WATTS BAR

2019

EMERGENCY INFORMATION: STATE OF TENNESSEE, MCMINN COUNTY EMERGENCY MANAGEMENT AGENCY, MEIGS COUNTY EMERGENCY MANAGEMENT AGENCY, RHEA COUNTY EMERGENCY MANAGEMENT AGENCY, TENNESSEE VALLEY AUTHORITY

TVA

tva.com/prepare

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FOR QUESTIONS ABOUT THIS MATERIAL

During emergency operations, additional telephone numbers will be published and broadcast over the Emergency Alert System (EAS).

Tennessee Valley Authority

423-365-1574
(inside local calling area)

800-467-1388
(outside calling area)

McMinn County Emergency Management Agency

423-744-5256 or 423-744-5279

Meigs County Emergency Management Agency

423-334-3211

Rhea County Emergency Management Agency

423-775-2506

Tennessee Emergency Management Agency (NON-EMERGENCY)

615-741-0001 or 800-262-3300

For alternate formats of this document, call 865-632-6824 and allow five workdays for processing.

Dear Watts Bar Neighbor,

As in the past, the Tennessee Valley Authority, the state of Tennessee and your local emergency management agency have provided you with a calendar that contains important information about Watts Bar Nuclear Plant.

This calendar contains updated information reflecting additions and changes over the past year. This information will help you better understand Watts Bar and the emergency plans that have been developed for your protection. Please keep the calendar in a convenient place and readily available. Any previous calendars or brochures concerning emergency information or instructions about Watts Bar should be discarded.

We realize that some Watts Bar neighbors would require special assistance in the unlikely event of an emergency at the plant. Therefore, we have included a card for you to fill out and return if such assistance is needed. For your convenience, the card has been pre-addressed, and the postage has been paid. In order for emergency officials to maintain a current list of persons who would need assistance, this card must be returned immediately, even though you may have sent a card from a previous calendar or brochure.

If you have any questions about this material, please call one of the numbers listed on this page, and we will be glad to answer them for you.

Paul Simmons
Site Vice President
Watts Bar Nuclear Plant
Tennessee Valley Authority

Patrick C. Sheehan
Director
Tennessee Emergency Management Agency
State of Tennessee

Now complete and under commercial operation, the second unit at Watts Bar Nuclear Plant is officially the first new nuclear generation of the 21st century in the United States – generation that is low-cost and carbon-free.

Combined with Watts Bar Unit 1, the plant supplies power to roughly 1.3 million homes in the TVA service area.

Read more about Watts Bar Unit 2 and the process by which it was brought online at: https://www.tva.gov/Newsroom/Watts-Bar-2-Project.

The Prompt Notification System

We expect Watts Bar Nuclear Plant to operate safely. However, if an emergency occurs at the plant, TVA will inform state officials at once.

In-depth emergency plans have been prepared by TVA, the state of Tennessee and your local emergency management agency. These plans are in place to protect your health and safety, and this calendar is a part of those plans because we want you to be prepared, know what the sirens mean and know what you should do if you hear them.

If needed, the Prompt Notification System will be activated quickly to inform the public of any potential threat. The Prompt Notification System uses sirens and tone-alert radios to notify the public to tune their radios or televisions to an Emergency Alert System (EAS) station. The EAS station will provide information and emergency instructions for the public to follow.

The Emergency Alert System includes local radio and television stations, NOAA weather radio and the cable-TV interrupt system. Fixed sirens provide coverage out to approximately 10 miles around Watts Bar. If you hear the sirens, tune to a local radio or television station for news and instructions.

The sirens and other warning systems are operated by the Tennessee Emergency Management Agency (TEMA) and may be used to warn residents of an emergency other than an incident at Watts Bar. For example, the sirens may be used to warn the public of floods, tornadoes or other natural or man-made disasters.

If you note a problem with one of the sirens, please notify your county or state emergency management agency using the number listed on page 1.

Nixle Community Information Service

The Tennessee Emergency Management Agency (TEMA) is adopting an online messaging service to enhance its ability to provide public warnings in a timely fashion. This will not replace the Prompt Notification System, but will supplement our current ability to keep the public informed.

Nixle is a free, secure online messaging system that will allow TEMA to provide information to residents instantly via cell phone text message, website and/or email. Subscribers can choose the way they would like to receive alerts.

There is NO spam and NO hidden cost. Standard text messaging rates do apply for cell phone messages.

