Emergency Planning for the Peach Bottom Area

Important Safety Information For Your Community and Annual Special Needs Survey 2017/2018

Please read the entire brochure or have someone translate it for you. Discuss this information with members of your family, and then keep the brochure in a convenient place for future use.

ESTA INFORMACIÓN ES IMPORTANTE
Por favor lea este panfleto o busque a alguien que se lo lea. Comparta esta información con su familia y mantenga este panfleto en un lugar conveniente para un uso futuro.
What to Do in an Emergency

Monitor and Prepare
Tune your radio or TV to one of the stations listed in this brochure. Monitor the radio and TV for emergency information and follow emergency instructions. People should prepare for possible evacuation (e.g.; reunite with family members, assemble emergency kits, provide for pet needs, keep off of the road as much as possible).

Keep Phone Lines Open
*Please do not make unnecessary phone calls.* Leaving phone lines open for emergency workers will help everyone involved. If you require assistance, call the emergency phone numbers broadcast on the radio.

Shelter-in-Place
Go indoors and stay there. Close all doors and windows and shut off any systems that draw in outside air, such as furnaces, fireplaces and air conditioners. Keep listening to the radio for updates. Keep pets inside and shelter farm animals. If traveling in a vehicle, close windows and vents.

If Instructed to Evacuate
In an evacuation, people in the affected area will be asked to go to local reception centers listed within this brochure. After this, they can stay at specified mass care centers or with friends or relatives outside the evacuation zone.

*Please do not try to pick up children or others at schools, hospitals, nursing homes or overnight campgrounds.* These facilities will be following their own special emergency plans, and you would most likely miss connections. If evacuated, students, hospital patients and nursing home residents will be accompanied to relocation centers where their needs will be addressed. To find out where people are being moved, stay tuned to the radio.

Plan for three days away from home, locking up and turning appliances off as you would for a weekend vacation. Pack all necessary items (see “Emergency Supplies”). Evacuate everyone in your home, following directions given on the radio. These routes will have been selected as the safest ways out of the affected area.

Shadow Evacuation
Persons should only evacuate when instructed to do so. Evacuation of individuals not within the declared evacuation area could impede evacuation traffic flow. Monitor the radio and prepare to follow instructions.

Staged Evacuation
You may be instructed to shelter-in-place until people in a higher risk area are evacuated. Monitor the radio and prepare to follow instructions.

Information for Farmers
When advised to do so, remove all livestock from pasture, shelter if possible, and provide them with stored feed and protected water. The county U.S. Department of Agriculture representative will provide further instructions regarding the protection of livestock and foodstuffs.

School Information
If your child’s school is in session at the time evacuation is recommended, children attending schools located within the emergency planning zone will be transported to designated host schools outside the area. They will remain under supervision until picked up by parents or guardians. These host schools have been planned to coincide with main evacuation routes. Children whose
homes are inside the emergency planning zone, but who attend school outside the emergency planning zone, will not be sent home if an evacuation is recommended. They will remain at the school under supervision until picked up by parents or guardians. See the “County-specific School Information” within this brochure or contact school officials for more information.

Non-Public School and Day Care Information
Parents and guardians with children attending non-public schools or at day care facilities within the emergency planning zone should become familiar with the facilities’ emergency plans. Contact the facility operator for more information.

How to Prepare for an Emergency
You never know when you might have to leave your home on short notice. A nuclear incident is only one possibility. Floods, fires, chemical spills or severe illness could occur at any time. Preparing now will help you respond more quickly in any emergency.

Emergency Kit
Keep an emergency kit – portable radio, flashlight, extra batteries, extra car keys, first aid kit and other items – in a special place that the whole family can easily locate. Include this booklet in your emergency kit with your location marked on the map. Write a list of the items you would want to take if you had to leave home quickly and post the list in a convenient spot. Be sure to keep a supply of all the items on your list. Gather any important documents that you might need in an emergency and keep them together in a safe place that you can access quickly and easily.

Transportation
Maintain your vehicle in good running order and keep the gas tank at least half full at all times. If you will need transportation in an emergency, use the attached reply card to notify local authorities now.

Pets
Only service animals will be permitted inside reception centers or shelters. Pet sheltering information will be available at the reception centers and shelters for your area.
Contact your respective County Emergency Management Agency for additional information.

