Are you ready?

Be Prepared for an Emergency at the Indian Point Energy Center
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A Guide for You and Your Family

The Indian Point Energy Center is a nuclear powered electric generating facility, located in Buchanan, New York. The plant is on the east bank of the Hudson River in Westchester County, close to portions of Rockland, Putnam and Orange Counties.

Emergency planners in Orange County are well-trained and equipped to protect the public in the event of an emergency. For Indian Point, they have developed a comprehensive emergency plan, in cooperation with emergency planners from the other three counties, New York State and the operators of Indian Point. The plan includes information and procedures for protecting the public in a wide range of possible nuclear emergencies.

Part of the emergency plan includes communicating with the public. The information in this booklet is for you, the people in the communities close to Indian Point. Emergency planners want people to have this information because it will help keep you safe in the unlikely event of an emergency at Indian Point.

We urge you to take a close look at the fold-out map at the center of this booklet to locate the area in which you live and/or work. Read this booklet carefully, well in advance of any potential emergency. Discuss it with your family, fill in your family’s information, and keep this booklet in a safe place for future reference.

Step-by-Step Emergency Planning

As you read this booklet, you’ll be asked to write your family’s emergency information. At the end of this step-by-step process, you will have gathered important information that will keep you and your family safe in an emergency.

You can also copy your information onto the Emergency Plan Summary on page 2 of this booklet.

There are also Emergency Plan Cards inside the back cover of this booklet so you can keep a copy of your emergency information in your car, briefcase or purse.
Emergency Plan Summary

This summary page is your family's personal Emergency Plan. Fill out this page carefully with your information. Discuss this booklet with your family and keep it in a safe, easy-to-find place for future reference. Remember:

• If you hear emergency sirens sound continuously for 4 minutes, turn to your Emergency Alert System (EAS) radio or TV station for further instructions.
• EAS broadcasts may instruct you to stay indoors with windows and doors shut, a protective action called “sheltering-in-place.”
• Or, you may be instructed, depending on where you live, to evacuate. Do not evacuate unless your area is specifically instructed to do so.
• You may be instructed by safety officials on EAS broadcasts to swallow a KI-potassium iodide pill. Know where you have stored your supply, and take it with you if you are evacuated.

1. My Emergency Alert System (EAS) stations are:
   AM radio________________ FM radio________________ TV________________

2. My General Population Reception Center is _____________________________________

3. My recommended route to get to my General Population Reception Center is
   _______________________________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________
   _______________________________________________________________________

   If I don’t own or have access to a car, I can take an emergency bus to my Reception Center. My emergency bus stop is located at _____________________________________.

4. My children's School Reception Center:
   Child's name                         School Reception Center
   ____________________                  _____________________________________________
   ____________________                  _____________________________________________

   My children's Camp Reception Center are:
   Child's name                         Camp Reception Center
   ____________________                  _____________________________________________
   ____________________                  _____________________________________________

5. I can obtain KI-potassium iodide by calling my county's Department of Health at
   845-568-5333 in Newburgh or 845-291-2330 in Goshen
   I keep my supply of KI-potassium iodide (where) ______________________________

Other Information
If an emergency takes place, your family members might not be at home. In case this happens, it may be a good idea to agree on a place outside the EPZ where everyone would meet, such as at a General Population Reception Center or a friend’s or relative’s house outside the EPZ. You should also agree on a “check-in” phone number for the family—a friend or relative who lives outside the area code you’re in. Everyone would call this person to check in with him or her if an emergency occurred.

Our “check-in” phone number is ______________________________

If my family is separated in an emergency, we will meet at
Place _______________________________________________________________________
Phone _______________________________________________________________________

See page 3 6 7 1 3 8 9 12
How will I know if there’s an emergency at Indian Point?

Siren alerts
If there were a potential for or an actual release of radiological materials to the environment, your County Executive—in partnership with New York State officials and other county officials—might sound emergency sirens. These special sirens are located throughout the 10-mile Emergency Planning Zone (EPZ) around Indian Point.

If the emergency sirens sound continuously for 4 minutes you should tune to an emergency alert system (EAS) radio or TV station listed below.

High Speed Telephone Notification
In addition to the emergency siren system, County officials may use a high-speed telephone alerting system for emergency notifications. When the sirens sound, the telephone alerting system may be activated for phones within your portion of the Indian Point EPZ. The telephone alerting system may be used in conjunction with the siren system. If you are notified by telephone please listen to the entire message.

This high speed telephone alerting system has an option that allows residents to add telephone numbers such as cell phone or unlisted numbers that may not be in the system. To find out more about the system or to add additional contact numbers, visit the Orange County Division of Emergency Management website (www.orangecountygov.com/dem) and follow the hyperlink to “Emergency Planning for Indian Point”.

