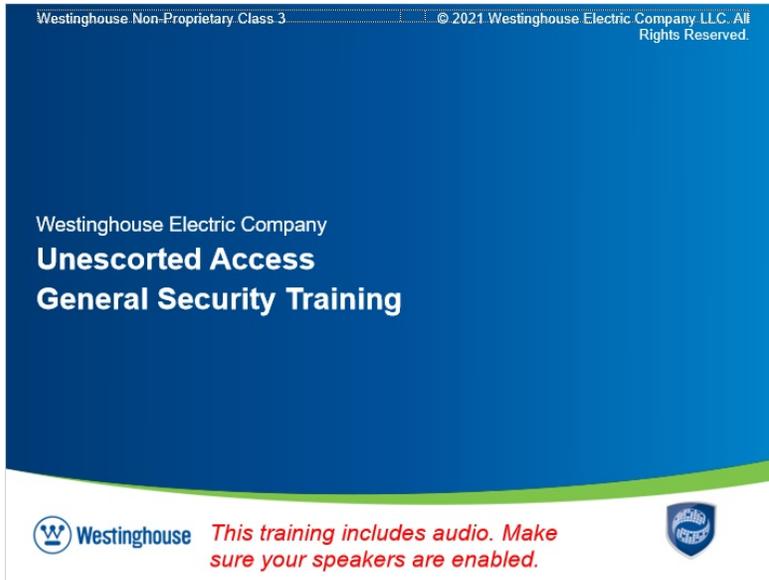


GeneralSecurityTraining

1. General Security Training

1.1 Welcome General Security Training



Notes:

Welcome to the Westinghouse Unescorted Access General Security Training. Note that some sites may have additional training requirements before unescorted access will be granted

1.2 Topics

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TOPICS

1. Physical Security
2. Intrusion Detection
3. Cameras
4. Credentialing
5. Visitors
6. Vehicle Operation
7. Property Entry Restrictions
8. Emergency Situations
9. Security Reporting
10. Consent to Inspection
11. Industrial Safety



Security



Notes:

The topics covered in this training are physical security, intrusion detection, cameras, credentialing, visitors to our Westinghouse locations, vehicle operations, property entry restrictions, emergency situations, reporting information to Security, consent to inspection and industrial safety.

1.3 Welcome to Westinghouse

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WELCOME TO WESTINGHOUSE

- All personnel are encouraged to be attentive to their surroundings at all times and report questionable items
- Failure to follow good Security practices may result in disciplinary action and loss of on-site privileges
- This training is to provide basic security awareness
- Completion is required for non-Westinghouse personnel authorized for unescorted access



Think Safe, Be Safe and Always Be On the Lookout for Others!



Notes:

Security and safety are extremely important to Westinghouse Electric Company. Our success is based on the everyday actions taken by all Westinghouse and non-Westinghouse personnel and no one plays a greater role in that than you! It is important to exhibit good situational awareness and report any questionable items. This training will provide basic security awareness initiatives and is required for non-Westinghouse personnel to receive unescorted access at our U.S. Westinghouse facilities.

1.4 Physical Security

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PHYSICAL SECURITY

- Westinghouse implements a layered approach to security
- This involves physical security officers at some locations and electronic and mechanical security measures
- Card access control devices and the installation of cameras are used to enhance security and safety
- Programmed access to secured areas requires authorization from both the area owner and Security



Physical Security



Notes:

Westinghouse implements a multilayered approach to physical security. This involves uniformed security officers at select Westinghouse locations in addition to electronic measures. Most Westinghouse sites have card access control devices along with camera system. The card access system enables Westinghouse to identify secure areas within the sites that requires approves from both the area owner and Security. Should you need access to these secure areas please reach out to global security for more information.

1.5 Intrusion Detection

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INTRUSION DETECTION

- Westinghouse uses Intrusion Detection Systems (IDS) at several sites to secure the facility outside of typical working hours, when personnel are not on site.
- These IDS systems are monitored by a third-party supplier to dispatch local law enforcement upon activation.
- Limited authorized personnel at each site can arm & disarm these systems.
- Some locations arm and disarm automatically on a daily schedule.



