to monitor your local Emergency Alert System (EAS) radio/TV station (see “The Emergency Alert System” on page 6).

If you must go outside, cover your mouth and nose with a moist cloth to help prevent breathing in radioactive particles. Move quickly and limit outdoor exposure time to as little as possible.

Food already in your home is safe to eat, although food grown locally may have to be tested by state monitors before it is consumed.

Children in schools will be cared for through the school’s emergency procedures. Become familiar with these procedures and follow them.
Evacuation

Use this checklist to prepare to evacuate if/when directed:

- Gather together those household members who are present.

- Pack the following items, as necessary:
  - Clothing, money, credit cards, checkbook
  - Prescription medicine or special medical equipment
  - Potassium Iodide (KI) tablets
  - Blankets, pillows, soap, towels, toiletries
  - Diapers, bottles, milk/baby formula, toys
  - Identification and important personal papers
  - Portable radio, flashlight, batteries

- Close and lock all windows and doors.

- Turn off devices that draw outside air.

- Turn off lights and electrical appliances (except refrigerator and freezer).

- Continue to listen to a local Emergency Alert System (EAS) radio station in your vehicle.

- Leave food and water for pets, or have alternate plans for their care. Reception Centers and some shelters may have provisions for your pets, but the best thing to do is plan ahead for their care. See page 14 for more information on planning for your pets.

- Check with your neighbors to see if they need a ride and carpool with them, if possible.

- Go to your assigned evacuation reception center (see page 11). Follow evacuation routes described in page 17 of this book or refer to pages 2-3 of your AT&T’s Yellow Pages or as directed by news advisories.

Evacuation Reception Centers

For Communities Located Within 10 Miles of Millstone Power Station

<table>
<thead>
<tr>
<th>Town</th>
<th>Host Community</th>
<th>Reception Center</th>
</tr>
</thead>
<tbody>
<tr>
<td>East Lyme</td>
<td>New Haven</td>
<td>Southern Connecticut State University Moore Field House, 125 Wintergreen Ave. New Haven, CT 06515</td>
</tr>
<tr>
<td>Groton City &amp; Groton Town</td>
<td>Norwich</td>
<td>Norwich Technical High School 7 Mahan Drive Norwich, CT 06360</td>
</tr>
<tr>
<td>Ledyard</td>
<td>UCONN/Storrs</td>
<td>UCONN Field House 2111 Hillside Road Storrs, CT 06269</td>
</tr>
<tr>
<td>Lyme &amp; Old Lyme</td>
<td>New Haven</td>
<td>Southern Connecticut State University Moore Field House, 125 Wintergreen Ave. New Haven, CT 06515</td>
</tr>
<tr>
<td>Montville</td>
<td>East Hartford</td>
<td>East Hartford High School 869 Forbes Street East Hartford, CT 06118</td>
</tr>
<tr>
<td>New London</td>
<td>Windham</td>
<td>Windham High School 355 High Street Willimantic, CT 06226</td>
</tr>
<tr>
<td>Waterford</td>
<td>East Hartford</td>
<td>East Hartford High School 869 Forbes Street East Hartford, CT 06118</td>
</tr>
<tr>
<td>Fishers Island, NY</td>
<td>Windham</td>
<td>Windham High School 355 High Street Willimantic, CT 06226</td>
</tr>
</tbody>
</table>

Only a portion of Ledyard, Lyme and Montville are located in the 10-mile emergency planning zone. The areas within the EPZ are:

1. Ledyard EPZ – All areas south of Hurlbutt Road, Whalehead Road and Sandy Hollow Road to Route 117.
2. Lyme EPZ – All areas east of Route 156 and south of Beaver Brook Road.
3. Montville EPZ – All areas south of Grassy Hill Road, Chesterfield Road, Route 163 and Depot Road to Waterford and East Lyme town lines including those areas between Glendale Road and Chapel Hill Road in Oakdale Heights.
Why Go To A Reception Center?

Each community in the Millstone Emergency Planning Zone (EPZ) has been assigned a Reception Center that is at least 15 miles from the nuclear plant site (see page 11).