When citizens receive information from our agency via Nixle, they know it can be trusted.

Nixle is a community information service provider created exclusively to provide secure and reliable communications. It is the first authenticated and secure service that connects government agencies and residents in real time by delivering information to geographically targeted consumers over their cell phones (via text messages), by email and via the website.

To register or customize your alerts:

- Log in to www.nixle.com and follow instructions provided.

You will now instantly receive alerts and messages sent by TEMA that affect the locations you have selected.

If you hear the sirens

Check it out – it could be only a test. Siren tests occur in your area on the first Wednesday of each month at noon. If there is severe weather in the area at the time of a scheduled test, the sirens may not be tested.

Remember: Hearing a siren or tone-alert radio does not mean you should evacuate. It means turn on your radio or television and listen for instructions.

Tune to your local radio or television station and listen for details. WUSY-FM (100.7) in Chattanooga and WIVK-FM (107.7) in Knoxville are the primary and alternate EAS stations in the area and are monitored by other stations. A real warning could mean fire, tornado, chemical spill, nuclear incident or other emergency.

Most radio and television stations in the area participate in the EAS and will be making announcements. NOAA weather radio (162.55 MHz) will instruct listeners to tune to one of these stations.

Check on your neighbors.

Do not use the phone unless absolutely necessary. The phone lines need to be open for emergency workers. Do not call 911 for information if you hear the sirens.

If the warning involves an incident at Watts Bar, you might be advised to go indoors and close all windows, doors and other sources of outside air. You may be advised to monitor and prepare or you may be advised to leave (evacuate) your area. See additional information at the right.

If told to "Go Inside – Stay Inside"

This means go inside the nearest safe building or structure (building, home or business) and stay inside until further notification.

If you are advised to take shelter indoors

- Go indoors and stay there.
- Close all doors and windows.
- Shut off all systems that draw outside air into the house such as furnaces, air conditioners, fireplace vents and dampers.
- Stay tuned to your local EAS radio or television station. Emergency officials will be providing information and instructions over these stations.
- The primary and alternate EAS stations for the area are WUSY-FM (100.7) and WIVK-FM (107.7).
- Prepare to evacuate.
- If you must go outside, protect your breathing. Place a damp cloth or towel over your nose and mouth.
- If you are told that it is safe to go outside, try to check on your neighbors. They may not have heard the announcements.
- Do not use the phone unless you have a special emergency and need help. Leave the lines open for official business.

If you are advised to monitor and prepare

This is a precautionary action to advise the public within the Emergency Planning Zone (EPZ) that a serious emergency at the nuclear plant exists and you should monitor the situation and prepare for the possibility of evacuation, sheltering in place or taking other protective actions.

If you are asked to leave (evacuate) the area

- Stay calm and do not rush. Evacuation can work properly and reduce your risk only if you act safely and calmly.
- Take a few items with you. Gather personal items you or your family might need, using the checklist on page 7.
- Turn off lights, appliances and water.
- As you leave, lock your house and tie a white cloth or white towel on your front door. This sign will let emergency workers know that everyone in your home has left the area.
- Please leave your pets at home with plenty of food and water. Pets will NOT be allowed in the public shelters.
- Use your own transportation or, if possible, make arrangements to ride with a neighbor. Keep car windows and air vents closed and listen to an EAS radio station.
- Use the map on page 4 of this booklet to find the sector in which you live and the evacuation route you should follow. Write this information in the space provided next to the map.
- Follow the evacuation routes shown on the map. If you need a place to stay, shelter information points will be located along the controlled evacuation routes.

If an evacuation is underway, members of the public who are NOT directed to evacuate should remain off the roadways to allow the evacuation to proceed.

While you are away

- Local police officers will secure the evacuated areas to protect homes and businesses.
- ONLY authorized persons will be allowed into the evacuated areas.
- Officials of the Tennessee Department of Radiological Health will monitor affected areas. You will be notified when it is safe to return home.

Watts Bar evacuation map and routes

If an evacuation is ordered, it is important that you follow the evacuation routes shown on the map.