Siren and High Speed Telephone Alert Testing: The sirens are tested periodically throughout the year to ensure that they work in the event of an emergency. The high speed telephone alerting system could be activated in conjunction with the siren tests. Siren and high speed telephone alerting tests are announced in advance through local news media.

Tune in for information
If you hear the emergency sirens, tune in your radio and TV to an Emergency Alert System (EAS) station for further information.

Remember: The sounding of the sirens is not a signal to take any actions other than to listen to your radio or TV.

EAS Stations

<table>
<thead>
<tr>
<th>AM Radio</th>
<th>FM Radio</th>
<th>Television</th>
</tr>
</thead>
<tbody>
<tr>
<td>WFAN 660</td>
<td>WRRV 92.7</td>
<td>WCBS Ch 2</td>
</tr>
<tr>
<td>WABC 770</td>
<td>WHUD 100.7</td>
<td>WNBC Ch 4</td>
</tr>
<tr>
<td>WCBS 880</td>
<td>WFAS 103.9</td>
<td>WNYW Ch 5</td>
</tr>
<tr>
<td>WFS 1230</td>
<td>WGNY 103.1</td>
<td>WABC Ch 7</td>
</tr>
<tr>
<td>WALL 1340</td>
<td>WSPK 104.7</td>
<td>Your NEWS Now (YNN Ch 6)</td>
</tr>
<tr>
<td>WLNA 1420</td>
<td>Time-Warner Cable</td>
<td></td>
</tr>
<tr>
<td>WGNY 1220</td>
<td>NEWS 12 Hudson Valley</td>
<td></td>
</tr>
<tr>
<td>WWLE 1170</td>
<td>(Ch 12 Cablevision)</td>
<td></td>
</tr>
</tbody>
</table>

Emergency information could also be carried on the following stations:

<table>
<thead>
<tr>
<th>AM Radio</th>
<th>FM Radio</th>
</tr>
</thead>
<tbody>
<tr>
<td>WRKL 910</td>
<td>WNEW 102.7</td>
</tr>
<tr>
<td>WTBQ 1110</td>
<td>WXPK 107.1</td>
</tr>
<tr>
<td>WRCR 1300</td>
<td></td>
</tr>
<tr>
<td>WINS 1010</td>
<td></td>
</tr>
</tbody>
</table>
Community emergency planning described in this booklet is for the area within a 10-mile radius of Indian Point. This area is called the Emergency Planning Zone (EPZ). The federal government set the 10-mile radius as the area requiring emergency plans for protecting health and safety in radiological emergencies.

If you live or work within the EPZ, this booklet is for YOU.

A radiological emergency at Indian Point would mean that radioactive materials either escaped or could possibly escape from the plant. The materials would be in the form of a vapor or very fine particles that, if released to the air, would be carried by the wind.

Radioactive materials would float with the wind in patterns called plumes—like smoke from a smokestack. While you couldn’t see, feel or smell these plumes, state and county emergency workers could accurately track them with scientific instruments.

The goal of emergency planners is to prevent or limit people’s exposure to the radioactive materials.

What is the Emergency Planning Zone (EPZ)?

“The County of Orange has developed a comprehensive Radiological Emergency Response Plan to help protect you and your family in the event of an emergency at the Indian Point Energy Center. Our group of dedicated emergency response professionals stands ready to assist you and your family in the event of an emergency.”

Edward A. Diana
Orange County Executive

Contact the Orange County Department of Emergency Services at 1-800-942-7136 during regular business hours to obtain additional emergency preparedness information.
How will I know if my area is affected during an emergency at Indian Point?

This booklet has been mailed to you because your home or workplace is located in the 10-mile Emergency Planning Zone (EPZ) around the Indian Point Energy Center (see the detailed map in this booklet).

In an effort to communicate more clearly during an emergency, the county has implemented changes that will make it easy for you to understand and follow directions. Now, if there is an emergency, you will be given instructions based on your municipality.

Emergency instructions broadcast on EAS radio and television stations during an emergency will tell you what communities need to take protective actions.
What is a protective action and what should I do if my community is directed to take protective action?

If there were an emergency at Indian Point, officials might sound the emergency sirens and then use the Emergency Alert System (EAS) to broadcast instructions for people to take “protective actions.” A protective action could direct people in certain communities to stay inside behind closed windows and doors. This action is called “shelter-in-place.” Or people could be directed to leave their community and go to a place outside the Emergency Planning Zone.