Reception Centers are staffed with first responders and other individuals trained and prepared to provide evacuees with the following services:
- registration and family reunification
- radiological monitoring and decontamination for people, pets and vehicles.
- functional needs support and crisis counseling
- basic emergency medical services
- potassium iodide (KI) tablets
- American Red Cross services (connection to shelters)

A map of evacuation routes to reception centers is found on page 17 of this guide, in the local Yellow pages, online at www.ct.gov/demhs and will be provided to the media in the case of an emergency.

What If You Have Functional Needs?

If you have functional needs, such as vision or hearing impairments, and would need assistance sheltering in place or evacuating, you should register annually with your community’s emergency management office. Each year, a registration form is mailed to each postal customer within the 10-mile emergency planning zone around Millstone Station. When completed and mailed back, this information is given to your community’s emergency management office. The information is confidential and is not shared beyond public safety officials. It is important to keep this information updated, so please fill it out every year.

What If Your Children Are In School Or Child Care?

Each school and licensed child care facility within the 10 mile emergency planning zone around Millstone Station is required to have plans in place to provide for the safety of the children in their care. These plans are developed in conjunction with local emergency management officials and are reviewed by state and federal officials.

Depending on the circumstances of the emergency, schools may enact their early dismissal procedures, shelter in place, or conduct precautionary transfers to another school or a reception center. Each school year, parents and children should become familiar with the school’s emergency plans and procedures.

If your child has special needs, make sure they have a go-kit with them at all times with medications, or other things they may need in an emergency.

Before an emergency occurs become familiar with your school or child care provider’s emergency plans. Make sure you provide them with your up-to-date emergency contact information and make a family plan.
What About Pets?

Long before an emergency occurs, individuals should consider what they would do with their pets should they need to evacuate. You should never hesitate to evacuate your home if directed because you have to leave your pets. Identify places that would accept pets in an emergency, such as boarding kennels, or with friends or family outside the affected area.

There are plans in place to have provisions for receiving pets at reception centers. Many local community shelters are now pet friendly in Connecticut.

Have a pet disaster/evacuation kit ready. The kit should include: food, water and medicine for three days, pet carrier, litter box and litter, ID tags attached to your pet, leashes. Also think about including medical and veterinary records, toys, blanket or bed, and current photos.

For more information on disaster preparedness for your pets or livestock, visit FEMA’s web site http://www.ready.gov/caring-animals, also see the Connecticut State Animal Response Team web site http://ctsart.org/who_we_help/

Information For The Agricultural Community

If you have livestock or agricultural products, please call 1-800-397-8876 for a copy of the brochure “Radiological Emergency Information for Connecticut’s Agricultural Community.”

How Will You Know The Emergency Has Ended?

Federal, state, local and Millstone Power Station officials will work closely together for the duration of the event. If radiation is released, state and Federal officials will use monitored radiation levels to determine when it is safe to return home. Public officials will inform you of this information.

Planning Beyond 10 Miles Of Millstone Power Station

If an accident were to occur at Millstone, the area within 50 miles of the station would be assessed to determine if there has been any impact on the environment. If there is any impact, the public in the affected area would be notified. If any actions are necessary, the public would be informed of the actions to be taken.

NOTE: A portion of Connecticut also falls within 50 miles of Indian Point Power Station in Buchanan, New York. The Connecticut Radiological Emergency Response Plan (RERP) has procedures in place for emergencies that extend beyond 10 miles for both Millstone and Indian Point. This includes assessing food and drinking water for contamination and determining the need for additional public protective actions.
Waterford to East Hartford:
Route 85 North to Route 82 West to Route 11 North to Route 2 West to Exit 5A (Main St.). Right at light onto Brewer St. to intersection with Forbes St. Left onto Forbes St. to East Hartford High School.
OR
Old Colchester Rd. to Route 354, to Route 2 West to Exit 5A (Main St.). Then same as above to East Hartford High School.
OR
I-395 North to Route 2 West to Exit 5A (Main St.) Then same as above to East Hartford High School.
OR
I-95 South to Route 9 North to I-91 North to Exit 25-26 (Route 3 North). Take Exit 25, cross over Putnam Bridge to Route 2 West to Exit 5A (Main St.). Then same as above to East Hartford High School.