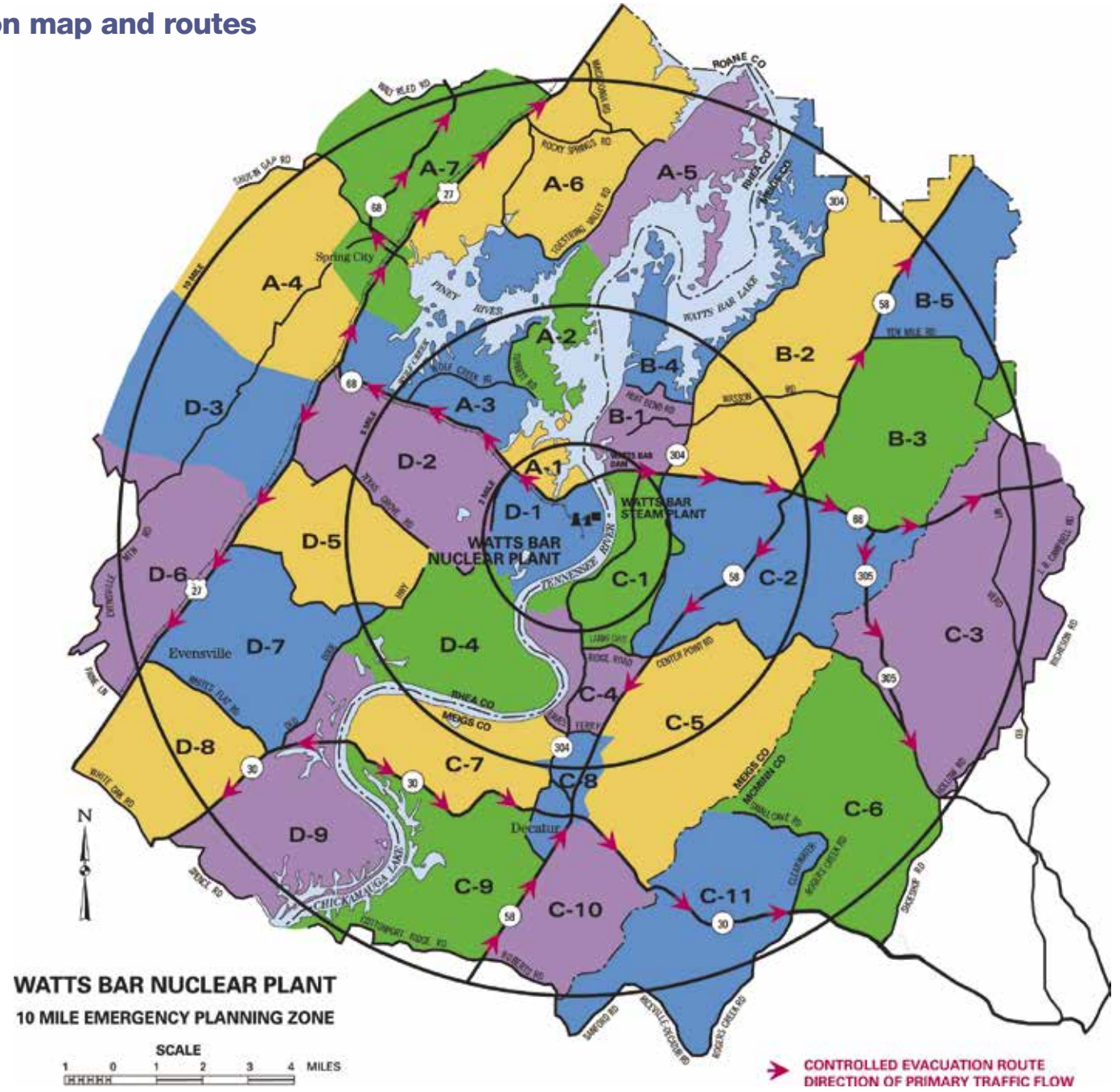
The 10-mile Emergency Planning Zone (EPZ) is divided into sectors. For quick reference, locate the sector in which you live or work and write it in the space below.

The evacuation routes for each sector are described on page 5. If an evacuation is ordered, locate the number for your sector and follow that route. Emergency workers will patrol these roads and will provide any aid or guidance you need.

Note: Individuals in doubt as to sector of residence or work should contact their local emergency management agency.

My sector number is:

HOME	WORK



Controlled evacuation routes

Controlled evacuation routes are established for the purpose of helping the traffic flow. These routes will be patrolled by law enforcement officers and traffic-assist teams. In addition, if you are not familiar with the area or your shelter assignment, shelter information points will be set up on each route to assist in getting you to your assigned shelter. The controlled evacuation routes are indicated by arrows on the map on page 4 and are as follows:

U.S. Highway 27
North from the intersection of State Route (SR) 68 into Roane County and south from the intersection into Hamilton County.

