Exelon Nuclear

Emergency Planning for the Limerick Area

Important Safety Information For Your Community and Annual Special Needs Survey

2010/2011

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 encuentre alguien que se lo lea. Discuta esta información con su familia y mantenga este panfleto en un lugar conveniente para un uso futuro.

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, most likely as a cloud, or "plume," of radioactive steam that would 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 Limerick 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 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 Limerick Generating Station are routinely tested at 2 pm on the first Monday of each month.

Rumor Control Telephone Numbers

Berks County (610) 320-6150
Montgomery County (610) 631-9700
Chester County (610) 344-6480
TTY/TTD (610) 344-4785

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:

Berks County (610) 655-4921
Montgomery County (610) 631-6530
Chester County (610) 344-5000 or (800) 732-1580

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. 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:

Pennsylvania Department of Health at 1-877-PA-HEALTH or www.dsf.health.state.pa.us

Classification of Accidents

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

Unusual Event — 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.

Emergency Alert System

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

Radio Stations

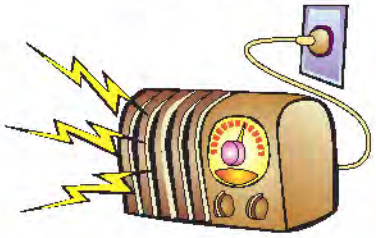
Berks County

AM
WEEU 830
WRAW 1340

FM
WRFY 102.5
WBYN 107.5
WXAC 91.3

Chester County

FM
WHYY 90.9*
WMGK 102.9*



Montgomery County

AM
KYW 1060
WNPV 1440
WZZD 990
WPAZ 1370

TV
Pottstown Community Television

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

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

Berks County

Amity Township (Amity Gardens)
Evacuation Route: Take Route 422 West to the reception center.
Reception Center: Boscov's Outlet Center, East of Reading.
Transportation Assistance Number: (610) 689-6000

Amity Township (East)
Evacuation Route: Take Route 662 North to Route 73 East to reception center.
Reception Center: Oley Valley High School, Oley.
Transportation Assistance Number: (610) 689-6000

Boyertown Borough
Evacuation Route: Take Route 73 West to reception center.
Reception Center: Oley Valley High School, Oley.
Transportation Assistance Number: (610) 369-1362

Colebrookdale Township (West of Route 100)
Evacuation Route: Take Route 73 West to the reception center.
Reception Center: Oley Valley High School, Oley.
Transportation Assistance Number: (610) 369-1362

Colebrookdale Township (East of Route 100)
Evacuation Route: Take Route 100 North to Route 29 North to the reception center.
Reception Center: Emmaus High School, Emmaus.
Transportation Assistance Number: (610) 369-1362

Douglass Township (South)
Evacuation Route: Take Route 662 North to Route 73 East to the reception center.
Reception Center: Oley Valley High School, Oley.
Transportation Assistance Number: (610) 367-8500

Douglass Township (North)
Evacuation Route: Take Route 562 West to Route 662, North to Route 73 East to the reception center.
Reception Center: Oley Valley High School, Oley.
Transportation Assistance Number: (610) 367-8500

Earl Township
Evacuation Route: Take Route 562 West to 662 North to Route 73 East to the reception center.
Reception Center: Oley Valley High School, Oley.
Transportation Assistance Number: (610) 367-8920

Union Township
Evacuation Route: Take Route 724 West to the reception center.
Reception Center: Robeson Township Building.
Transportation Assistance Numbers: (610) 385-3769 or (610) 582-3769

Washington Township
Evacuation Route: Take Route 100 North to Route 29 North to the reception center.
Reception Center: Emmaus High School, Emmaus.
Transportation Assistance Number: (610) 845-2877

Pick-up Points

Boyertown Bus Routes (Municipal Pick-up Points)

Schedule 1
- S. Reading Ave. & Walker Dr.
- S. Reading Ave. & College, Walnut, & W. Second Street "Hub"
- E. Philadelphia Ave. at Chestnut St. – Inner Core Lot