**Staying indoors – “shelter-in-place”**

Sheltering-in-place with windows and doors closed and outside air vents shut can be an effective protective action in certain instances during a radiation release. This action may be recommended when there is a brief release of radiation from the Indian Point Energy Center. Wind and weather conditions could cause the radiation to pass through the area very quickly. In this scenario, sheltering-in-place inside would provide better protection than driving away in a car. See the box below for shelter instructions.

Sheltering-in-place may also be the preferred action in cases where bad weather, for example a snowstorm, prevents efficient evacuation. Again, if you hear the emergency sirens, turn on your radio or TV to receive EAS messages with further instructions.

**Shelter-in-place instructions**

If you are instructed to remain indoors (“shelter-in-place”) because of an emergency, you should:

- Keep family and pets inside.
- Close all windows and doors.
- Turn off heaters, air conditioners and any other ventilation systems.
- Extinguish fires in fireplaces and close dampers.
- Stay tuned to the Emergency Alert System (EAS) stations.
- Avoid using telephones, including cell phones, to prevent overloading the system and interfering with emergency use.
Evacuating

The County Executive might direct people in some areas to evacuate— leave the area. The order to evacuate would be given only after considering all information about the emergency at Indian Point. The order to evacuate would be announced through EAS broadcasts on radio or TV.

People who are evacuating might be directed to go to a General Population Reception Center before traveling to the home of a relative or friend or other destination. These Reception Centers are located in schools outside the Emergency Planning Center (EPZ).

At these Centers, they could be screened for possible radiological contamination, and be “decontaminated” if necessary.

Safety and public health officials will be present at each Center. Food, medical attention, information about places to stay, and other services will also be available. The Centers corresponding to your area are found on the detailed map in this booklet.

Please follow directions carefully if your area is being evacuated. Public officials make every effort to allow sufficient time to safely evacuate an area before there is danger of exposure to radiation. If you are told to evacuate, you should have enough time to gather enough personal supplies for three to five days away from home. Consider taking things such as clothing, medication, baby supplies, money and important papers. The checklist on inside back cover, can help you plan these supplies.

Evacuation instructions

If you are instructed to evacuate because of an emergency, you should:

• Be certain that your area is being ordered to evacuate. Do not evacuate unnecessarily.

• If your area is being evacuated, you should arrange to leave as soon as possible by car or by emergency bus. Keep your radio on and your car windows closed and use only re-circulating air conditioning or ventilation if your car is so equipped.

• Refer to the Evacuation Supplies checklist, inside back cover for items to help determine what you should bring with you during an evacuation. If you have children in school, they will probably have already been relocated by school authorities. You can pick them up at their School Reception Center which is shown on the map in the back of this booklet.

• Evacuate to a location outside of the EPZ, using the most timely route to stay with a friend or relative. If not, go to a General Population Reception Center which is shown on the map in this booklet. Recommended evacuation routes to the General Population Reception Centers are shown on the map.

• Taking KI is also a protective action that may be ordered. When people are instructed by public officials to evacuate, they may also be instructed to swallow a dose of “KI.” KI is potassium iodide, an over-the-counter drug that can protect only one part of your body— your thyroid— from only one type of radiation, radioactive iodine. Please see page 12 for more details.
General Population Centers

If Orange County residents must be evacuated, they may be directed to the General Population Reception Centers that appear on the map with the letter designation, A, B, C, D, and E. Reception Center E is for residents of West Point only.

School Reception Center

If students and school personnel must be evacuated immediately for their safety, buses will take them to the school reception center listed below.

Evacuation School
- James I. O'Neill High School
- Highland Falls Middle School
- Sacred Heart of Jesus Elementary School
- Nursery School of the Highlands
- Fort Montgomery Elementary School

Directions to South Junior High School:
- 9W North to Mills Street
- Make the first right onto Bridge St.
- Make right on Overlook Pl.
- School is at next intersection (Monument Street)

School Reception Center
- South Junior High School
- 33-63 Monument Street
- Newburgh

Camp Reception Center

If resident summer camps and day camps in Harriman State Park must be evacuated, the campers/residents will be transported to a Camp Reception Center. When camps are in session, most schools are not in session (with the exception of summer school).