State Route (SR) 68
West from the Tennessee River to U.S. 27; north from Spring City into Cumberland County and east from the river to I-75.

SR 58
North from the intersection of SR 68 into Roane County; south from the intersection of SR 68 to SR 30, then east on SR 30; north from Cottonport Ridge Road/Roberts Road to SR 30, then east on SR 30.

SR 30
West from the Tennessee River to U.S. 27; east from the Tennessee River into Athens.

SR 305
South from the intersection with SR 68 to SR 30 in Athens.

McMinn County evacuation routes

C-3, C-6, C-11

To: McMinn Central High School (McMinn County)
Take the most direct route from your location, following evacuation signs on secondary roads, to SR 68, SR 30, or SR 305; go east on SR 68 to I-75; south on I-75 to SR 30; south on SR 305 to SR 30; east on SR 30, through Athens to Etowah; turn left at the intersection of U.S. 411 and SR 30; go two miles to the school on the right.

Meigs County evacuation routes

B-1, B-2, B-3, B-4, B-5

To: Roane State Community College (Roane County)
Take the most direct route from your location, following evacuation signs on secondary roads, to SR 58; go north on SR 58 into Kingston; turn left at the intersection of U.S. 70 and SR 58 and go seven miles to the college, which is on the right at 276 Patton Lane.

C-1, C-2

To: McMinn Central High School (McMinn County)
Take the most direct route from your location, following evacuation signs on secondary roads, to SR 68; go east on SR 68 to SR 305 or I-75; go south on SR 305 or I-75 to SR 30; go east on SR 30, through Athens to Etowah; turn left at the intersection of U.S. 411 and SR 30; go two miles to the school on the right.

C-4, C-5, C-7, C-8, C-9, C-10

To: McMinn Central High School (McMinn County)
Take the most direct route from your location, following evacuation signs on secondary roads, to SR 30; go east on SR 30 through Athens into Etowah; turn left at the intersection of U.S. 411 and SR 30; go two miles to the school on the right.

Rhea County evacuation routes

A-1, A-2, A-3, A-5, A-6

To: Roane State Community College (Roane County)
Take the most direct route from your location, following evacuation signs on secondary roads, to U.S. 27; go north on U.S. 27 through Rockwood to Harriman. Turn right to the college, which is located at 276 Patton Lane.

A-4, A-7

To: Cumberland County High School (Cumberland County)
Take the most direct route from your location, following evacuation route signs on secondary roads, to SR 68; go north on SR 68 into Cumberland County, through Homestead on SR 68/U.S. 127 into Crossville; turn left at the intersection of SR 68/U.S. 127 and SR 392 (Miller Avenue), go about 1.5 miles to the second traffic light (intersection of SR 392 and Stanley Street); turn left on Stanley Street to the school on the right.

D-1, D-2, D-3, D-4, D-5, D-6, D-7, D-8, D-9

To: Soddy-Daisy High School (Hamilton County)
Take the most direct route from your location, following evacuation signs on secondary roads, to U.S. 27; go south on U.S. 27 into Soddy-Daisy; turn left at the intersection of Sequoyah Access Road and U.S. 27 and go about 1/2 mile to the school at 618 Sequoyah Access Road.

School pairings for relocation

If an incident involving an actual or potential radiological release occurs at Watts Bar Nuclear Plant, first consideration will be given to the safety of children.

If a Site-Area Emergency is declared at the plant (see page 8, “How emergencies are classified”), students in the 10-mile EPZ will be relocated to paired schools in a safe area. Children will be under the supervision of school officials at all times during and after the movement.

To allow school officials to move the children quickly and safely, without causing unnecessary delay, do not attempt to pick up children at the schools once the relocation order is issued.

A list of schools in the EPZ and the paired schools where the children will be taken is provided below. (Sector location is given in parentheses.)