Intrusion detection systems are installed at certain Westinghouse locations



Notes:

At certain Westinghouse sites, electronic intrusion detection systems are in place to secure the facility outside of normal working hours. These systems are monitored by a third party supplier that will dispatch local law enforcement when activated. Sites have identified individuals who have the authority to arm and disarm these systems, while other sites are scheduled automatically.

1.6 Cameras

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CAMERAS

- At most Westinghouse locations, we deploy IP video solutions (camera and visual recording systems) to support security & operations and process functionality.
- Camera use provides surveillance to cover perimeter entry & exit points of sites and buildings.
- Recordings are used to support operations as an investigative tool.
- *NOTE: Cameras are not used as a surveillance mechanism for employee productivity.*



Use of IP Video Solutions



Notes:

Most U.S. Westinghouse sites deploy IP video solutions to provide surveillance on the perimeter and entry and exit points of a facility. The recordings are use for investigative purposes only. It is important to note that cameras are not used to monitor employee productivity.

1.7 Credentialing

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CREDENTIALING

- All personnel on site must possess a Security issued credential, which is required to be:
 - Worn and **visibly** displayed at all times
 - On the front of the body
 - On the outermost garment
- Only one valid credential will be issued per person
- The placement of any item that interferes with the clear presentation or operation of the credential is not permitted, i.e. stickers, pins, labels, markings
- Updating of any obsolete or damaged credential is required



Always Visibly Display Credentials



Notes:

All personnel on site must possess and visually display their Westinghouse issued security credential otherwise known as a badge. The badge should worn on the outermost garment between the collar and the waist. If wearing your badge around your neck poses a safety hazard as related to your job function, please reach out to your local site security or global security for alternative options. Only one badge will be provided to each employee, and a replacement will be provided if the original is lost, stolen, or damaged. Placement of any other item on the badge clip such as pens/stickers/other cards is not permitted.

All precautions should be taken to assure your credential is not lost or stolen. Immediately contact Security regarding any lost or stolen credential to prevent unauthorized use Never lend your issued credential or borrow another person's issued credential. Westinghouse security credentials are the property of Westinghouse and are required to be returned to Security upon change of employment status, i.e., resignation, retirement, termination, suspension or upon Security request.

1.8 Card Access – Use and Operation

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CARD ACCESS – USE AND OPERATION

- Card access systems improve the protection of people and property at our Westinghouse sites using the latest security and badging technology.
- The system will require you to badge in and badge out of each building every time you enter/leave, and at any interior doors that require scanning your badge to enter and exit.
- Note: The system is not a timekeeping system



Badge in and out when you enter & leave



Notes:

card access systems at our Westinghouse sites improves the protection of people and assets by using the latest badging technology. The system requires you to badge into the facility using your Westinghouse issued credential and additionally most sites also require you to badge out of the facility. The system is not a time keeping system but does provide for accountability measures if there is an emergency situation at the facility.

1.9 Restricted: Escort Required Visitors

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RESTRICTED: ESCORT REQUIRED VISITORS

- Visitors may include Westinghouse and non-Westinghouse personnel
- All non-photo credential issued visitors must sign in and out daily
- Visitors are only permitted in areas where they have business need
- Visitors are required to be made aware of Westinghouse security and safety requirements
- Transfer of an escorted visitor requires a mutual agreement between escorts as to escort requirements.



Escort = In Line of Sight at All Times



Notes:

Visitors to Westinghouse sites may include Westinghouse and non-Westinghouse personnel. A visitor may be any person that is not approved for unescorted access at that Westinghouse site. All non-photo credential holders are required to sign in and out daily to receive their temporary badge. Visitors are only permitted in authorized areas where they have a business need. It is the responsibility of the individuals escort to ensure their visitor is aware of all Westinghouse security and safety requirements. More information on general escort guidelines is next in this training course.

1.10 General Escort Guidelines

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GENERAL ESCORT GUIDELINES

Below are the general guidelines concerning your responsibilities with a photo credential to be an escort for visitors onsite.