Montville to East Hartford:
Old Colchester Rd. to Route 354, to Route 2 West to Exit 5A (Main St.). Left at light onto Brewer St. to intersection with Forbes St.. Left onto Forbes St. to East Hartford High School.
OR
Route 85 North to Route 82 West to Route 11 North to Route 2 West to Exit 5A (Main St.). Then same as above to East Hartford High School.
OR
I-395 North to Route 2 West to Exit 5A (Main St.) Then same as above to East Hartford High School.

New London to Windham:
Route 32 North to Frog Bridge, Route 66. Right, over Bridge, stay straight on Jackson St. to left on Valley St.. Turn right onto High St.. up hill to Windham High School.

Ledyard to Storrs:
Route 12 North to Route 2A West, to I-395 North, to Exit 89. Take Route 14 West to 203 North, to Route 14 West, to Route 195 North to UCONN Field House.

Groton City & Groton Town to Norwich:
Route 12 North to Route 2A West, to I-395 North, to Exit 81E (Route 2 East), to Route 169 North (Harland Rd.). Right on Ox Hill Rd., turn right before Mahan Dr. into Norwich Technical High School.
OR
Route 349 North (Clarence B. Sharp Hwy,) to I-95 North to Route 117 North, to Route 2 West, to Route 169 North (Harland Rd.). Then same as above to Norwich Technical High School.
OR
Route 184 East (Gold Star Hwy.) to Route 201 North, to Route 2 West to Route 169 North (Harland Rd.). Then same as above to Norwich Technical High School.

East Lyme, Lyme, & Old Lyme to New Haven:
I-95 South to Exit 45, to Route 10 North, to Southern Connecticut State University Field House.

Montville EPZ
All areas south of Grassy Hill Rd., Chesterfield Rd., Route 163 and Depot Rd. to the Waterford and East Lyme town lines including those areas between Glendale Rd. and Chapel Hill Rd. in Oakdale Heights.

Lyme EPZ
All areas east of Route 156 and south of Beaver Brook Rd.

Ledyard EPZ
All areas south of Hurlbut Rd., Whalehead Rd., and Sandy Hollow Rd. to Route 117.
### What Is KI?

Potassium Iodide, also known as KI, is an over-the-counter salt tablet that can protect your thyroid gland when there is a chance you might be exposed to a harmful amount of radioactive iodine. Taking KI saturates the thyroid with harmless iodine and prevents radioactive iodine from being absorbed. Radioactive iodine can harm your thyroid gland and can increase your risk of developing thyroid cancer years after exposure.

Not every radiation emergency will result in the release of radioactive iodine. KI is a supplement to the primary protective actions of evacuation and/or sheltering and should only be taken upon direction of state health officials. KI does NOT protect against other radioactive materials that might be released during a nuclear power station emergency.

For most individuals, taking KI is safe; however, adverse reactions are possible in persons having existing thyroid conditions and those with an allergy to iodine. Consult your physician if you have concerns about the safety of KI for you and your family.

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#### People who live and work within a ten-mile area around Millstone Power Station can obtain KI at any time (except during emergencies) at the following locations:

<table>
<thead>
<tr>
<th>Location</th>
<th>Address</th>
<th>Contact Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>East Lyme</strong></td>
<td>East Lyme Town Hall 108 Pennsylvania Ave.</td>
<td>(860) 739-6931 Ext. 110</td>
</tr>
<tr>
<td></td>
<td>Groton Municipal Building City Clerk's Office</td>
<td>(860) 446-4102</td>
</tr>
<tr>
<td></td>
<td>Town Clerk's Office 295 Meridian St.</td>
<td></td>
</tr>
<tr>
<td><strong>Groton City</strong></td>
<td>Town Clerk's Office 45 Fort Hill Rd.</td>
<td>(860) 445-2000</td>
</tr>
<tr>
<td></td>
<td>Groton Town PD, 68 Groton Long Point Rd.</td>
<td></td>
</tr>
<tr>
<td><strong>Groton Town</strong></td>
<td>Town Clerk's Office 45 Fort Hill Rd.</td>
<td>(860) 464-8464</td>
</tr>
<tr>
<td></td>
<td>Groton Town PD, 68 Groton Long Point Rd.</td>
<td></td>
</tr>
<tr>
<td><strong>Ledyard</strong></td>
<td>Ledyard Regional VNA 741 Colonel Ledyard Hwy.</td>
<td>(860) 464-0471 or (860) 464-0478</td>
</tr>
<tr>
<td></td>
<td>Ledyard Senior Center 12 Van Tassell Dr.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Gales Ferry)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ledyard Police Dept. 11 Lorenz Parkway</td>
<td>(860) 464-9416</td>
</tr>
<tr>
<td><strong>Lyme</strong></td>
<td>Town Clerk's Office 480 Hamburg Road (Route 156)</td>
<td>(860) 434-7733</td>
</tr>
<tr>
<td><strong>Montville</strong></td>
<td>Office of the Fire Marshal and Emergency</td>
<td>(860) 848-1417</td>
</tr>
<tr>
<td><strong>New London</strong></td>
<td>Fire Headquarters 289 Bank St.</td>
<td>(860) 447-6671 or (860) 447-5291</td>
</tr>
<tr>
<td></td>
<td>North Station Fire Dept. 240 Broad St.</td>
<td>(860) 437-6340</td>
</tr>
<tr>
<td></td>
<td>South Station Fire Dept. 25 Lower Blvd.</td>
<td>(860) 437-6341</td>
</tr>
<tr>
<td><strong>Old Lyme</strong></td>
<td>Town Hall 52 Lyme Street</td>
<td>(860) 434-1605 Ext. 212</td>
</tr>
<tr>
<td><strong>Waterford</strong></td>
<td>Waterford Police Dept. 41 Avery Lane</td>
<td>(860) 442-9451</td>
</tr>
<tr>
<td></td>
<td>Town Hall 15 Rope Ferry Rd</td>
<td>(860) 442-0553</td>
</tr>
</tbody>
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Please note: During an emergency, KI will only be available at your designated reception center (see page 12).
What Is Radiation?

Radiation is energy emitted in tiny waves or particles. You can’t see radiation. You can’t hear or taste radiation. For these reasons people sometimes think radiation is mysterious or frightening. However, you probably know more about radiation than you realize. Heat, light and radio waves are a kind of radiation. Rocks, trees, and even people have some radioactive atoms.

Radiation sometimes produces charged particles in material it strikes. Charged particles are known as ions. Ionizing radiation can produce charged particles in all matter. The most common types of ionizing radiation are alpha, beta and gamma.

• **Alpha Radiation** is the least penetrating type. It can be stopped with a sheet of paper.

• **Beta Radiation** is emitted from the nucleus of an atom during fission. Beta radiation consists of electrons that can be stopped by thin cardboard.

• **Gamma Radiation** is electro-magnetic waves emitted from the nucleus of an atom and is essentially the same as an X-ray. It can be stopped by heavy shielding such as concrete or lead.

The harm that can come from radiation depends on several things, some of which you can control.
Radiation risk depends on:

- The kind of rays and particles that strike you.
- The length of time you are exposed.
- The parts of your body exposed.
- The amount of radioactive material that enters your body through eating or breathing.
- Age – radiation does more harm to young children because the cells in their bodies are growing much faster than the cells of older children and adults.

**Radiation Protection**

Although you cannot see or smell radiation, it can be detected, accurately and easily, with the aid of instruments designed for that purpose. Trained technicians using these instruments monitor radiation in and around the nuclear power station. Should a nuclear incident occur, this monitoring will be increased to obtain accurate information for all areas that might be affected. State officials will evaluate this information and advise what actions should be taken.

**Where Does Radiation Come From?**

**Characteristics of Natural Radioactivity**

- The earth’s crust and soil contains small amounts of naturally occurring radioactive materials which decay into other radioactive atoms such as radon.
- The radon moves through soil, where it is generated, and then moves into the air.
- Radon is a natural part of the earth’s atmosphere.
- The amount of radon in the earth’s crust and soil varies with geographic location and soil type.