McMinn County Schools

E.K. Baker School (C-6)
Relocated to: McMinn Central High School, Etowah, TN

Meigs County Schools

Meigs North Elementary School (C-2)
Relocated to: McMinn Central High School, Etowah, TN

Head Start North (C-2)
Relocated to: McMinn Central High School, Etowah, TN

Meigs County High School (C-8)
Relocated to: McMinn Central High School, Etowah, TN

Meigs Middle School (C-8)
Relocated to: McMinn Central High School, Etowah, TN

Rhea County Schools

Spring City Elementary School (A-7)
Relocated to: Cumberland County High School, Crossville, TN*

Spring City Middle School (A-7)
Relocated to: Cumberland County High School, Crossville, TN*

Rhea County Middle and High School (D-6)
Relocated to: Soddy-Daisy High School, Soddy-Daisy, TN

Rhea County Childcare Facilities

Cedine Bible Camp (A-5)
Relocated to: Harriman High School, Harriman, TN

Rhea County Alternative School (D-6)
Relocated to: Soddy-Daisy High School, Soddy-Daisy, TN

Rhea County Alternative School II (D-6)
Relocated to: Soddy-Daisy High School, Soddy-Daisy, TN

Rhea County Preschool (D-6)
Relocated to: Soddy-Daisy High School, Soddy-Daisy, TN

Sequatchie Valley Head Start (A-7)
Relocated to: Cumberland County High School, Crossville, TN

Spring City Christian Kiddie Academy (A-7)
Relocated to: Harriman High School, Harriman, TN

*Spring City Elementary School and Spring City Middle School relocate via Highway 27 North / I-40 West to Cumberland County High School in Crossville, TN

If you need special help

Your health and safety are important. Therefore, special plans must be made to assist and care for persons who are medically disabled or handicapped.

If you or someone you know lives within 10 miles of Watts Bar and needs special help, please fill out and mail the card provided in this calendar. The card is pre-addressed and postage-paid and must be mailed as soon as possible so adequate arrangements can be made.

Please fill out and return this card even though you may have returned the card from a previous brochure or calendar.

This will enable your emergency officials to maintain a current list of all persons who would need assistance.

After you have answered all the questions, drop the card in a mailbox.

If you have any questions or need additional cards, you can contact emergency management officials listed in the front of this publication.

Dial 711 for TTY/Relay Service.

For farmers and home gardeners

If a major incident happens at Watts Bar Nuclear Plant, the Tennessee Department of Agriculture will issue periodic information concerning the safety of using homegrown products.

You should stay tuned to an EAS station for these announcements. Information on actions you can take to protect crops and livestock is available from your county agricultural extension agent.

Your crops

- An unharvested crop is hard to protect. But normal harvesting and processing may still be possible if time permits.
- Crops already harvested will be safer if they are stored inside.
- You should wash and peel vegetables and fruits from your garden before use if they were not already harvested.

To protect your livestock

- Provide as much shelter as possible. If you do not have enough space in barns or sheds, use natural shelters such as wooded lots or culverts.
- Take care of milk animals first.
- Provide plenty of food and water and make sure shelters are well ventilated.
- Use stored feed when possible.

Emergency supplies checklist for your home

- ☐ First-aid kit
- ☐ Toolbox
- ☐ Candles and matches
- ☐ Potassium iodide tablets*
- ☐ Portable radio, flashlight, extra batteries
- ☐ _____

Evacuation supplies

- ☐ This calendar
- ☐ Medicine or any special medication
- ☐ Personal health products (shaving cream, toothbrush)
- ☐ Special diet food
- ☐ Blankets and pillows
- ☐ Cash, checkbook, credit cards, important papers
- ☐ Items for children (favorite toy, books)
- ☐ Change of clothing
- ☐ Potassium iodide tablets*
- ☐ _____

***Potassium iodide tablets –** In cases where you may be exposed to certain types of radioactivity, the Tennessee Department of Health may direct you to take potassium iodide (KI) tablets. These tablets, when taken as directed, may reduce the amount of radioactive iodine absorbed by your body's thyroid gland. Should an accidental release of radiation occur, KI will be available at all mass-care shelters. However, if you live within five miles of the plant and prefer to have it on hand, you can pick up a supply at the following locations: Rhea County Health Department, 344 Eagle Lane, Evensville, TN, 423-775-7819; or Meigs County Health Department, 389 River Road, Decatur, TN, 423-334-5185.

Any questions concerning potassium iodide should be referred to the health departments listed above.

General information

How emergencies are classified

If there is an incident at Watts Bar Nuclear Plant, it will be placed in one of four emergency categories from least serious to most serious. These four levels have been set by the United States Nuclear Regulatory Commission and adopted by the state of Tennessee and TVA.

The four emergency levels are described below in order from least to most severe.

1. **A Notification of Unusual Event** is the least serious. Because of strict federal laws, any event out of the ordinary is reported to federal, state and local authorities. The event poses no threat to you or to plant employees, but emergency officials are notified.