- Escorts will serve as "full time escorts" to the exclusion of any other work assignment. If a transfer of escort duties is required, the individual assuming escort responsibility should also receive a briefing on the current status of the work activity.
- Escorts may be Westinghouse employees or non-Westinghouse personnel; however they must possess a site-specific unescorted access photo identification credential.
- Escorts shall not divert from any of the stipulated security terms, conditions or approved security plans without prior approval of site security.
- If vehicle entry is authorized, all vehicle inspection requirements will be followed and the most direct travel route will be utilized. Vehicle keys will be removed by the driver while the vehicle is unattended.
- "Escort-to-Visitor" ratio is based on the ability of the escort to properly control the visitors. Under no circumstances will this ratio exceed ten (10) visitors per escort.



Notes:

Please make sure that you read this and the next two slides in their entirety. If you receive a photo credential as a non-Westinghouse person, or if you are a Westinghouse employee with a photo badge, you are granted the authority to act as an escort. It is your responsibility to be aware and knowledgeable of the information presented here as an escort to visitors to Westinghouse sites. Understand that you may serve as a full time escort to the exclusion of any other work assignment, and you may not divert from any of the stipulated security terms or approved security plans without the approval of security. Vehicles may need to go through vehicle inspection requirements per site specific policy. Additionally important is that the escort-to-visitor ratio is maintained at no more than 10 visitors per 1 escort.

1.11 General Escort Guidelines (continued)

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GENERAL ESCORT GUIDELINES (CONTINUED)

- All escorted visitor personnel will be appropriately credentialed and under positive continuous control. Positive continuous control means that all visitors must be in visual and verbal control by the escort at all times.
- Escorts must be computer-security trained for visits requiring access to computer systems.
- All visits are subject to random inspections. Escorts found to be in non-compliance will be subject to appropriate disciplinary actions.
- In the event of an emergency situation, escorts will follow all approved site emergency procedures. Escorts and their visitors should evacuate the facility and proceed to a designated assembly area.
- Escorts must be aware of individuals they are escorting may have export control restrictions. This is indicated by a visitor credential displaying a red field around the "R". The credential is also noted "Export Controls May Apply". It is the responsibility of the escort to determine or seek assistance to determine the situations that would warrant this restriction.



Notes:

All escorted personnel will be properly credentialed with an escort required badge and must be maintained under your verbal and visual control at all times. Escorts must be computer security trained for visits requiring access to computer systems and all visits may be subject to random inspections. It is important to understand export control restrictions in cases where they would apply and to be cognizant of the work to be performed to eliminate any issues of compliance. In the event of an emergency, escorts will follow all approved site emergency procedures.

1.12 General Escort Guidelines (continued)

GENERAL ESCORT GUIDELINES (CONTINUED)

For Secure Areas

- If at any time during the visit, entry is needed into a secure area (for example data centers, data closets and those designated as needing a special clearance) the designated escort(s) and visitor(s) must possess authorization and/or a valid security clearance for that area. The designated escort must possess a site-specific photo identification security credential. Escorts are responsible for practicing "need-to-know" principles associated with the visit including physical and cyber security procedures and any additional guidance provided. Escorts must maintain visual line of sight and verbal control of a visitor(s) anytime a visit accesses a secure area.
- If at any time during the visit, the meeting or conversation involves proprietary information, the designated escort(s) and visitor(s) must possess a valid authorization. The designated escort must possess a site-specific photo identification security credential. Escorts are responsible for practicing "need-to-know" principles associated with the visit including physical and cyber security procedures and any additional guidance provided.



Notes:

If at any time during the visit, entry is needed into a secure area the designated escort(s) and visitor(s) must possess authorization and/or a valid security clearance for that area. If at any time during the visit, the meeting or conversation involves proprietary information, the designated escort(s) and visitor(s) must possess a valid authorization. Escorts are responsible for practicing "need-to-know" principles associated with the visit including physical and cyber security procedures and any additional guidance provided.