Schedule 2
- Second & Madison Sts.
- Third & Madison Sts.
- Fourth & Madison Sts.
- Fifth & Franklin Sts. – Tot Lot

Schedule 3
- N. Reading Ave. & Spring St.
- Multi Service – YMCA Building

Schedule 4
- W. Philadelphia Ave. & Walnut St.
- W. Philadelphia Avenue & Orchard Hills

Schedule 5
- Borough Hall Lot
- E. Philadelphia Ave. & Franklin St.
- E. Philadelphia Ave. at Chestnut St. – Inner Core Lot

Berks County-Specific School Information

School District: Daniel Boone
Risk Schools: Amity Primary Center
Monacacy Kindergarten Center
Amity Intermediate Center
Daniel Boone Middle School
Host School: Daniel Boone High School

School District: Boyertown Area
Risk Schools: Boyertown Senior High
Boyertown Junior High East
Boyertown Junior High West
Host School: Keystone Hall, Kutztown University
Risk Schools: Boyertown Elementary
Host School: Kutztown Area Middle School
Risk Schools: Colebrookdale Elementary
New Hanover Elementary
Host School: Kutztown Area High School
Risk Schools: Gilbertsville Elementary
Pine Forge Elementary
Host School: Kutztown Elementary School

Chester County

Charlestown Township
Evacuation Route: Take Route 29 South to Route 202 South to the reception center.
Reception Center: Stetson Middle School (Route 202 South of West Chester).
Transportation Assistance Number: (610) 993-6810

East Coventry Township
Evacuation Route: Take Route 23 West to the reception center.
Reception Center: Morgantown Crossings.
Transportation Assistance Number: (610) 495-2799

East Nantmeal Township – West
Evacuation Route: Take Route 401 West to Route 23 West to the reception center.
Reception Center: Morgantown Crossings.
Transportation Assistance Number: (610) 458-5780

East Nantmeal Township – East
Evacuation Route: Take Route 100 South to Route 113 South to Route 30 Bypass West to 322 East to the reception center.
Reception Center: Downingtown High School, Downingtown.
Transportation Assistance Number: (610) 458-5780

East Pikeland Township
Evacuation Route: Take Route 113 South to Gordon Drive to Route 100 South to the reception center.
Reception Center: W. Whiteland Township Building Route (100 South of Swedesford Road).
Transportation Assistance Number: (610) 933-1770

East Vincent Township
Evacuation Route: Take Route 23 East to Route 113 South to Gordon Drive to Route 100 South to the reception center.
Reception Center: W. Whiteland Township Building (Route 100 South of Swedesford Road).
Transportation Assistance Number: (610) 933-4424

North Coventry Township – South
Evacuation Route: Take Route 100 South to Route 23 West to the reception center.
Reception Center: Morgantown Crossings.
Transportation Assistance Number: (610) 323-1694

North Coventry Township – North
Evacuation Route: Take Route 724 West to the reception center.
Reception Center: Robeson Township Building.
Transportation Assistance Number: (610) 323-1694

Phoenixville Borough – North
Evacuation Route: Take Route 23 East to Route 252 South to Route 202 South to the reception center.
Reception Center: Stetson Middle School (Route 202 South of West Chester).
Transportation Assistance Number: (610) 933-3500

Phoenixville Borough – South
Evacuation Route: Take Route 29 South to Route 202 South to the reception center.
Reception Center: Stetson Middle School (Route 202, South of West Chester).
Transportation Assistance Number: (610) 933-3500

Schuylkill Township (East)
Evacuation Route: Take Route 23 East to Route 252 South to Route 202 South to the reception center.
Reception Center: Stetson Middle School (Route 202 South of West Chester).
Transportation Assistance Number: (610) 933-5843

Schuylkill Township (West)
Evacuation Route: Take Route 29 South to Route 202 South to the reception center.
Reception Center: Stetson Middle School (Route 202 South of West Chester).
Transportation Assistance Number: (610) 240-0326

South Coventry Township
Evacuation Route: Take Route 23 West to the reception center.
Reception Center: Morgantown Crossings.
Transportation Assistance Number: (610) 469-0444