2. **An Alert** is declared when an event has occurred that could reduce the level of safety of the plant, but backup plant systems still work. Emergency agencies are notified and kept up-to-date, but no action by the public is necessary.

3. **A Site-Area Emergency** is declared when an event involving major problems with plant safety systems has progressed to the point that a release of some radioactivity into the air or water is possible. The sirens will be sounded. If they are, you should listen to radio and television stations for details.

4. **A General Emergency** is the most serious of the four classifications and is declared when an event at the plant has caused a loss of safety systems and is likely to lead to a release of radiation into the environment. State and local authorities will take action to protect residents living near the plant. People in affected areas will be advised to stay indoors or to evacuate.

Glossary

Background radiation – This is radiation from natural sources. It comes from the sun's rays and it's in the ground, building materials and the human body.

Core – The central part of a nuclear reactor that contains the uranium fuel.

Fission – The nuclear process in which a heavy atom, such as uranium, splits into fragments.

Fuel assembly – A collection of rods that contain the nuclear fuel pellets. The fuel pellets produce heat to make the steam used to generate electricity.

Fuel pellets – Thimble-sized uranium dioxide pellets used in nuclear power generation. Each pellet contains about the same amount of energy as that produced from burning 1 ton of coal. A modern reactor core may contain up to 17.5 million pellets.

Fuel rods – Hollow tubes that contain stacks of uranium dioxide fuel pellets. These rods are bundled together to form fuel assemblies.

Half-life – The time required for a radioactive substance to lose one-half of its radioactivity. Half-life can vary from minutes to years, depending on the substance.

What is radiation?

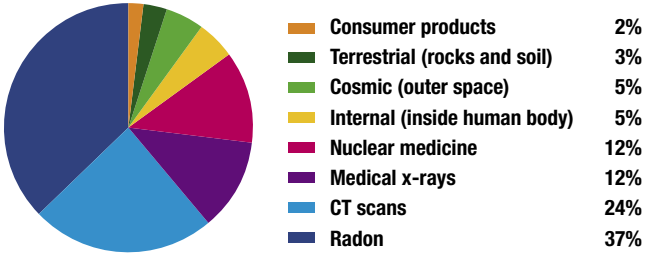
Radiation is energy traveling in the form of invisible particles or rays after the breakdown of radioactive atoms. Everyone is exposed to small amounts of radiation every day. Air, water, food and sunshine are a few sources of natural background radiation. The dose humans receive from radiation is commonly measured in "millirems." According to recent studies, the average radiation dose to a member of the public in the United States is about 620 millirems per year.

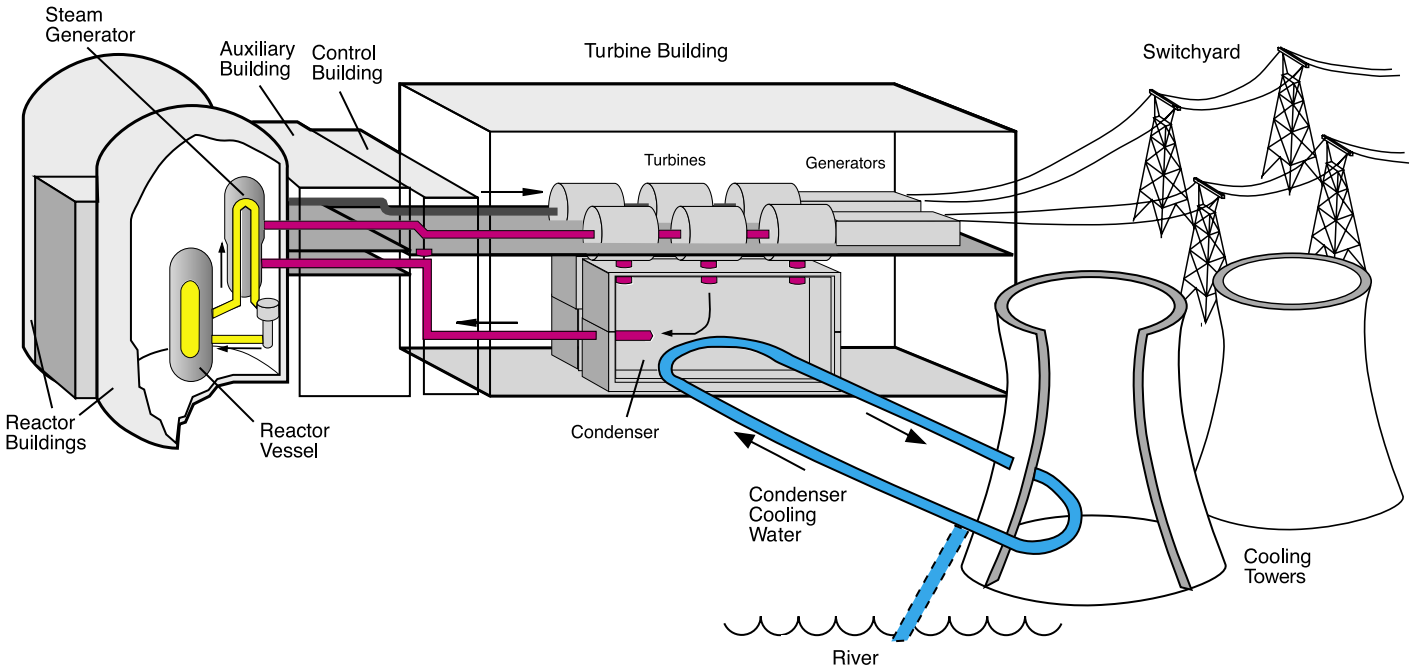
Radiation also comes from other sources. Color televisions produce about 1 millirem of radiation every year. Medical procedures such as x-rays and diagnostic tests can result in 20 to several thousand millirems of radiation a year, depending on a person's treatment for disease or injury.