1.13 Vehicle Operation and Parking

VEHICLE OPERATION AND PARKING

- Parking is permitted only within designated parking stalls
- Designated visitor spaces may be allocated at some Westinghouse locations
- Be attentive to site vehicle and pedestrian traffic
- Disabled parking spaces are for those with state-issued license plates or hang tags only
- All vehicles brought on site shall be maintained in good repair and in accordance with state applicable motor vehicle requirements
- Notify Security of any overnight/long-term parking requirements or oversized vehicle parking requirements



Notes:

Vehicle operators are required to adhere to and obey all posted traffic signs, signals and posted speed limits and certain sites may require vehicles to visibly display a security issued parking permit. Parking is permitted only within designated parking stalls and designated visitor spaces may be allocated at some Westinghouse locations. Be attentive to site vehicle and pedestrian traffic. Note that pedestrians have the right-of-way in crosswalks. Notify Security of any overnight/long-term or oversized vehicle parking requirements

-
-

1.14 Prohibited Items and Activities

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PROPERTY ENTRY RESTRICTIONS

- The following items may not be brought on to any Westinghouse site:
 - Firearms and other weapons
 - Explosives
 - Incendiary Devices
 - Pets
 - Consumable Alcohol of any kind
 - Illegal drugs and associated paraphernalia
 - Any item prohibited by law



Prohibited Items



Notes:

Property entry restrictions otherwise known as prohibited articles, at a minimum include firearms and weapons, explosives, incendiary devices, pets, consumable alcohol of any kind, illegal drugs and associate paraphernalia, and any item prohibited by law. It is important to check your site location for specific restrictions. All site locations should have property entry restrictions posted at their entrances. s

1.15 Prohibited Items and Activities (continued)

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PROHIBITED ACTIVITY

- Smoking is not permitted inside any Westinghouse building
- Designated, exterior smoking areas are available at various locations throughout the site
- If assistance is needed in locating a designated smoking area, please ask your site sponsor



Smoking in Authorized Areas Only



Notes:

Smoking is not permitted inside any Westinghouse facility. There are designated, exterior smoking areas available at your assigned Westinghouse location.

1.16 Emergency Situations – Evacuation

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EMERGENCY SITUATIONS – EVACUATION

- At the sound of the building alarm, immediate evacuation through the nearest exit is mandatory
- Once outside, proceed away from the building to a designated assembly area or other safe distance of at least 200' from the affected building and stay off the roadways
- Re-entry is not permitted until instructed to do so
- Emergency Response Team (ERT) members will be identified to assist with the evacuation and re-entry when authorized



Walk, Don't Run, and Stay Alert

Notes:

At the sound of a building alarm, immediate evacuation through the nearest exit is mandatory. Consult with your site sponsor, or local EHS to understand the evacuation route and assembly areas for the site location. Once outside, proceed away from the building to a designated assembly area or other safe distance of at least 200' from the affected building and stay off the roadways. Re-entry is not permitted until the area is safe and you are instructed to do so.

1.17 Emergency Situations – Fire

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EMERGENCY SITUATIONS – FIRE

- In the event you see a fire or smoke from a fire:
 - Activate the nearest wall-mounted pull station
 - Call 9-1-1 from any site phone
 - Report the location and brief extent of the fire
 - Evacuate the building



Activate – Evacuate – Call



Notes:

For fire emergencies, it is important that if you see a fire or smoke from a potential fire, that you activate the nearest wall-mounted pull station. Dial 9-1-1 from any site phone to report the location of the emergency. Evacuate the facility as quickly as possible.

1.18 Emergency Situations – Active Threat

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EMERGENCY SITUATIONS – ACTIVE THREAT

In an active threat situation, you should quickly determine the most reasonable way to protect your own life. Know the plan of action – **Run. Hide. Fight.**

- If there is an escape path, **RUN.**
 - Evacuate whether or not others agree to follow and leave belongings behind.
 - Help others escape, if possible and prevent others from entering the area.
 - Call 9-1-1 when safe to do so.



 **Run. Hide. Fight.**

Notes:

Active threat situations can happen anywhere and it is important to know the steps to protect yourself. These are tragic situations that can cause understandable anxiety and questions for all of us - especially when they occur in places where we frequent regularly. These unsettling circumstances may prompt questions about protecting ourselves and being prepared to take appropriate actions if caught in a similar situation. Knowing the plan of action -- Run, hide, fight should be the simple steps you need to take for protection. If there is an escape path, you need to run. evacuate the area whether others agree to follow and leave any belongings you have behind. Help others escape only if it is safe. Call 9-1-1 when you have made to a secure and safe area.