Spring City Borough
Evacuation Route: Take Route 724 East to Route 23 E. to Route 113 South to Gordon Drive to Route 100 South to the reception center.
Reception Center: W. Whiteland Township Building (Route 100 South of Swedesford Road).
Transportation Assistance Number: (610) 948-3660

Upper Uwchlan Township
Evacuation Route: Take Route 100 South to Route 113 South to Route 30 Bypass West to Route 322 East to the reception center.
Reception Center: Downingtown High School, Downingtown.
Transportation Assistance Number: (610) 458-9400

Uwchlan Township
Evacuation Route: Take Route 113 South to Gordon Drive to Route 100 South to the reception center.
Reception Center: W. Whiteland Township Building (Route 100 South of Swedesford Road).
Transportation Assistance Number: (610) 363-9450

Warwick Township
Evacuation Route: Take Route 23 West to the reception center.
Reception Center: Morgantown Crossings.
Transportation Assistance Number: (610) 286-5557

West Pikeland Township
Evacuation Route: Take Route 113 South to Gordon Drive to Route 100 South to the reception center.
Reception Center: W. Whiteland Township Building (Route 100 South of Swedesford Road).
Transportation Assistance Number: (610) 827-7802

West Vincent Township
Evacuation Route: Take Route 100 South to Route 113 South to Route 30 Bypass West to Route 322 East to the reception center.
Reception Center: Downingtown High School, Downingtown.
Transportation Assistance Number: (610) 458-7444

Municipal Pick-up Points

I. Phoenixville Borough

North Side

Friendship Field
Filmore & Franklin Sts.

Holy Trinity Church
Dayton at St. Mary's St.

Black Rock Boat Dock
Rt. 113 at Schuylkill River

High St. Playground
400 Blk. of High St. next to Friendship Fire Company

Westridge Community Ctr.
Township Line & Mowere Rds.

Fairview St. Projects
Fairview & Grant Sts.

Downtown Area

Municipal Parking Lot
Bridge & Main Sts.

Emergency Operation Ctr.
Buchanan & Morgan Sts.

Phoenix Cleaners Parking Lot
300 Blk. Bridge St.

Presbyterian Church Parking Lot
Main Street & Washington Ave.

East Side

Reeves Park
Second Ave. & Main St.

Acme Parking Lot
Starr St. west of Nutt Rd.

Barkley School
Second Ave. & Lincoln Ave.

Second Avenue School
Second Ave. & Carson St.

West Side

DeSano Field
Wheatland & Mason Sts.

The West Company Parking Lot
1050 W. Bridge St.

Phoenixville Area Sr. High
1200 Blk. Gay St.

Rear of Vale-Rio Diner
Nutt Rd. & Fridge St.

Cascaden Park
1200 Lane Ave. (At Water Tank)

Werner Bus Company Lot
Chester Ave., & Paradise St.

Grimm AME Church Field
Morris St. & Lincoln Ave.

Gaines Creek Community Center
Harvest Lane

Eland Downes Community Center
Eland & Rt. 113

United Methodist Church
1200 Blk. S. Main St.

II. Spring City Borough

- Church St. & Bridge St.
- Church St. & Yost Ave.
- Church St. & New Str.
- Church St. & Hall St.
- Church St. & Chestnut St.
- Church St. & Poplar St.
- Church St. & Washington St.
- Church St. & Walnut St.
- Church St. & Pikeland Ave.
- Main St. & Walnut St.
- Main St. & Poplar St.
- Main St. & Chestnut St.
- Main St. & Hall St.
- Main St. & New St.
- Main St. & Yost Av.
- Main St. & Bridge St.
- Bridge St. & Penn St.
- Penn St. & Bridge St.
- Ridge Ave. & Glass St.
- Bridge St. & Glass St.