People are concerned about radiation exposure because it can alter or damage human cell structure. That is why workers at nuclear power plants are carefully monitored and trained to limit their exposure to a level that is as low as is reasonably achievable. The Nuclear Regulatory Commission, which issues licenses to all nuclear power plants, has set a maximum safe individual dose of 5,000 millirems a year, measured over the entire body. To avoid coming even close to this level, TVA work procedures set an administrative limit of 1,000 millirems per year for any worker, with any additional dose requiring written approval.

A nuclear power plant's containment building, reactor vessel and fuel assemblies are barriers designed to contain radiation and protect plant workers and persons living near the plant from any exposures to elevated levels of radiation. Repeated surveys around TVA's operating nuclear plants have shown no detectable increase in radiation above normal background levels.

SOURCES OF RADIATION





How Watts Bar works

Watts Bar operates much like a fossil-fueled power plant, with one major difference. In a fossil plant, coal, oil or gas is burned to make heat. The heat turns water into steam, the steam drives a turbine and the turbine spins an electrical generator, producing electric power.

The operation is the same at Watts Bar, except the heat is provided by a process called fission. The fuel for Watts Bar is uranium, which is made into pellets and sealed inside long metal tubes, called fuel rods. These rods are placed into the reactor vessel, making up the fuel core. In addition, some rods are designed to collect tritium for use by the U.S. Department of Energy.

When a uranium atom is struck by a small particle called a neutron, it can split (fission), giving off heat and more neutrons. Those neutrons can strike other uranium atoms, causing them to split and continue the chain reaction. The reaction is started and stopped by substances that absorb neutrons. Control rods are made of material that absorbs neutrons and can be moved in and out of the fuel core. When inserted into the core, they stop the chain reaction.

It is physically IMPOSSIBLE for the nuclear fuel at Watts Bar to explode like a nuclear bomb. The fuel for Watts Bar and most other nuclear power plants is only about 3 percent to 5 percent fissionable uranium. Nuclear weapons contain in excess of 90 percent fissionable uranium. Thus, there is not enough fissionable material for an explosion. The illustration above shows how the heat from the fission process is used to make steam and generate electricity at Watts Bar.

In the primary loop (yellow), water is pumped through the reactor core and is heated. The water is kept under high pressure to prevent it from boiling. The heated water is pumped to a steam generator, where the heat is transferred to a secondary loop of water. The water in the secondary loop (pink) boils to produce steam. The steam is piped to the turbines. The force of the expanding steam drives the turbines, which spin a magnet in a coil of wire (the generator) to generate electric power.

After passing through the turbines, the steam is converted back to water by circulating it around tubes carrying cool water from Chickamauga Reservoir (blue). The condensed steam – now water – is pumped back to the steam generator to repeat the cycle.

The condenser cooling water is passed through the cooling towers before being recycled through the plant. The three water systems are separate from each other. Most important, the radioactive water in the primary loop is not permitted to mix with the other nonradioactive water systems.