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**Effective Dose Equivalent to Persons in the U.S. from Various Radiation Sources**

- **Man-Made**
  - Medical
    - Diagnostic X-Rays ................................................................. 33.0
    - Other Medical ................................................................. 267.0
  - Consumer Products ................................................................. 13.0
  - Occupational ........................................................................ 0.5
    - Nuclear Power ................................................................. 0.1
    - Miscellaneous ...................................................................... 0.3

  Millirem (MREM) Per Year Total 314.0

- **Natural Background**
  - Radon and Radon Daughters ........................................ 228.0
  - Cosmic Rays ........................................................................ 33.0
  - Terrestrial Radiation ................................................................. 21.0
  - Internal Radiation ................................................................. 29.0

  MREM Per Year Total 311.0

  Total man-made and natural sources MREM Per Year 625.0

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Millstone Power Station has comprehensive safety, construction, maintenance and inspection programs to prevent emergencies from occurring.

As with the reactor coolant system, the backup safety systems are frequently tested, inspected and maintained to prevent failure. However, if they fail, backup barriers in the plant would prevent, or at least significantly postpone, the release of radioactivity to the environment.

Millstone is designed with three primary physical barriers:

- Fuel rod cladding
- Reactor vessel and coolant system
- Containment structure

The first barrier is the fuel rods that contain the uranium fuel pellets. The fuel rods are metal cylinders, known as cladding, and are made of a high-quality metal alloy with an extremely high melting point. Under normal conditions, the cladding keeps almost all of the radioactivity produced within the fuel pellets.

The reactor coolant system acts as a second barrier. The system includes the reactor vessel, made of high quality steel that is 3 to 9 inches thick, as well as all piping and equipment through which the reactor coolant travels.

If both of these barriers fail, a containment structure surrounds the entire reactor coolant system. This building is made of a 1/4 inch steel liner surrounded by reinforced concrete that is 2.5 to 4.5 feet thick. The containment is designed to withstand the internal forces that could be generated by a severe emergency. It is also built to withstand external forces such as those caused by a tornado, a hurricane, an earthquake, or even the impact of a commercial jet.

Additional safety features include a quality assurance program, trained licensed operators, monitoring systems, redundant safety systems, Federal and industry inspections, and an on-site and off-site emergency response program.
Supplemental Information

Who Could Be Affected In A Nuclear Emergency?
It is very unlikely that everyone in Millstone’s Emergency Planning Zone would be affected in a nuclear emergency. The precautions to take would depend on where you live, the amount of radioactivity being released from the plant, and wind speed and direction.

For example, if a relatively large amount of radioactive material were released into a slow wind, people located immediately downwind from the plant might be directed to evacuate, if road and weather conditions permit. On the other hand, rapidly shifting winds could quickly disperse radioactive material that would affect a larger area, but in less concentrated amounts.

People located in this larger area might be directed to take shelter. State authorities would consider levels of radiation exposure, wind patterns, and overall weather conditions when directing the public whether to take shelter or evacuate. Many lower types of nuclear incidents would not require the public to take any actions.

Farmers, livestock owners, food processors and fruit and vegetable growers would be provided with appropriate emergency instructions as necessary. The booklet entitled “Radiological Emergency Information for Connecticut’s Agricultural Community” has been distributed to individual Connecticut agricultural suppliers within a 50-mile radius of Millstone.

Nuclear Emergency Classifications
The U.S. Nuclear Regulatory Commission (NRC) is the Federal agency responsible for the regulation and inspection of nuclear power stations to ensure safety. The NRC classifies nuclear power plant emergencies into four categories of increasing severity based on plant conditions. Millstone Power Station operators are responsible for classifying an event and notifying state and local authorities within 15 minutes. State and local governments decide on public protective actions and notify the public to initiate these actions.

Notification of Unusual Event
This category is the lowest classification level and is used for a minor event where something out of the ordinary has occurred. There is no danger to the public. No radioactive release of any significance is expected and no protective actions are required. Emergency personnel are not required to respond.

Alert
This category is the next classification level and is used for an event which may involve a small radioactive release or the potential for a release. Emergency personnel are alerted to be ready to respond if the situation becomes more serious.

State and local emergency operation centers may be activated at this level and the State Emergency Alert System (EAS) is placed on standby. There is no danger to the public and no protective actions are required.