Emergency Supplies
- General first aid kit and any special medication
- Cash, credit, or ATM cards
- Important documents
- Change of clothing
- Personal health products (toothbrush, eye care, sanitary products, etc.)
- Baby formula, diapers, car seat, toys
- Special dietary foods
- Pet related supplies
Emergency Alert System

The Emergency Alert System will provide you with official information in cases of tornadoes, floods, nuclear plant accidents or other emergencies. Turn on your radio or TV for official information and instructions.

Emergency Alert Stations

**Lancaster County**

**AM**
WPDC 1600
WLPA 1490
WLAN 1390

**FM**
WZCY 106.7
WIOV 105.1
WDAC 94.5
WFNM 89.1
WROZ 101.3*
WLAN 96.9
WIXQ 91.7
WJTL 90.3
WLCH 91.3

**TV**
WGAL CH 8

**York County**

**AM**
WHVR 1280
WYYC 1250
WSBA 910*
WOYK 1350
WGET 1320
WGLD 1440

**FM**
WZCY 106.7
WIOV 105.1
WDAC 94.5
WFNM 89.1
WROZ 101.3*
WLAN 96.9
WIXQ 91.7

**Chester County**

**FM**
WHYY 90.9*
WMGK 102.9*

**Cecil County**

**AM**
WJSS 1330
WBAL 1090

**FM**
WXCY 103.7*
WOEL 89.9

**Harford County**

**AM**
WBAL 1090

**FM**
WXCY 103.7*
WHFC 91.1

**TV**
COMCAST CH 21
ARMSTRONG CH 7

* Designated Emergency Alert System Control Station
People With Special Needs

The information gathered by this survey is CONFIDENTIAL. Your county emergency management agency (EMA) and emergency services personnel utilize this information for emergency response planning.

Those with impaired sight, hearing or mobility might have difficulty responding to an emergency.

If you, someone in your household or someone you know who lives in the emergency planning zone will need special assistance in an emergency, please notify your county EMA today. Simply fill out and mail the attached reply card. It is postage-paid, so you don’t even need a stamp.

This information is updated annually. Please return this survey even if you have previously responded. If you prefer, you may contact your local EMA directly. Area agencies are listed elsewhere in this pamphlet.

Local officials may contact you for additional information.

Please check “yes” or “no” for the following questions:

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<thead>
<tr>
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<tbody>
<tr>
<td><strong>1</strong></td>
<td>Do you have a hearing impairment that would make it difficult to hear outdoor warning sirens or other emergency notifications?</td>
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<tr>
<td></td>
<td>☐ Yes ☐ No</td>
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<tr>
<td><strong>2</strong></td>
<td>Do you have a medical or physical condition that would make it difficult to evacuate in an emergency?</td>
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<td></td>
<td>☐ Yes ☐ No</td>
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<td><strong>3</strong></td>
<td>Are you without any personal means of transportation, such as a car or truck, to evacuate in an emergency?</td>
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<td></td>
<td>☐ Yes ☐ No</td>
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<td>Number of people needing transportation?</td>
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<td><strong>4</strong></td>
<td>Do you have a radio or television?</td>
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<tr>
<td></td>
<td>☐ Yes ☐ No</td>
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</tbody>
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Name

Address

City

Township

County State and ZIP

Email Address

Telephone Number

2017/2018
Nuclear Power and Public Safety

Benefits and Potential Risks of Nuclear Power

Used properly, nuclear fission (the “splitting” of uranium atoms) is a safe, dependable source of electricity. It is reasonable, though, to be concerned about what might happen in the event of a serious incident at a power plant.

A power plant reactor cannot produce a nuclear explosion. The uranium fuel contains very little fissionable material. As for radiation, the complex structure of a nuclear power plant is designed to prevent the release of radiation. A serious incident, however, could allow some radiation to escape and be carried away from the plant by the wind. The degree of risk to the public would depend on the size of the plume, the direction and speed of the wind, and other factors.

Emergency Planning for the Limerick Area

Special plans have already been developed to protect the public in the event of a nuclear incident in your area. These plans give specific attention to people who – like you – live, work or visit within 10 miles of a nuclear power plant. Procedures are in place to help protect you and other members of the public in the unlikely event of a nuclear emergency. If necessary, area officials would declare an emergency and take measures to ensure public safety.

This pamphlet addresses procedures for the Peach Bottom area. Please read and keep this material for future reference. Although it specifically addresses a potential nuclear accident, much of the information is useful in any major emergency.

Warning Sirens

If you hear a siren, you should tune to one of the Emergency Alert System (EAS) stations listed in this brochure for official information.

The sirens are full volume tested semi-annually in June and December. A monthly test is also conducted which operates the sirens for less than one minute.