Camp Reception Center
- Warwick Valley High School
- 89 Sanfordville Road
- Warwick

Directions to Camp Reception Center:
- Rte. 17 to Rte. 17A
- Make right on Rte. 94 North
- Make left on West St. Extension
- Make left on Sanfordville Road
- Warwick Valley High School is first left

Legend

Areas
- Town of Cornwall
- Town of Highland
- Village of Highland Falls
- Chiefs Rock
- Bear Mountain State Park
- Harriman State Park
- West Point Military Reservation

General Population Reception Centers
- Middletown High School
- Newburgh Free Academy
- Heritage Junior High School
- Suffern High School
- Aviation Detachment at Stewart Airport (West Point only)

School Reception Center
- School Reception Center at South Junior High School

Camp Reception Center
- Camp Reception Center at Warwick Valley High School

Legend

Orange County

Areas
- Town of Cornwall
- Town of Highland
- Village of Highland Falls
- Chiefs Rock
- Bear Mountain State Park
- Harriman State Park
- West Point Military Reservation

General Population Reception Centers
- Middletown High School
- Newburgh Free Academy
- Heritage Junior High School
- Suffern High School
- Aviation Detachment at Stewart Airport (West Point only)

School Reception Center
- School Reception Center at South Junior High School

Camp Reception Center
- Camp Reception Center at Warwick Valley High School

Legend

Radioactive Waste Storage Facility

Points of Interest
- Indian Point Energy Center
- Harriman State Park
- Village of Cornwall
- Town of Tuxedo
How can KI (potassium iodide) protect me and my family, and how do I obtain it?

**Obtain KI-potassium iodide for your family free of charge**

- Contact the Orange County Department of Health at 845-568-5333 in Newburgh or 845-291-2330 in Goshen.
- KI-potassium iodide is also available for purchase over the counter at local pharmacies. Please contact your pharmacy for more information.
- All schools in the Orange County Emergency Planning Zone (EPZ) are supplied with KI-potassium iodide.

Potassium iodide, known by its chemical symbol KI (potassium iodide), is an over-the-counter drug. In the event of a serious nuclear plant emergency, KI (potassium iodide) has a safety value as a supplement to shelter and evacuation. It reduces the risk of thyroid cancer from exposure to radioactive iodine. Radioactive iodine could be among the materials released in a severe emergency.

KI (potassium iodide) protects only the thyroid gland from exposure to radioactive iodine. It does not protect any other part of your body, and it does not protect you from other forms of radiation.

The Counties have made KI (potassium iodide) available free of charge to everyone living within the EPZ. You should obtain a supply of KI (potassium iodide) for your family and keep it in a safe place as a precaution.

Do not take more KI (potassium iodide) than the recommended dose.

**When do I take KI (potassium iodide) and how much do I take?**

County officials will advise the public through news broadcasts on TV and radio when and if they should ingest KI (potassium iodide). Both adults and children would be instructed by public health officials what dosage they should ingest.

If you are told to ingest KI (potassium iodide) and evacuate but you do not have KI (potassium iodide), simply evacuate. If necessary, you will be given KI (potassium iodide) at your General Population Reception Center.

One dose of KI (potassium iodide) protects the thyroid gland from radioactive iodine for approximately 24 hours. It is most effective if taken immediately prior to exposure as directed. However, thyroid protection can still be achieved by ingesting a dose of KI (potassium iodide) up to four hours after radiation exposure.

Listen to your Emergency Alert System (EAS) stations for instructions about KI (potassium iodide).

**Recommended Doses of KI for Different Risk Groups**

<table>
<thead>
<tr>
<th>Age Group</th>
<th>KI dose (mg)</th>
<th># ml liquid (65 mg/ml)</th>
<th># of 65 mg tablets</th>
<th># of 130 mg tablets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adults over 40 yrs</td>
<td>130</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Adults over 18 through 40 yrs</td>
<td>130</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Pregnant or lactating women</td>
<td>130</td>
<td>2</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Adolescents over 12 through 18 yrs who weigh at least 150 pounds</td>
<td>65</td>
<td>1</td>
<td>1</td>
<td>1/2</td>
</tr>
<tr>
<td>Adolescents over 12 through 18 yrs who weigh less than 150 pounds</td>
<td>65</td>
<td>1</td>
<td>1</td>
<td>1/2</td>
</tr>
<tr>
<td>Children over 3 through 12 yrs</td>
<td>65</td>
<td>1</td>
<td>1/2</td>
<td>1/2</td>
</tr>
<tr>
<td>Over 1 month through 3 years</td>
<td>32</td>
<td>1/2</td>
<td>1/2</td>
<td>1/4</td>
</tr>
<tr>
<td>Birth through 1 month</td>
<td>16</td>
<td>1/4</td>
<td>1/4</td>
<td>1/8</td>
</tr>
</tbody>
</table>
# Evacuation Maps and Information

This booklet contains maps and lists important locations that you might need to know in case of an evacuation from the Orange County portion of the Indian Point Emergency Planning Zone (EPZ). These include:

- Descriptions of evacuation bus routes and bus stops. (below)
- Locations of the General Population Reception Centers
- Location of the School Reception Center
- Location of the Camp Reception Center
- Map showing recommended evacuation routes (highlighted) from each area of the EPZ to the recommended reception centers for those areas
- Street maps of the areas around the reception centers

## Orange County Bus Routes

If you do not have your own transportation out of the area, buses will be provided to take you to a reception center. The following is a list of bus routes and stops in Orange County. If you and your family are advised to evacuate, locate the nearest bus stop. You will be advised over the radio when to go to your bus stop or wait outside your home if your route has stops at private residences.