Chester County-Specific School Information

School District: Owen J. Roberts District Schools

Risk Schools: All
Host Schools: Twin Valley H.S./Jr. H.S., Elementary center

School District: Phoenixville Area School District

Risk School: Phoenixville H.S.
Host School: Tredyffrin-Easttown Middle School
Risk Schools: Phoenixville Middle School
Schuylkill Elementary
Barkley Elementary
East Pikeland Elementary
Kindergarten Center
Host School: Conestoga High School

School District: Downingtown Area School District

Risk School: Pickering Valley Elementary
Host School: Downington High School (East)

School District: Great Valley School District

Risk School: Charlestown Elementary
Host School: Great Valley High School

Montgomery County

Collegeville Borough
Evacuation Route: Take Germantown Pike East Right on Chemical Road to the reception center.
Reception Center: Plymouth Meeting Metroplex.
Transportation Assistance Number: (610) 489-9208

Douglass Township
Evacuation Route: Take Route 100 North to Route 29 North to the reception center.
Reception Center: Emmaus High School, Emmaus.
Transportation Assistance Number: (610) 367-6062

Green Lane Borough
Evacuation Route: Take Route 63 East to Route 113 North to the reception center.
Reception Center: County Line Plaza, Telford.
Transportation Assistance Number: (215) 234-9300

Limerick Township
Evacuation Route: Take Ridge Pike East to Germantown Pike East Right on Chemical Road to the reception center.
Reception Center: Plymouth Meeting Metroplex.
Transportation Assistance Number: (610) 495-6432

Lower Frederick Township
Evacuation Route: Take Route 29 North to Perkiomenville Road to Route 63 East to Route 113 North to the reception center.
Reception Center: County Line Plaza, Telford.
Transportation Assistance Number: (610) 287-8857

Lower Pottsgrove Township
Evacuation Route: Take Route 663 North to Route 309 North to the reception center.
Reception Center: Southern Lehigh High School.
Transportation Assistance Number: (610) 323-0436

Lower Providence Township
Evacuation Route: Take Route 363 South to Route 422 East to Route 202 North to Pennsylvania Turnpike East to Exit 351 to Route 1 North to the reception center.
Reception Center: Neshaminy Mall, Cornwells Heights.
Transportation Assistance Number: (610) 539-8021

Lower Salford Township
Evacuation Route: Take Route 113 North to the reception center.
Reception Center: County Line Plaza, Telford.
Transportation Assistance Number: (215) 256-8087

Marlborough Township
Evacuation Route: Take Route 63 East to Route 113 North to the reception center.
Reception Center: County Line Plaza, Telford.
Transportation Assistance Number: (215) 234-9300

New Hanover Township
Evacuation Route: Take Route 663 North to Route 309 North to the reception center.
Reception Center: Southern Lehigh High School.
Transportation Assistance Number: (610) 323-1008

Perkiomen Township
Evacuation Route: Take Route 29 South to Route 113 North to Route 73 East to Route 202 North to the reception center.
Reception Center: Montgomery Mall, North Wales.
Transportation Assistance Number: (610) 489-4034

Pottstown Borough (Central)
Evacuation Route: Take Route 100 North to Route 29 North to the reception center.
Reception Center: Emmaus High School, Emmaus.
Transportation Assistance Number: (610) 970-6500

Pottstown Borough (North)
Evacuation Route: Take Route 663 (North Charlotte Street) to Route 309 North to the reception center.
Reception Center: Southern Lehigh High School.
Transportation Assistance Number: (610) 970-6500

Pottstown Borough (East)
Evacuation Route: Take Route 422 Bypass West to the reception center.
Reception Center: Exeter Township Building.
Transportation Assistance Number: (610) 970-6500

Pottstown Borough (South)
Evacuation Route: Take Hanover Street South via Hanover Street Bridge to Route 724 West to the reception center.
Reception Center: Robeson Township Building.
Transportation Assistance Number: (610) 970-6500

Pottstown Borough (West)
Evacuation Route: Take Route 422 West to the reception center.
Reception Center: Exeter Township Building.
Transportation Assistance Number: (610) 970-6500

Royersford Borough
Evacuation Route: Take Township Line Road to Ridge Pike East to Germantown Pike East Right on Chemical Road to the reception center.
Reception Center: Plymouth Meeting Metroplex.
Transportation Assistance Number: (610) 948-3737