DECEMBER

2018

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
NOVEMBER 2018 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	JANUARY 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31					1
2 HANUKKAH BEGINS	3	4	SIREN TESTING 5	6	7	8
9	10 HANUKKAH ENDS	11	12	13	14	15
16	17	18	19	20	21 FIRST DAY OF WINTER	22
23	24 CHRISTMAS EVE	25 CHRISTMAS DAY	26	27	28	29
30	31 NEW YEAR'S EVE					

DECEMBER 2018

JANUARY

2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1 NEW YEAR'S DAY	SIREN TESTING 2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21 MARTIN LUTHER KING JR. DAY	22	23	24	25	26
27	28	29	30	31	DECEMBER 2018 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	FEBRUARY 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

JANUARY 2019

FEBRUARY

2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5	SIREN TESTING 6	7	8	9
10	11	12 LINCOLN'S BIRTHDAY	13	14 VALENTINE'S DAY	15	16
17	18 WASHINGTON'S BIRTHDAY PRESIDENTS' DAY	19	20	21	22	23
24	25	26	27	28	JANUARY 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	MARCH 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

FEBRUARY 2019

MARCH

2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
FEBRUARY 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	APRIL 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30				1	2
3	4	5	SIREN TESTING 6 ASH WEDNESDAY	7	8	9
10 DAYLIGHT SAVING TIME BEGINS	11	12	13	14	15	16
17 ST. PATRICK'S DAY	18	19	20 FIRST DAY OF SPRING	21	22	23
24 31	25	26	27	28	29	30

MARCH 2019

APRIL

2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	SIREN TESTING 3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19 GOOD FRIDAY PASSOVER BEGINS	20
21 EASTER	22 EARTH DAY	23	24 ADMINISTRATIVE PROFESSIONALS' DAY	25	26 NATIONAL ARBOR DAY	27 PASSOVER ENDS
28	29	30				

MARCH 2019

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

MAY 2019

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

MAY

2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
APRIL 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	JUNE 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30		SIREN TESTING 1	2	3	4
5 CINCO DE MAYO	6	7	8	9	10	11
12 MOTHER'S DAY	13	14	15	16	17	18 ARMED FORCES DAY
19	20	21	22	23	24	25
26	27 MEMORIAL DAY	28	29	30	31	

MAY 2019

JUNE

2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
MAY 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	JULY 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31					1
2	3	4	SIREN TESTING 5	6	7	8
9	10	11	12	13	14 FLAG DAY	15
16 FATHER'S DAY	17	18	19	20	21 FIRST DAY OF SUMMER	22
23 30	24	25	26	27	28	29

JUNE 2019

JULY

2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	SIREN TESTING 3	4 INDEPENDENCE DAY	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JUNE 2019

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

AUGUST 2019

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

AUGUST

2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
JULY 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	SEPTEMBER 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30			1	2	3
4	5	6	SIREN TESTING 7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

AUGUST 2019

SEPTEMBER

2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2 LABOR DAY	3	SIREN TESTING 4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23 FIRST DAY OF AUTUMN	24	25	26	27	28
29 ROSH HASHANAH BEGINS	30					

AUGUST 2019

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

OCTOBER 2019

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

OCTOBER

2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1 ROSH HASHANAH ENDS	SIREN TESTING 2	3	4	5
6	7	8 YOM KIPPUR BEGINS	9 YOM KIPPUR ENDS	10	11	12
13	14 COLUMBUS DAY	15	16 NATIONAL BOSS'S DAY	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31 HALLOWEEN		

SEPTEMBER 2019

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

NOVEMBER 2019

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

OCTOBER 2019

NOVEMBER

2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
OCTOBER 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	DECEMBER 2019 S M T W T F S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31				1	2
3 DAYLIGHT SAVING TIME ENDS	4	5	SIREN TESTING 6	7	8	9
10	11 VETERANS DAY	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28 THANKSGIVING	29	30

NOVEMBER 2019

DECEMBER

2019

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	SIREN TESTING 4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21 FIRST DAY OF WINTER
22 HANUKKAH BEGINS	23	24 CHRISTMAS EVE	25 CHRISTMAS DAY	26	27	28
29	30 HANUKKAH ENDS	31 NEW YEAR'S EVE				

NOVEMBER 2019

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

JANUARY 2020

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

DECEMBER 2019

Tennessee Valley Authority
Knoxville, Tennessee 37902-1401

PRESORTED STANDARD
U.S. POSTAGE PAID
TENNESSEE VALLEY
AUTHORITY

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