1.19 Emergency Situations – Active Threat (cont.)

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EMERGENCY SITUATIONS – ACTIVE THREAT (CONT.)

- If evacuation is not possible, find a place to **HIDE**.
 - Be out of the line of sight
 - Provide protection if shots are fired in your direction.
 - Do not trap yourself or restrict your options for movement.
 - Lock and blockade the door with heavy furniture or office equipment.
 - Silence your cell phone and electronic devices.
 - Turn off any source of noise (radios, TV, computers).
 - If there are two or more of you, spread out. Do not huddle together. Quietly develop a plan.



Notes:

If evacuation is not possible, find a place to hide. be out of the shooter's view and find ways to protect yourself if shots are fired in your direction. Lock and blockade doorways with heavy furniture, silence your cell phone and turn off any other sources of noise. If there are two or more of you, spread out and develop a plan .

1.20 Emergency Situations – Active Threat (cont.)

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EMERGENCY SITUATIONS – ACTIVE THREAT (CONT.)

As a last resort, **FIGHT**.

- Act with physical aggression.
- Throw items and improvise weapons
- Yell.
- Commit to your actions.



These situations evolve quickly; therefore, quick decisions could mean the difference between life and death. If you are in harm's way, you will need to decide rapidly what the safest course of action is based on the scenario that is unfolding before you.

Run. Hide. Fight



Notes:

As a last resort, fight! Act with physical aggression, throw items and improvise weapons. Commit to your actions. If you are in harms way, you will need to make quick decisions on the best course of action. Quick decisions could mean the difference between life and death.

1.21 Report to Security

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REPORT TO SECURITY

- Any person not wearing a Security-issued credential
- Personnel involved in activities away from their assigned work area, or unauthorized personnel in a secure area
- Any person damaging equipment or products
- Any item that is lost, suspected of being taken or that cannot be located
- Unauthorized personnel removing documents or equipment from printers, mail boxes, offices and cubicles, trash cans or dumpsters
- Anything or anyone that looks or feels out of place

Report
SUSPICIOUS
Activity



When in doubt, report it

Notes:

Promoting good situational awareness at a Westinghouse site is important for the safety and security of yourself and others. Report to security any person not wearing a Westinghouse-issued credential. Also, any personnel who look suspiciously out of place, away from their assigned work area, or potentially damaging equipment or products. Security should also be notified if there is a lost or stolen item, or unauthorized personnel removing items from a Westinghouse facility. If something feels or looks out of place, it probably is. When in doubt, report it to security.

1.22 Consent to Inspection

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CONSENT TO INSPECTION

- Bags or other personal items brought on to Westinghouse property are subject to inspection by Security at any time with or without notice
- Inspections can be performed on anyone entering or leaving a Westinghouse site
- Inspections can include:
 - Vehicles
 - Briefcases and backpacks
 - Bags
 - Packages
 - Computer and IT device content



Inspection Notice



Notes:

All individuals coming on to a Westinghouse site is subject to inspection. Some sites have very strict regulatory requirements where inspection of personal property is required. Inspections by security may be of vehicles, briefcase bags, packages, and computer or IT content.

1.23 Industrial Safety Overview

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INDUSTRIAL SAFETY OVERVIEW

- **DO NOT** text and drive anywhere on site
- Keep your eyes on path and refrain from walking while dialing or texting
- Use the handrails when ascending/descending stairwells
- Obey all barriers and postings
- Only perform work for which you are qualified, authorized and briefed to perform by your supervisor
- If your work scope changes or you are unsure about any aspect, then **STOP WORK** and ask your supervisor
- Obtain WEC training for any specific safety hazards you may encounter (i.e. electrical work, confined space work, radiological work)

Industrial Safety



Notes:

Some general safety reminders and good practices while on any site include to not text and drive. Keep your eyes on the path and refrain from using your cell phone. Use handrails when ascending or descending the stairwells and obey all barriers and postings. Only perform work in which you are authorized and if your scope of work changes and you are unsure, STOP work and discuss with your supervisor. Contact your supervisor or sponsor for any additional training you need for site specific job functions or qualifications.