### Bus Stops

#### From West Point-Thayer Gate to Middletown High School
**Bus No. 0-130**
- Transportation-dependent civilians at West Point will be picked up outside the Thayer Gate and taken to the Reception Center at Middletown High School.

#### From Cornwall to Heritage Middle School
**Bus No. 0-132**
- Cty. Rte. 9 at Town Line; Private Residences between Town Line and Gadiri Dr.; Private Residences between Gadiri Drive and Angola Rd.; Angola Rd. (Cty. Rte. 65), Clarkwood Dr., Mine Hill Rd & Cherry Hill La.; Private Residences between Cherry Hill La. & U.S. Highway 9W. (North)

#### From Town of Highlands to Newburgh Free Academy
**Bus No. 0-131**
- Old State Rd. at Rose Dr. (Cragston); West Point Mobile Trailer Park (Office); Hudson View Terrace Trailer Park (Entrance); State Rte. 9W.
- State Rte. 9W (North) & Private Residences to Stony Lonesome Rd.

**Bus No. 0-133**
- U.S. Highway 9W at Rivercrest Rd., Garrison Rd. & Montgomery Rd.
- Firefighters Memorial Dr. at U.S. Highway 9W, Canterbury Rd. & Mine Dock Rd.
- U.S. Highway 9W at Old. U.S. Highway 9W.

#### From Village of Highland Falls to Newburgh Free Academy
**Bus No. 0-134**
- State Rte. 218 at Walker Ave., Onadora Parkway, Regina Rd. & Havens Rd.
- Main St. at Mountain Ave.
- Mountain Ave. at Center St. & Locust St.

**Bus Stops**

#### From Highland Falls/Town of Highlands to Newburgh Free Academy
**Bus No. 0-135**
- Main St. at Parry Ave., Drew Ave., Cozzens Ave, Purple Heart Memorial Sr., Schneider Ave. & Mountain Ave.

#### From Village of Woodbury-Highland Mills Area to Middletown High School
**Bus No. 0-136**
- Skyline Dr. at Rainbow Dr., Birchwood Dr. & Pine Hill Rd.
- Pine Hill Rd. at Cty. Rte. 9.
- Cty. Rte. 9 at Thayer Rd.; Andre Dr.; Private Residences between Pine Hill Rd. & Hamilton Ave.; Hamilton Ave.; Private Residences between Hamilton Ave. and Trout Brook Rd.
- Trout Brook Rd. (Cty. Rte. 34) at Cty. Rte. 9 & State Rte. 32.

#### From Village of Woodbury/Central Valley to Middletown High School
**Bus No. 0-137**
- Central Valley Golf Club on Smith Clove Rd.
- Abrams Rd. at Stonegate Rd. & Estrada Rd.
- Old Falkirk Hospital on Old U.S. Rte. 6 (Estrada Rd.)

#### From Town of Tuxedo/Arden to Suffern High School
**Bus No. 0-138**
- Private Residences on Arden Rd.

#### From Town of Tuxedo/East Village to Suffern High School
**Bus No. 0-140**
- East Village Rd. at Barone Ct., Center St., East Pl. & Grove Dr.

#### From Bear Mountain Inn/Overlook Inn to Middletown High School
**Bus No. 0-141**
- Overlook Inn (Main Entrance).
- Bear Mountain Inn (Main Entrance).
General Reception, School Reception and Camp Reception Centers directions.

**Reception Center B**
For the Village of Highland Falls and Town of Highlands

**School Reception Center**
For all students in the Highland Falls School District, including private schools

**Reception Center C**
For the Town of Cornwall within the EPZ

**Reception Center E**
For Military and civilian personnel at West Point

**Reception Center (West Point Only)**
USMA 2ND AVIATION DETACHMENT
New Windsor
Reception Center A
For the Village of Harriman and Village of Woodbury areas of the EPZ

Reception Center D
For the Town of Tuxedo within the EPZ

Camp Reception Center
For campers in Harriman State Park—Summer only
What other important emergency planning information do I need to know?

Planning for people with special needs

If there is a need for an evacuation, the County has plans in place to pick up and transport people with special needs who have no other means of transportation. Special needs could include a walking disability, sight or hearing impairment, or need for specialized medical equipment or transportation. People with special needs would be taken to General Population Reception Centers or other facilities.