Site Area Emergency
This category is the second highest classification level and is used for an emergency involving an actual or potential failure of plant safety systems. A moderate radioactive release out to the site boundary is possible.

State and local emergency operations centers will be activated and the sirens within the approximately 10-Mile Emergency Planning Zone will be sounded as a warning to tune in to an Emergency Alert System (EAS) radio or television station for information.

Public protective actions are not required unless emergency officials determine that the emergency could become more serious.

General Emergency
This category is the highest classification level and is used for a serious emergency involving the failure of plant safety systems, the possibility of reactor core damage or a loss of the integrity of the containment structure. A large radioactive release is possible.
It is important to know that an incident at a nuclear power plant could change over a period of hours or days. Plant operators and government officials would be in constant communication with each other. Changes to classification levels are dependent on changes to the situation. The public would be informed of any changes in the incident.

In Conclusion

The State of Connecticut and Millstone Power Station’s first priority is the health and safety of all Connecticut residents and visitors. The state and local governments and Millstone are committed to providing communities surrounding the nuclear facility with the most accurate, timely, and detailed information possible concerning plant safety and emergency preparedness.

The emergency plans for nuclear plants are tested and evaluated every year by the NRC for on-site actions, and every other year by the Federal Emergency Management Agency (FEMA) for off-site actions. Both the NRC and FEMA have approved the emergency plans. Extensive testing of emergency plans and upgrades to emergency preparedness based on lessons learned from drills and exercises helps maintain a continual state of readiness. This demonstrates coordination among federal, state, and local officials, and Millstone Power Station to ensure an integrated and effective response to any emergency.

Additional Information

For additional information on local emergency preparedness, contact your community emergency management officials:

<table>
<thead>
<tr>
<th>Community</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>East Lyme</td>
<td>(860) 739-4434</td>
</tr>
<tr>
<td>Montville</td>
<td>(860) 848-1417</td>
</tr>
<tr>
<td>Groton City</td>
<td>(860) 445-2451</td>
</tr>
<tr>
<td>New London</td>
<td>(860) 447-5269</td>
</tr>
<tr>
<td>Groton Town</td>
<td>(860) 445-2000</td>
</tr>
<tr>
<td>Old Lyme</td>
<td>(860) 434-1605, X212</td>
</tr>
<tr>
<td>Ledyard</td>
<td>860-464-8464</td>
</tr>
<tr>
<td>Waterford</td>
<td>(860) 442-9585</td>
</tr>
<tr>
<td>Lyme</td>
<td>(860) 434-7733</td>
</tr>
<tr>
<td>Fishers Island, NY</td>
<td>(631) 765-2600</td>
</tr>
</tbody>
</table>

Emergency information is on pages 1 through 3 of the Fishers Island phone book and pages 2 and 3 of the following Yellow Pages directories:

- **AT&T Telephone Southeastern Directory** – Serving East Lyme, Groton, Ledyard, Montville, Mystic, New London, Niantic and Waterford
- **AT&T Telephone Shoreline Directory** – Serving Lyme and Old Lyme
- **AT&T Telephone Mystic Directory** – Serving Groton, Ledyard, Mystic, Stonington and North Stonington

For extra copies of this guidebook or for further information please contact:

**Department of Emergency Services & Public Protection**
**Division of Emergency Management & Homeland Security**
**Radiological Emergency Preparedness Unit**
**25 Sigourney Street, 6th Floor, Hartford, CT 06106**
**860-256-0800 or 1-800-397-8876**
If you have access to a computer, the following web sites provide more information on emergency planning and preparedness information for individuals, families, and businesses:

Ready
www.ready.gov

American Red Cross
www.redcross.org

Federal Emergency Management Agency
www.fema.gov

The Humane Society of The United States
www.hsus.org

CT Department of Energy and Environmental Protection
www.ct.gov/deep

CT Department of Emergency Services and Public Protection
www.ct.gov/despp

CT Division of Emergency Management and Homeland Security
www.ct.gov/demhs

CT Department of Public Health
www.ct.gov/dph

Dominion Resources
www.dom.com

Nuclear Regulatory Commission
www.nrc.gov

Nuclear Energy Institute
www.nei.org