1.26 Next steps

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NEXT STEPS

<p>If you need unescorted access at Columbia Fuel Fabrication Facility, click here.</p>	<p>If you need unescorted access at Western Zirconium in Ogden, UT, click here.</p>	<p>Site specific information sheets on all other U.S. domestic Westinghouse sites other than Columbia and Ogden are located on the same webpage as the link to this training. You may exit this course if you do not need to pursue access at Columbia or Ogden.</p>
 <p>Westinghouse Columbia Site 5801 Bluff Road</p>		

Westinghouse

Notes:

If you need unescorted access to the Columbia fuel fabrication facility or the Western Zirconium site, please click the corresponding link to access these additional training modules. You will be asked to complete the quiz and roster at the end of each to get credit for the course. For all other domestic U.S. Westinghouse sites, please visit the Global Security webpage where this training was located to access site specific information sheets that are available for your site location. If you do not need access to Columbia Fuel Fabrication Facility or Western Zirconium, you may close out of this training. Any questions may be referred to Global Security at globalsecurity@westinghouse.com.

2. Columbia

2.1 Columbia Fuel Fabrication Facility



Notes:

2.2 Welcome



Welcome

The following information is specific to the Columbia Fuel Fabrication Facility. Some of the policies are different from other U.S. Westinghouse sites. Those differences are noted here.

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2.3 Section Title

01 Policies and Guidelines

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2.4 Proprietary Information



Proprietary Information

Westinghouse Columbia Site produces nuclear fuel, and much of our information, including our processes and our equipment, is proprietary. Naturally, we must provide for the security of our knowledge.

You may be exposed to Westinghouse information or observe Westinghouse techniques and processes employed in the manufacture of nuclear fuel.

Information regarding facilities, techniques, equipment, processes may not be misused or disclosed. There are restrictions on disclosing this information to Westinghouse employees who are not U.S. persons.

It is your responsibility to protect Westinghouse information.



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Notes:

2.5 Commitment to Safety

Commitment to Safety

Westinghouse is committed to providing a safe working environment. Free and open expression of safety concerns is an essential attribute of the Westinghouse safety-conscious work environment. Any action constituting harassment, retaliation, intimidation or reprisal against individuals raising safety concerns in good faith will not be tolerated.



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2.6 Continuous Improvement

Continuous Improvement



We have an expectation for Continuous Improvement in Safety, Quality and Delivery. The flag pole at the entrance to the plant has three flags. The top flag has an "S" for safety, the other two are "Q" and "D" for quality and delivery. The flags are indicators of our plant event clocks. A red flag indicates an event has occurred.



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2.7 Fitness For Duty

Fitness For Duty

In order to provide a safe workplace, anyone performing work at the site must be able to perform the essential duties of their jobs in a safe, secure, productive, and effective manner, without presenting a safety hazard to themselves, others, Westinghouse, or the public. If someone performing work at the site is impaired in some way, they pose an unacceptable risk to themselves and others.



01

Employees and contractors approved for unescorted access to the Columbia Fuel Fabrication Facility are required to be a part of the Fitness for Duty Program.

02

The Fitness for Duty assessments will include a substance abuse test and a breath alcohol test.

03

All credentialed individuals at the Columbia Fuel Fabrication Facility may be required to submit to a random, post-accident/incident, or reasonable suspicion/aberrant behavior Fitness for Duty assessment.



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2.8 Entering and Exiting the Site

Entering and Exiting the Site



- 01 All vehicles must be registered with Security and display your parking permit
- 02 If your vehicle does not have a parking permit, stop at the Entry Control Point (ECP) to validate your access to the site, have your vehicle inspected, and a temporary parking permit issued
- 03 Stop at the checkpoint, remove your Columbia site ID, and physically hand it to the officer for access verification.



The site operates 24/7.
Regular business hours are Monday – Friday 7:30 AM - 5:00 PM.



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2.9 Entering and Exiting the Building

Entering and Exiting the Building

When entering the building, you must scan your credential to open the gate. When leaving, you must enter the portal monitor and wait until it counts down. Before exiting the building, scan out with your credential. An officer will inspect your bags as you enter and leave the building.