Schwenksville Borough
Evacuation Route: Take Route 73 East to Route 202 North to the reception center.
Reception Center: Montgomery Mall, North Wales
Transportation Assistance Numbers: (610) 287-9370 or (610) 287-7442

Skippack Township
Evacuation Route: Take Route 113 North to Route 73 East to Route 202 North to the reception center.
Reception Center: Montgomery Mall, North Wales.
Transportation Assistance Number: (610) 584-5453

Trappe Borough (North)
Evacuation Route: Take Route 113 North to Route 73 East to Route 202 North to the reception center.
Reception Center: Montgomery Mall, North Wales.
Transportation Assistance Number: (610) 506-6101

Trappe Borough (South)
Evacuation Route: Take Ridge Pike East to Germantown Pike East, right on Chemical Road to the reception center.
Reception Center: Plymouth Meeting Metroplex.
Transportation Assistance Number: (610) 506-6101

Upper Frederick Township
Evacuation Route: Take Perkiomenville Rd. to Route 63 East to Route 113 North to the reception center.
Reception Center: County Line Plaza, Telford.
Transportation Assistance Number: (610) 754-6436

Upper Pottsgrove Township
Evacuation Route: Take Route 100 North to Route 29 North to the reception center.
Reception Center: Emmaus High School, Emmaus.
Transportation Assistance Number: (610) 323-8675

Upper Providence Township
Evacuation Route: Take Route 422 East to Route 202 North to Pennsylvania Turnpike East to Exit 351, then Route 1 North to the reception center.
Reception Center: Neshaminy Mall (Cornwells Heights).
Transportation Assistance Number: (610) 933-9179 or (610) 933-8608

Upper Salford Township
Evacuation Route: Take Route 63 East to Route 113 North to reception center.
Reception Center: County Line Plaza, Telford.
Transportation Assistance Number: (610) 287-6160

West Pottsgrove Township
Evacuation Route: Take High Street West to Route 422 West to the reception center.
Reception Center: Exeter Township Building (East of Reading).
Transportation Assistance Number: (610) 323-7717

Pottstown Pick-up Points

(Contact Pottstown Borough Hall for exact pick-up times for your zone.)

Central Zone

St. Aloysius Church Social Hall
Beech & Penn Sts.
1st United Presbyterian Church
750 N. Evans & Nightingale
Second Baptist Church
507 N. Adams St.
First Church of the Brethern
Fifth & York Sts.

North Zone

YMCA
Jackson & Adams Sts.
St. Paul's United Church of Christ
931 Franklin & Grace Sts.

South Zone

Holy Trinity Roman Catholic Church
366 South St.

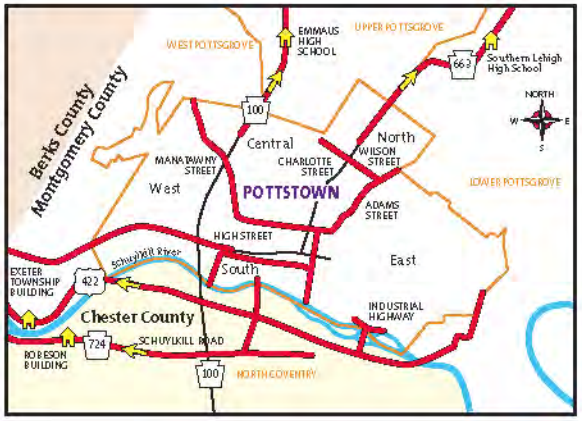
East Zone

Richard Ricketts Community Cente
Beech & Grant Sts.
R.P. Smith Towers
High & Washington Sts.
Pollock House
High & Washington Sts.
Chesmont Professional Bldg.
13 Armand Hammer Blvd.
Church of the Nazarene
1045 Beech St.
Goodwill Fire Company
High & Bailey Sts.
Congregation Mercy & Truth Synag
575 North Keim St.

West Zone

St. Michaels Ukrainian Catholic Chu
425 W. Walnut St.

Empire Hook and Ladder Company
Chestnut & Franklin St.
Philadelphia Steam Fire Engine Co. #1
Chestnut & Penn Sts.
The Ice House
King & Manatawney Sts.
Pottstown Area
Senior Citizen's Center
724 N Adams St.