A siren may malfunction and inadvertently sound. If you feel a siren is malfunctioning, please contact your county emergency management officials at the numbers below:
- Chester County: (610) 344-5000/(800) 732-1580
- Lancaster County: (800) 808-5236
- York County: (717) 840-2971
- Cecil County: (410) 392-2006
- Harford County: (410) 638-3400

Public Inquiry Telephone Numbers

Chester County: (610) 344-6480
Chester County TTY/TTD: (610) 344-4785
Lancaster County: (717) 664-1221 (During emergencies)
York County: (717) 840-2380 (During emergencies)
Cecil County: (410) 392-2017
Harford County: (410) 838-5800 (During emergencies)

Shelter-in-Place or Evacuation

Officials might recommend that people either take shelter indoors or evacuate an area. It is critically important that you follow the recommended course of action. Staying home when instructed to evacuate or driving around when urged to stay indoors could expose you to danger unnecessarily.
NOTE: If you or someone you know might not respond to warning sirens or radio broadcasts due to impaired hearing or other factors, please use the attached reply card to notify local authorities now.

**Potassium Iodide (KI)**

Potassium Iodide (KI) is a nonprescription drug that may prevent the thyroid from absorbing radioactive iodine. KI is one type of protective action that may be recommended during a nuclear incident. KI should only be taken at the direction of the appropriate state and local authorities. Consult your physician if you have concerns about the safety of KI for your child or yourself. KI is effective in blocking the absorption of radioactive iodine only. Since it does not block the absorption of any other radioactive material, evacuation or sheltering in place may be the most effective and preferred protective actions. Residents living within the 10-mile radius, who have not already done so, may obtain more information about KI or obtain KI by contacting:

- Harford County Health Department at (410) 838-1500.
- Cecil County Health Department at (410) 996-5113.
- Pennsylvania Department of Health at 1-877-PA-HEALTH or www.health.state.pa.us

**Classification of Accidents**

There are four accident classifications used to describe nuclear emergencies. We contact federal, state and local authorities in each of the following situations:

- **Unusual Events** — Events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant or indicate a security threat to facility protection. No releases of radioactive material requiring off-site response or monitoring are expected unless further degradation of safety system occurs.

- **Alert** — Events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant or a security event that involves probable life threatening risk to site personnel or damage to site equipment because of intentional malicious dedicated efforts of a hostile act. Any releases are expected to be limited to small fractions of the Environmental Protection Agency (EPA) Protective Action Guideline exposure levels.

- **Site Area Emergency** — Events are in progress or have occurred which involve actual or likely major failures of plant functions needed for protection of the public or security events that result in intentional damage or malicious acts: (1) toward site personnel or equipment that could lead to the likely failure of or; (2) prevents effective access to equipment needed for the protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels beyond the site boundary.

- **General Emergency** — Events are in progress or have occurred which involve actual or imminent substantial core degradation or melting with potential for loss of containment integrity or security events that result in an actual loss of physical control of the facility. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels off-site for more than the immediate site area.
What You Need to Know About Nuclear Power Plants and Radiation

How Do Nuclear Plants Work?
Power plants create electricity by running steam turbines, which are powered either by fossil fuels – coal, oil, natural gas – or by nuclear power. Nuclear technology produces energy by splitting uranium atoms in a process called fission. **(A)** Fission generates heat that **(B)** boils water for the steam that runs the **(C)** turbines, which produce the **(D)** electricity that we all use – making, for instance, **(E)** toast for breakfast.

In a nuclear power plant, pea-sized uranium pellets are stacked inside long, thin fuel rods, which are grouped in “assemblies” inside a reactor “core.” The core is encased in a very thick steel capsule, and the entire reactor is further protected by an airtight steel and concrete building called a “containment.” This complex structure is designed to help ensure the safe utilization of nuclear power.

How Do We All Benefit From Nuclear Power?
Any fuel used to produce energy also produces waste. By-products of coal-burning include smoke, ashes and slag. Even with the latest technologies, it is impossible to prevent some of this waste from reaching the environment outside the power plant. Nuclear power generation, on the other hand, produces waste primarily in the form of spent fuel, which is not released into the environment. Besides helping to protect the environment, nuclear energy is also highly efficient, producing vastly more energy for its weight than coal or oil. We would have to burn more than 120 gallons of oil or up to a ton of coal to produce the same amount of energy as that found in a single pellet of uranium.

What Is Radiation?
Radiation is energy in the form of rays or particles. Some atoms – the ones we call radioactive – are unstable. As they go through a natural process called “decay” in which they change into a stable atom, they throw off rays or particles called radiation. Radiation is exactly the same, whether from nature, or medical or industrial activities.

