



# Emergency Planning for the Peach Bottom Area



## Important Safety Information For Your Community And Annual Special Needs Survey 2016/2017

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. Discuta esta información con su familia y mantenga este panfleto en un lugar conveniente para un uso futuro.

## **Emergency Planning for the Peach Bottom 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*

Communities across the United States may use outdoor warning sirens for many purposes. Sirens are not exclusive to nuclear power facilities. Sirens are designed to warn the public of many hazards, including fires, flooding, and other events that warrant public notifications. If you hear a siren, you should tune to one of the Emergency Alert System (EAS) stations listed in this brochure for official information. Sirens surrounding the Peach Bottom Atomic Power Station are routinely tested at 1 pm on the first Wednesday of each month.

### *Rumor Control 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)

### *Siren Malfunction*

A siren may malfunction and inadvertently sound. Some indications of a siren malfunction are a siren sounding for more than five minutes, or a siren sounding with no accompanying message on the Emergency Alert System.

### *Siren Malfunction Contact Numbers*

Report siren malfunctions to the following 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

### *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)

The use of potassium iodide (KI) is an additional protective action to a shelter/evacuation action. You should still be safe, if KI has been recommended but is inaccessible. State and local officials will announce when the public should take KI in repeated Emergency Alert System messages. KI is a nonprescription medication that blocks the uptake of radioactive iodine by the thyroid gland. KI does not protect a person or the thyroid from direct exposure to radiation. Taking KI only saturates the thyroid with nonradioactive iodide. 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 your child or yourself. Follow the directions for storage and use that were included with the product. 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](http://www.health.state.pa.us)**

## Classification of Accidents

Should an accident occur at the Peach Bottom Generating Station, there are four accident classifications you might hear reported on the radio or TV, or read about in the newspapers.

**UNUSUAL EVENTS** — Events are in process 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 process 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 process 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 Guide exposure levels beyond the site boundary.

**GENERAL EMERGENCY** — Events are in process 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 Guide exposure levels offsite for more than the immediate site area.

# 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, 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 "Packing Checklist.") 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.

Pets will not be allowed inside reception centers and 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.



# 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.

## 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

### 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) 529-2373

### 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

### 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

# 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 to 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

Host: Hickory Elementary

Risk School: North Harford High

Host: C. Milton Wright High

Risk School: Harford Christian School

Host: Upper Crossroads Baptist Church



# What Is Radiation?

Radiation is energy in the form of rays or particles. Some atoms – the ones we call radioactive – are unstable. They go through a natural process called “decay” in which they change into a stable atom. In the process of decay, they throw off rays or particles called radiation.

We measure radiation in units called millirems. A millirem measures the effect of radiation on our bodies, as degrees measure temperature and inches measure distance.

After more than 90 years of intensive study, radiation is the most scientifically understood, easily detected, precisely measured, effectively controlled and strictly regulated of all environmental agents.

Radiation is exactly the same, whether from nature, or medical or industrial activities.

We also use radioactive materials – which give off radiation – in hundreds of beneficial, life-saving activities. For example, radioactive materials are used in many smoke detectors and in the X-ray equipment used by doctors. Nuclear energy plants, our second largest source of electricity in the United States, also use radioactive materials as fuel.

## For More Information, Please Visit:

[www.dep.state.pa.us/BRP](http://www.dep.state.pa.us/BRP)

[www.nrc.gov](http://www.nrc.gov)

[www.nei.org](http://www.nei.org)

[www.hps.org/publicinformation/Radterms](http://www.hps.org/publicinformation/Radterms)

[www.bt.cdc.gov/radiation](http://www.bt.cdc.gov/radiation)

# What You Need to Know About Nuclear Power Plants and Radiation

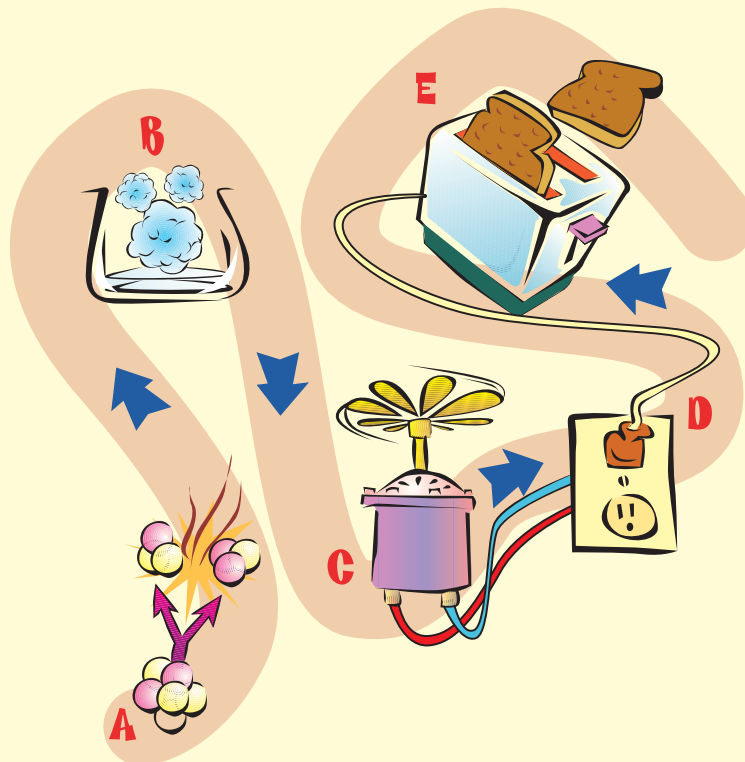
## How Do Nuclear Plants Work?