Risk School: St. Eleanor School
Host School: Mother of Divine Providence School (King of Prussia)
Risk School: St. Mary of Delphi
Host School: Corpus Christi School (Lansdale)
Risk School: St. Peter's School
Host Schools: St. Ann's School (Emmaus-Lehigh County)
Risk School: St. Pius X High School
Host Schools: DeSales University (Center Valley-Lehigh County)

Montgomery County-Specific School Information

School District: Methacton

Risk Schools: All Public Schools
Host School: Norristown Area High School

School District: Perkiomen Valley

Risk Schools: All Public Schools
Host School: North Penn High School (Lansdale)

School District: Pottsgrove

Risk Schools: All Public Schools
Host School: Southern Lehigh High School Complex (Center Valley-Lehigh County)

School District: Pottstown

Risk Schools: All Public Schools
Host School: Emmaus High School Complex (Lehigh County)

School District: Souderton Area

Risk School: Salford Hills Elementary School
Host School: Indian Valley Middle School (Harleysville)

School District: Spring-Ford Area

Risk School: All Public Schools
Host Schools: Montgomery County Community College

School District: Upper Perkiomen

Risk School: All students living in the Emergency Planning Zone.
Host School: Retained at Upper Perkiomen High School (Red Hill) after normal dismissal time.

Vocational Schools

Risk School: Western Center for Technical Studies
Host Schools: Upper Perkiomen High School (Red Hill)

Nonpublic Schools (Parochial)

Risk School: Sacred Heart School
Host School: St. Philip Neri School (Lafayette Hill)
Risk School: St. Aloysius School
Host School: St. Thomas More School (Allentown)

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.*

The following table shows the U.S. annual average radiation dose due to natural radioactive materials or man's use of radioactive material.

*U.S. Council for Energy Awareness

Source	Millirem Per Year
** Natural Sources	
Radon	200
Cosmic	27
Terrestrial	28
Internal (in the human body)	39
** Consumer Products	5 to 13
** Medical	
Diagnostic X-rays	39
Nuclear Medicine	14
** Occupational	0.9
** Nuclear Fuel Cycle	0.05

**National Council on Radiation Protection and Measurements, Report No. 93 –"Ionizing Radiation Exposure of the Population of the United States," Sept. 1987.

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.

What to Do in an Emergency

Listen for Emergency Instructions

Tune your radio to one of the stations listed in this pamphlet and follow all emergency instructions.

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.

Law enforcement agencies will maintain security in evacuated areas and provide traffic control.

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 panning 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 atttending 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.

Additional Information

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

Berks County

Department of Emergency Services
Direct Link Technology Center
2561 Bernville Road
Reading, PA 19605
(610) 374-4800
www.berksema.com

Attention Berks County Residents

If you are a resident of Berks County and require special assistance during an emergency, please complete the on-line special needs survey at http://www.berksema.com. After accessing the website, look for the icon shown below to complete the survey.

DO NOT COMPLETE THE SURVEY ENCLOSED WITH THIS BROCHURE.

If you do not have access to a computer or have additional questions, please call Berks DES at (610) 374-4800 ext. 8205.

Montgomery County

Office of Emergency Preparedness
50 Eagleville Road
Eagleville, Pennsylvania 19403
(610) 631-6530
www.montcopa.org/eoc

Attention Montgomery County Residents

If you are a resident of Montgomery County and require special assistance during an emergency, please complete the on-line special needs survey at http://www.specialneedspa.org. Follow the on screen instructions to register. If you do not have access to a computer, a family member can complete this online form for you or you can contact the Montgomery County Department of Public Safety.

Chester County

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

Attention Chester County Residents

If you are a resident of Chester County and require special assistance during an emergency, please complete the on-line special needs survey at http://www.specialneedspa.org. Follow the on screen instructions to register. If you do not have access to a computer, a family member can complete this online form for you or you can contact the Chester County Department of Emergency Services.

Pennsylvania

Emergency Management Agency
2605 Interstate Dr.
Harrisburg, PA 17110
www.pema.state.pa.us