Radiation is measured in millirems. On average, a person receives about 300 millirem of radiation annually from natural sources and another 300 millirem or so from X-rays and other medical procedures. It takes more than 35 times this much — over 20,000 millirem in a single day — to produce identifiable effects in the body. Federal regulations allow workers to receive up to 5,000 millirem of radiation in the course of a year’s work.

For More Information, Please Visit:
www.dep.pa.gov/business/radiationprotection
www.nrc.gov
www.nei.org
www.hps.org/publicinformation/Radterms
www.emergency.cdc.gov/radiation
Know your location on the map and mark it. Some primary evacuation routes and all pick-up points are listed below. In an emergency, follow the directions given on the radio, even if different from those shown below. Broadcasted directions will be based on actual road and weather conditions and wind direction – helping to ensure your safety as you leave the evacuation area. Report to the identified reception center if you need a temporary place to stay. At the center, you will be given directions to a mass care center nearby. For those who require transportation assistance, call the transportation assistance numbers listed below for your area.
Evacuation Routes/Reception Centers
Transportation Assistance Numbers

Chester County
West Nottingham Township
Evacuation Route: Local routes to Route 1 North to Route 10 North to Route 41 North to Highland Road. Turn right. The reception center, Octorara Middle School, is located on the right.
Reception Center: Octorara Middle School.
Transportation Assistance Number: (610) 932-4072

Chester County-Specific School Information
School District: Oxford Area School District
Risk School: All students living in the Emergency Planning Zone (EPZ).
Host School: Retained at school of attendance until 6 p.m. After 6 p.m., students will be relocated to the Oxford Area High School Gym.

East Drumore Township
Evacuation Route: Take Route 222 North to Penn Grant Road West to Wynnwood Drive North to the reception center.
Reception Center: Willow Street Career and Technology Center on Willow Street.
Transportation Assistance Number: (717) 786-3622

Fulton Township
Evacuation Route: Take local routes to Route 272 North to Penn Grant Road East to Edgemont Drive North to the reception center.
Reception Center: Willow Street Career and Technology Center on Willow Street.
Transportation Assistance Number: (717) 548-3514

Little Britain Township
Evacuation Route: Take Route 222 North to Penn Grant Road West to Wynnwood Drive North to the reception center.
Reception Center: Willow Street Career and Technology Center on Willow Street.
Transportation Assistance Number: (717) 786-2404

East Drumore Township
Evacuation Route: Take Route 222 North to Penn Grant Road West to Wynnwood Drive North to the reception center.
Reception Center: Willow Street Career and Technology Center on Willow Street.
Transportation Assistance Number: (717) 786-3622

Providence Township
Evacuation Route: Take local routes to Route 272 North to Penn Grant Road East to Edgemont Drive North to the reception center.
Reception Center: Willow Street Career and Technology Center on Willow Street.
Transportation Assistance Number: (717) 786-7981

Quarryville Borough
Evacuation Route: Take Route 222 North to Penn Grant Road West to Wynnwood Drive North to the reception center.
Reception Center: Willow Street Career and Technology Center on Willow Street.
Transportation Assistance Number: (717) 786-2404

Lancaster County-Specific School Information
School District: Penn Manor School District
Risk School: Martic Elementary School
Host School: Marticville Middle School

School District: Solanco School District
Risk Schools: Solanco Senior High School
Swift Middle School
Smith Middle School
Clermont Elementary School
Quarryville Elementary School
Host School: Lampeter-Strasburg Campus

Lancaster County
Drumore Township
Evacuation Route: Take local routes to Route 272 North to Penn Grant Road East to Edgemont Drive North to the reception center.
Reception Center: Willow Street Career and Technology Center on Willow Street.
Transportation Assistance Number: (717) 548-2660

Martic Township
Evacuation Route: Take local routes to Route 324 North to Penn Grant Road East to Edgemont Drive North to the reception center.
Reception Center: Willow Street Career and Technology Center on Willow Street.
Transportation Assistance Number: (717) 284-2167
Evacuation Routes/Reception Centers
Transportation Assistance Numbers

York County

Delta Borough
Evacuation Route: Take Main Street to Maryland Route 136 West to MD Route 624 North to PA Route 851 West to PA Route 616 North to Fissel’s Church Road to the reception center.
Reception Center: Susquehannock High School South of Glen Rock.
Transportation Assistance Number: (717) 456-7280 (Emergency only)