It should be noted that nursing homes, hospitals, hospices, etc., within the EPZ have included emergency procedures in their emergency plans. Staff is trained in these procedures to keep these people safe in the event of an emergency. Residents of such facilities would be transported to host facilities outside the EPZ.

If you have special needs, please fill out the registration card in the back of this booklet and mail it in so we can make arrangements to help. If you know someone who might need assistance filling out the card, please offer to help them. Even if you mailed in a card last year, please do so again to keep our records up-to-date.

Protecting your pets

If you are directed to evacuate, you will want to take your pets with you. However, pets will not be permitted inside General Population Reception Centers (except service animals such as seeing-eye dogs). Pet owners are encouraged to make a list of places that would accept their pets in an emergency, such as boarding kennels, or friends and relatives outside the EPZ.

Pet owners should plan to bring their own supplies, including food, leashes, cages and carriers etc. when they evacuate. For more information on disaster preparedness for your pets or livestock, visit The Humane Society of the United States Disaster Center website at www.hsus.org/hsus_field/hsus_disaster_center/resources/.

If you have livestock or agricultural products, useful information is available on the New York State Emergency Management Office’s website at www.semo.state.ny.us or by calling 518-292-2312 and asking for the brochure “Radiological Emergency Information for the Agricultural Community.”

“In the interest of protecting the health and safety of our residents, we believe that keeping informed about emergency planning related to Indian Point is very important. The Orange County Department of Health encourages all residents in the Emergency Planning Zone to read and keep this material.”

Dr. Jean Hudson
Orange County Commissioner of Health

If you haven’t already done so, transfer all the information you entered in the numbered boxes to the Emergency Plan Summary on page 2.
Different levels of incidents

There are four classifications of nuclear power plant incidents established by the federal government.

<table>
<thead>
<tr>
<th>Incident Classification</th>
<th>Definition</th>
<th>Siren Activation?</th>
<th>Public Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unusual Event</td>
<td>There is a potential problem with operation of the plant. No radiation leak is expected. Federal, state and county officials will be notified immediately.</td>
<td>Sirens unlikely to sound</td>
<td>Likely no action necessary. Information will be provided to news media.</td>
</tr>
<tr>
<td>Alert</td>
<td>Something has happened that could reduce the plant's level of safety. A small leak of radiation could occur inside the plant not affecting the public.</td>
<td>Sirens may sound</td>
<td>Indian Point, the counties and the state emergency response centers are fully activated and coordinating their activities. Information will be provided to news media.</td>
</tr>
<tr>
<td>Site Area Emergency</td>
<td>A problem has substantially reduced the plant's level of safety, but radioactivity levels outside the plant site are not expected to exceed federal guidelines.</td>
<td>Sirens will likely sound</td>
<td>Indian Point, the counties and the state emergency response centers are fully activated and coordinating their activities. You should monitor the situation on television or radio.</td>
</tr>
<tr>
<td>General Emergency</td>
<td>Problems affecting plant safety systems could lead to a release of radioactivity above federal guidelines outside the plant site.</td>
<td>Sirens will sound</td>
<td>Stay tuned to an Emergency Alert System radio or television station to find out if you need to take protective action, such as staying indoors or leaving the area.</td>
</tr>
</tbody>
</table>

Incident levels could change

It's important to know that an incident at a nuclear power plant could change over a period of hours or days. Plant operators and government emergency planners would be in constant communication with each other. Plant operators may decide to change the classification level of the incident, depending upon the changing situation. The public would be informed of any changes in the incident so it's important to keep your radio or television on to get the latest news.

Resources for emergency planning

**EMERGENCY PLANNING**

Orange County  
www.co.orange.ny.us  
Putnam County  
www.putnamcountyny.com  
Rockland County  
www.rocklandgov.com  
Westchester County  
www.westchestergov.com  
New York State Emergency Management Office  
www.semo.state.ny.us  
Federal Emergency Management Agency  
www.fema.gov  
American Red Cross  
www.redcross.org  
Department of Homeland Security  
www.ready.gov

**NUCLEAR ISSUES**

International Atomic Energy Agency  
www.iaea.org  
U.S. Nuclear Regulatory Commission  
www.nrc.gov  
U.S. Department of Energy  
www.energy.gov  
Nuclear Energy Agency  
www.nea.fr

**RADIATION AND HEALTH**

International Agency for Research on Cancer  
www.iarc.fr  
National Institutes of Health  
www.nih.gov  
National Cancer Institute  
www.nci.nih.gov  
World Health Organization  
www.who.int/ionizing_radiation/en  
Radiation Effects Research Foundation  
www.refr.or.jp  
National Academies of Science  
www.nationalacademies.org

**FOR NON-EMERGENCY INFORMATION CALL:**

Orange County Department of Emergency Services  
1-800-942-7136  
Putnam County Bureau of Emergency Services  
1-800-942-1457  
Westchester County Office of Emergency Management  
1-800-942-1452  
Rockland County Office of Fire and Emergency Services  
1-800-942-1450  
New York State Disaster Preparedness Commission  
1-518-292-2312

**FOR EMERGENCY INFORMATION:**

Sign up for NYAlert  
www.nyalert.gov
How do government officials make decisions during an emergency at Indian Point?