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, 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.



# 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	York County	Chester County	Harford County
<b>AM</b>	<b>AM</b>	<b>FM</b>	<b>AM</b>
WPDC 1600	WHVR 1280	WHYY 90.9*	WBAL 1090
WLPA 1490	WYYC 1250	WMGK 102.9*	<b>FM</b>
WLAN 1390	WSBA 910*		WXCY 103.7*
	WOYK 1350		WHFC 91.1
	WGET 1320		
	WGLD 1440		
<b>FM</b>	<b>FM</b>	<b>Cecil County</b>	<b>TV</b>
WMHX 106.7	WSOX 96.1	<b>AM</b>	COMCAST
WIOV 105.1	WQXA 105.7	WJSS 1330	CH 21
WDAC 94.5	WINK 103.3*	WBAL 1090	ARMSTRONG
WFNM 89.1	WYCR 98.5		CH 7
WROZ 101.3*	WVYC 99.7	<b>FM</b>	
WLAN 96.9	WGTY 107.7	WXCY 103.7*	
WIXQ 91.7	WKZF 92.7	WXHL 89.1	
WJTL 90.3		WOEL 89.9	
WLCH 91.3			
<b>TV</b>	<b>TV</b>		* Designated Emergency Alert System Control Station
WGAL CH 8	WGAL CH 8		
	WPMT CH 43		
	WGCB CH 49		

## Packing Checklist

### Medical Supplies

Prescribed medications, first aid kit, eyeglasses, hearing aids

### Money

Cash, credit and ATM cards

### Important Documents

Personal address book or papers you may need in an emergency

### Clothing

Including coats, shoes, outerwear

### Personal Hygiene Items

Soap, shampoo, shaving kit, dental, eye care and sanitary products

### Baby Needs

Bottles, formula, diapers, favorite toy, clothes, blanket, car seat

### Foods for Special Diets

### Bedding



# 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](http://www.chesco.org/des)

### Attention Chester County Residents

Residents of Chester County should sign up to receive official alerts and notifications at:

#### ReadyChesCo:

[www.readychesco.org](http://www.readychesco.org)

This system provides direct and immediate information during an emergency and allows you to provide detailed and confidential information useful to your local emergency management agency. If you do not have access to a computer, a friend or family member can complete the online registration for you.

An instructional video is available at:

[www.readymontco.org](http://www.readymontco.org)

## York County Department of Emergency Services

120 Davies Drive  
York, Pennsylvania 17402  
(800) 762-8218  
(717) 840-2990  
[www.yorkcountypa.gov/emergency-services](http://www.yorkcountypa.gov/emergency-services)

## Lancaster County Emergency Management Agency

P.O. Box 219  
Manheim, PA 17545-0219  
(800) 808-5236  
[www.lancema.us](http://www.lancema.us)

## Pennsylvania Emergency Management Agency

2605 Interstate Dr.  
Harrisburg, PA 17110  
[www.pema.state.pa.us](http://www.pema.state.pa.us)

## 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](http://www.mema.state.md.us)

## Cecil County, Department of Emergency Services

107 Chesapeake Blvd.  
Elkton, MD 21921  
(410) 996-5350  
[www.ccdes.org](http://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](http://www.ccdes.org) or by calling (410) 996-5350. All information submitted is confidential.

## Harford County Department of Emergency Services

2220 Ady Road  
Forest Hill, MD 21050  
(410) 638-4900  
[www.harfordpublicsafety.org](http://www.harfordpublicsafety.org)



Harford County Government uses the Connect-CTY notification service to disseminate important information about our community, such as a 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](http://www.harfordpublicsafety.org) or [www.harfordcountymd.gov](http://www.harfordcountymd.gov) or call (410) 638-4029. All information is confidential.

## Exelon Corporation



[www.exeloncorp.com/peach](http://www.exeloncorp.com/peach)



@exelonuclear

# 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

Fold Here

- 1 Do you have a hearing impairment that would make it difficult to hear outdoor warning sirens or other emergency notifications?  Yes  No
  - 2 Do you have a medical or physical condition that would make it difficult to evacuate in an emergency?  Yes  No
  - 3 Are you without any personal means of transportation, such as a car or truck, to evacuate in an emergency?  Yes  No
- Number of people needing transportation? \_\_\_\_\_
- 4 Do you have a radio or television?  Yes  No

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

Township (if applicable) \_\_\_\_\_

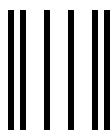
County \_\_\_\_\_

State and ZIP \_\_\_\_\_

Email Address \_\_\_\_\_

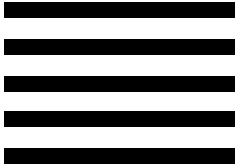
Telephone Number \_\_\_\_\_

2016/2017



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

**BUSINESS REPLY MAIL**  
FIRST-CLASS MAIL PERMIT NO. 2 KENNETT SQUARE, PA



POSTAGE WILL BE PAID BY ADDRESSEE

EXELON EMERGENCY PREPAREDNESS  
200 EXELON WAY  
KENNETT SQUARE PA 19348-9801



*Please TAPE closed here. DO NOT STAPLE.*