Fawn Grove Borough
Evacuation Route: Take Route 851 West to Route 616 North to Fissel’s Church Road to the reception center.
Reception Center: Susquehannock High School South of Glen Rock.
Transportation Assistance Number: (717) 382-4834 (Emergency only)

Fawn Township
Evacuation Route: Take local routes to Route 851 West to Route 616 North to Fissel’s Church Road to the reception center.
Reception Center: Susquehannock High School South of Glen Rock.
Transportation Assistance Number: (717) 382-4834 (Emergency only)

Lower Chanceford Township
Evacuation Route: Take local routes to Route 74 North to the reception center.
Reception Center: Red Lion Senior High School in Red Lion.
Transportation Assistance Number: (717) 862-3806 (Emergency only)

Peach Bottom Township
Evacuation Route: Take local routes to Route 851 West to Route 616 North to Fissel’s Church Road to the reception center.
Reception Center: Susquehannock High School South of Glen Rock.
Transportation Assistance Number: (717) 456-7280 (Emergency only)

York County-Specific School Information

School District: Red Lion School District
Risk School: All students living in the EPZ.
Host School: Students retained at the building of attendance for 2 hours, then transported to Red Lion Senior High School.

School District: South Eastern School District
Risk Schools: Delta-Peach Bottom Elementary School
Fawn Area Elementary School
Kennard Dale High School
South Eastern Middle School East
South Eastern Middle School West
Host School: Susquehannock High School

Cecil County

Evacuation Route: Local routes to Route 1 North. Make a slight right onto Route 273 East. Turn right onto Route 272 South. Rising Sun High School is 0.9 miles on the left on Tiger Drive.
Reception Center: Rising Sun High School
Transportation Assistance Number: (410) 996-5350

Cecil County-Specific School Information
Risk School: Conowingo Elementary
Host School: Calvert Elementary

Harford County

Evacuation Route: Local routes to Route 136 to Route 1 South or Route 543 South to Harford Community College.
Local routes to Route 152 to Fallston High School.
Reception Centers:
Harford Community College
Fallston High School
Transportation Assistance Number: (410) 638-4900

Harford County-Specific School Information
Risk School: Darlington Elementary School
Host: Meadowvale Elementary School
Risk School: Dublin Elementary School
Host: Churchville Elementary
Risk School: North Harford Elementary
Host: North Bend Elementary
Risk School: North Harford Middle School
Host: Hickory Elementary
Risk School: North Harford High School
Host: C. Milton Wright High School
Risk School: Harford Christian School
Host: Upper Crossroads Baptist Church
Additional Information

For more information on emergency planning in your area, please contact:

**Chester County**
Department of Emergency Services
Government Services Center
601 Westtown Road, Suite 12
P.O. Box 2747
West Chester, PA 19380-0990
(800) 732-1580
www.chesco.org/des

Cecil County, Department of Emergency Services
107 Chesapeake Blvd.
Elkton, MD 21921
(410) 996-5350
www.ccdes.org

- Cecil County Government uses automated mass notification systems to disseminate important information about our community, such as emergency instructions regarding a Peach Bottom Event, road closures or other emergencies impacting the County. Residents and businesses may receive phone, text and email messages through the automated systems. Additional information can be found on our webpage at: www.ccdes.org or by calling (410) 996-5350.
  All information submitted is confidential.

**York County Department of Emergency Services**
120 Davies Drive
York, PA 17402
(800) 762-8218
(717) 840-2990
www.yorkcountypa.gov/emergency-services

- Harford County Government uses the Connect-CTY notification service to disseminate important information about our community, such as emergency instructions regarding a Peach Bottom Event, road closures or other emergencies impacting the County. This system can send phone, text, and email messages to residents and businesses. Residents and businesses with unlisted phone numbers must click on the “Sign Up Now” link at: www.harfordpublicsafety.org or www.harfordcountymd.gov or call (410) 638-4029.
  All information is confidential.

**Lancaster County Emergency Management Agency**
P.O. Box 219
Manheim, PA 17545-0219
(800) 808-5236
www.lancema.us

Pennsylvania Emergency Management Agency
1310 Elmerton Avenue
Harrisburg, PA 17110
www.pema.pa.gov

**Maryland Emergency Management Agency**
State Emergency Operations Center,
Camp Fretterd Military Reservation
5401 Rue Saint Lo Drive
Reistertown, MD 21136-4541
(410) 517-3600
www.mema.state.md.us

Exelon Corporation
www.exeloncorp.com/peach
@exelonnuclear

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