State and county emergency planners, supported by hundreds of highly trained safety experts, police, firefighters and other first responders have developed extensive procedures for an emergency that might occur at Indian Point.

If an emergency were to occur, the county executives in the four counties surrounding Indian Point (Westchester, Rockland, Putnam and Orange) would receive information directly from the nuclear plant, as well as from county and state emergency staff and New York State health officials. During an emergency, the county executives maintain continuous communication with each other and with state and federal officials.

Together, government officials would decide what protective actions, if any, the public should take. Their decisions and instructions would be communicated to the public through the Emergency Alert System (EAS) broadcasts as well as through other news media.

Why would we be directed to “shelter-in-place” in some situations and evacuate in others?

Shelter-in-place and evacuation are two possible protective actions that you may be instructed to take during an emergency. The goal of protective actions is to minimize the public’s exposure to a radiological release. Elected officials will decide what specific protective actions are best for the public to take. They consider a wide range of expert advice and information, including data on the amount and duration of the release, wind direction and weather conditions. The actions of sheltering-in-place or evacuation each have advantages depending upon the situation.

How could an evacuation succeed when traffic often doesn’t move even during rush hour?

If there is an emergency, there is likely to be heavy traffic leaving the area. Police and other emergency personnel are trained in traffic control. They will do what is needed to keep traffic moving in any emergency. In addition, traffic control points staffed by law enforcement personnel are planned along main evacuation routes to promote traffic flow.
Questions and answers

**Would all areas be evacuated at the same time?**
In most instances, only people living in specific areas would be told to evacuate. Therefore, it is most important for people to follow directions from public officials carefully to ensure a successful evacuation.

Because of road conditions and population density it is vital that people do not evacuate unless they are instructed to. Unnecessary evacuation could cause greater congestion on the roads and put people in those areas that are being instructed to leave at risk.

**What Is radiation?**
Radiation is energy, such as heat, light and radio waves, that moves at high speed through space or matter. One type of radiation is produced by so-called radioactive materials.

At every one of our country’s more than 100 nuclear power plants, every safety precaution is

**How can we measure our exposure to radiation?**
Radiation can be easily measured with various instruments, including Geiger counters. During emergencies, the county dispatches field teams with specialized equipment to measure radiation levels.

**Can a nuclear power plant explode like a nuclear bomb?**
No. Radioactive fuel in a nuclear plant has very low levels of the type of element that could cause a nuclear explosion.

All nuclear power plants in the U.S. are designed with containment buildings of concrete and steel. The 1986 accident at Chernobyl, Ukraine occurred in a nuclear plant that did not have a containment building.

Sources of Radiation Exposure in the United States

For more information, visit the website of the U.S. Nuclear Regulatory Commission: [www.nrc.gov](http://www.nrc.gov)

For any additional questions you may have please call your county’s emergency services office.
Community Emergency Planning Glossary

Camp Reception Center — A location outside the Emergency Planning Zone (EPZ) where campers and staff from resident summer camps and day camps in Harriman State Park would be transported as a precaution. The Camp Reception Center in Orange County is Warwick Valley High School, 89 Sanfordville Road in Warwick.

EAS-Emergency Alert System — Specially designated radio and TV stations that will broadcast safety information in the event of an emergency. EAS stations are listed on page 3.

Emergency Sirens — There are sirens placed within the 10-mile radius of Indian Point. In the event of an emergency at Indian Point the sirens would sound for four minutes in a continuous high-pitched, loud and steady tone.

EPZ — Emergency Planning Zone — The area designated by the federal government within a 10-mile radius of a nuclear power plant for which plans have been put in place to protect people in the event of a radiological emergency.

In Orange County, only a relatively small portion of the county is actually in the EPZ. This may be generally described as the area south of Angola Road in the Town of Cornwall and east of the NYS Thruway (closer to Hudson River).

Evacuation — A protective action meant to prevent or reduce exposure to radioactive materials. In an evacuation, you would be instructed by your County officials to leave your home or business and go outside the Emergency Planning Zone (EPZ). Past experience with many actual evacuations (e.g. hurricanes and hazardous materials) indicate that many people choose to go to the home of a relative or friend, or to a hotel or motel outside the area.