If someone performing work at the site is impaired in some way, they pose an unacceptable risk to themselves and others. Therefore, you may be selected at random upon entering the building for a drug and alcohol screen. These screenings are done routinely and no one is exempt. On-site medical is available for these tests.



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2.10 Recycling

Recycling

Everyone is expected to recycle items on site. There are area recycle stations in the work areas and in the cafeteria. Bins at individual desks are not emptied and must be properly disposed of at the end of each work day. Each recycle station is labeled and only the items listed on the container should go into the container. Food waste is also segregated.



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2.11 Section Title

02 Alarms and Emergencies



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2.12 Site-wide Alarms

Site-wide Alarms

Click the images below to hear each of the alarms.



Criticality Alarm

The Criticality Alarm is an oscillating siren similar to an "air raid" siren. When you hear it, evacuate immediately!



Fire System Alarm

The Fire System Alarm is a steady tone. It is used to activate the Brigade and alert the site to potential dangers. Stop and listen when you hear it.



Severe Weather Alarm

Plant announcements take priority over cell phone warnings. When you hear a Severe Weather Alarm, move to the nearest room identified by a tornado symbol.

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Notes:

2.13 Evacuation

Evacuation



Some emergencies require evacuation. If you hear the Criticality Alarm, leave the building immediately. The assembly point is outside of the Controlled Access Area.

More detailed information about evacuation is included in the training you will receive upon arriving on site.

 Always know your evacuation routes!

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2.14 Manual Pull Stations

Manual Pull Stations



Anyone can activate manual pull stations if they need immediate assistance due to fire, smoke, medical emergency or other emergencies. An Incident Commander will respond and will activate the Brigade if needed.

First Responders are trained to respond to medical emergencies. On-site medical is available for occupational health concerns and emergency response.



Call extension 2911 for any emergency even if a pull station is used.



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2.15 Active Threat

Active Threat



If you hear someone making a threat, witness potential surveillance activities or have reason to believe an event may occur, call Security directly at extension 3298 or 3299. When reporting the details to Security, include details around Who, What, Where and When.

When an active threat is detected by or reported to Security, they will make an announcement using the plant's public address (PA) system. When you hear the announcement, do not hesitate or wait for validation before responding. At the Columbia site, we use the terms Run, Hide, Fight, but in essence it is the same as Get Out, Hide Out, Take Out.

Once the event is determined to be over, or once the immediate area has been cleared by law enforcement, an ALL-CLEAR will be announced.



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2.16 Blue Light System

Blue Light System



The Chemical Area Hazard Warning System (aka Blue Light System) is a rotating blue light beacon with an illuminating message panel.

Do not enter the chemical manufacturing area while the Blue Light System is flashing unless you have approval from the Incident Commander.



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2.17 Other Considerations

Other Considerations

- 01 If you are a visitor to an area when a local equipment alarm sounds, notify someone in the area about the alarm. You may be asked to leave the area.
- 02 Evacuate the area immediately if a powder, liquid or gas spill/leak threatens exposure or high airborne activity.
- 03 **Do not walk through haze, fog, dust, or a cloud of material.**
- 04 Promptly report all injuries and illnesses to the medical department. If medical personnel are not available call extension 2911 for assistance.



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2.18 Important Contact Information

Important Contact Information

- 01 All Emergencies**
On-site x2911 or 803-647-2911
- 02 Active threat**
On-site x3298 or x3299 or 803-647-3298 or 803-647-3299
- 03 Global Security E-mail**
globalsecurity@westinghouse.com
securitycommandcenter@westinghouse.com
- 04 On-Site Security**
Located inside the main lobby
Available 24/7/365
803-647-3298
claguard@westinghouse.com

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2.19 Physical Security Services

Physical Security Services

- 1 Access Control
- 2 Credentialing
- 3 Emergency Response
- 4 Vehicle Assistance
- 5 Facility Patrols
- 6 Special Event Coverage
- 7 Event/Incident Investigations and Reporting



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Notes:

2.20 Section Title



03 Safety Rules

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2.21 Know the Hazards

Know the Hazards

Hazards are evaluated and defenses are put in place to protect us. However, it is vital that each of us understand the hazards. Everyone plays a part in keeping themselves and others safe.