General Population Reception Center — A location outside of the Emergency Planning Zone (EPZ) where people who have evacuated can go for assistance. At the General Population Reception Centers, evacuees would receive initial assistance, including personal monitoring for radiation contamination, receive KI (potassium iodide), first aid or directions either to a place to stay or a medical facility. You can find your General Population Reception Center on the map in the center of this booklet.

High Speed Telephone Alerting — County officials may use a high-speed telephone alerting system for emergency notifications. When the sirens sound, the telephone alerting system may be activated for phones within the County’s portion of the Indian Point EPZ to alert you to important public health and safety information that would be broadcast over your local Emergency Alert System (EAS) radio or television station. If you are notified by telephone please listen to the entire message.

Incident Levels — The federal government has designated four classifications for incidents at nuclear power plants. Each classification corresponds to the degree of seriousness of an incident. See page 17 for details.

KI — The chemical symbol for a drug called potassium iodide. KI only protects the thyroid gland from one kind of radiation — radioactive iodide. It can be obtained through your County Health Department and kept on hand in your home. KI is also available over the counter (without a prescription) at local pharmacies. In the event of a nuclear emergency, you could be instructed to ingest one dose of KI (potassium iodide).

Protective Action — Any action taken to protect the public’s health and safety in response to an emergency. Protective actions in a radiological emergency could include shelter-in-place, evacuating the area and/or ingesting KI (potassium iodide).

Radiological Emergency — an emergency where radioactive materials in significant concentrations escape into the environment. If the concentrations of the materials are high enough, they could be dangerous to health.

Radioactive Release — Introduction or leak, of any radioactive materials into the environment.

School Reception Centers — Schools outside of the Emergency Planning Zone (EPZ) where school children are relocated during a radiological emergency. If children are in school during an incident, they will be taken by bus to a School Reception Center as a precautionary action, your children will be cared for at this Center.

The school reception center for Orange County is South Jr. High School, 33-63 Monument St., Newburgh, NY.

Shelter-in-Place — This is a protective action where you are instructed to stay indoors with windows and doors tightly shut and all ventilation systems turned off. Under certain circumstances, this is a better way to limit exposure to radioactive materials.
Evacuation supplies checklist

If you are told to evacuate, you should bring enough personal supplies for three days away from home. Check the items you may need, and add any special items that are not listed. If you need help finding a place to stay during an evacuation, people staffing the General Reception Centers will help you.

### MEDICAL ITEMS
- Medicines
- Prescription information (doctor, name of medicine...)
- Eyeglasses or contacts
- Dentures
- Special diet foods
- ____________
- ____________

### BABY SUPPLIES
- Baby food
- Formula
- Diapers/baby wipes
- Toys
- ____________
- ____________

### CLOTHING
- Clothes for three days
- Shoes
- ____________
- ____________
- ____________
- ____________

### PERSONAL HYGIENE ITEMS
- Shaving items
- Soaps
- Toothbrush/toothpaste
- Sanitary items
- ____________
- ____________
- ____________

### MEDICINE
- ____________
- ____________

### BABY SUPPLIES
- Baby food
- Formula
- Diapers/baby wipes
- Toys
- ____________
- ____________

### BEDDING
- Two blankets per person or sleeping bags
- ____________
- ____________

### MISCELLANEOUS
- Portable radio with spare batteries
- Flashlights with extra batteries
- KI-potassium iodide tablets
- Important phone numbers
- This planning booklet
- Bottled water
- Medical insurance card

### MONEY
- Cash
- Checkbook
- Credit cards
- ____________
- ____________

### OTHER EMERGENCY ITEMS
- ____________
- ____________
- ____________
- ____________
- ____________
- ____________
A MESSAGE FROM COUNTY EXECUTIVE EDWARD A. DIANA

Dear Orange Resident:

Keeping you and your family safe is a responsibility we take very seriously in Orange County. To ensure your health and security, we have put in place emergency planners and emergency service workers who are expertly trained and ready to assist all families of Orange County in the event of any emergency.

One element of the effort to safeguard county residents has been the creation of this booklet. It was developed to provide you and your family with crucial information should an emergency ever occur at Indian Point. If there is an emergency, you will be given instructions based on the town or village where you live or work.

As County Executive, there is no greater role than that of keeping you and your families protected. I urge you to take the time to read through the material in this booklet with your family and fill out the areas that are pertinent to you.

Keep your filled-out booklet handy. It will help keep you and your family safe in the unlikely event of an emergency at Indian Point.

Sincerely,

Edward A. Diana
Orange County Executive