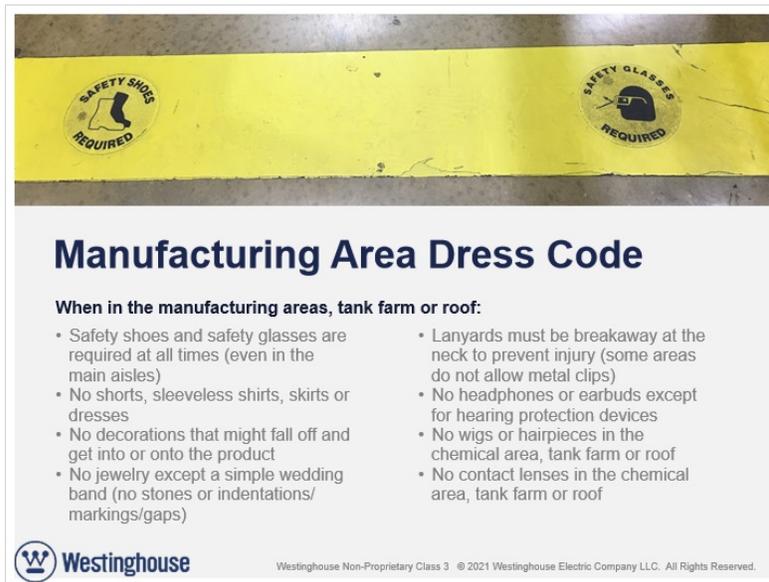
Site-wide Rules

In addition to the company rules about not using cell phones while walking or driving and the required use of handrails, the Columbia site requires people to leave one ear open when using headphones or ear buds anywhere on site. This will help you hear announcements and alarms. This does not apply to hearing protection.

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2.22 Manufacturing Area Dress Code



The sign features a yellow header with two circular icons: 'SAFETY SHOES REQUIRED' and 'SAFETY GLASSES REQUIRED'. Below the header, the title 'Manufacturing Area Dress Code' is centered. The main body contains two columns of bullet points under the heading 'When in the manufacturing areas, tank farm or roof:'. The footer includes the Westinghouse logo and a copyright notice.

Manufacturing Area Dress Code

When in the manufacturing areas, tank farm or roof:

- Safety shoes and safety glasses are required at all times (even in the main aisles)
- No shorts, sleeveless shirts, skirts or dresses
- No decorations that might fall off and get into or onto the product
- No jewelry except a simple wedding band (no stones or indentations/markings/gaps)
- Lanyards must be breakaway at the neck to prevent injury (some areas do not allow metal clips)
- No headphones or earbuds except for hearing protection devices
- No wigs or hairpieces in the chemical area, tank farm or roof
- No contact lenses in the chemical area, tank farm or roof

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Notes:

2.23 No Eating



The sign is red with a white circle and a diagonal slash over a white icon of a hand holding a fork and knife. A blue text box on the right contains the sign's message. The footer includes the Westinghouse logo and a copyright notice.

No eating, chewing gum, smoking, vaping, tobacco of any kind, or drinking (except at water fountains or designated areas on the roof) is allowed at any time in any manufacturing area, tank farm or roof.

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2.24 Chemical Hazards

Chemical Hazards

- 1 Comply with the chemical safety requirements .
- 2 Report any problems with storage or use of chemicals.
- 3 Immediately report spills or suspected spills of chemicals.
- 4 Use only those chemicals for which you have been trained.
- 5 Use chemicals only for specific assigned tasks in the proper manner.
- 6 Review the Safety Data Sheet (SDS) prior to using a chemical.

 Chemicals are used throughout the manufacturing process, the following rules will help you keep safe.

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Notes:

2.25 Other Safety Considerations

Other Safety Considerations

Signs are posted at entrances to work areas where hearing protection is required or recommended. A full listing of those areas is in SYP-307. Everyone who enters an area with required hearing protection must wear it, including people just walking through the area.

The Columbia Plant uses several different types of barrier tape. barriers are not to be crossed. You may be unaware of the hazards inside the roped off area.



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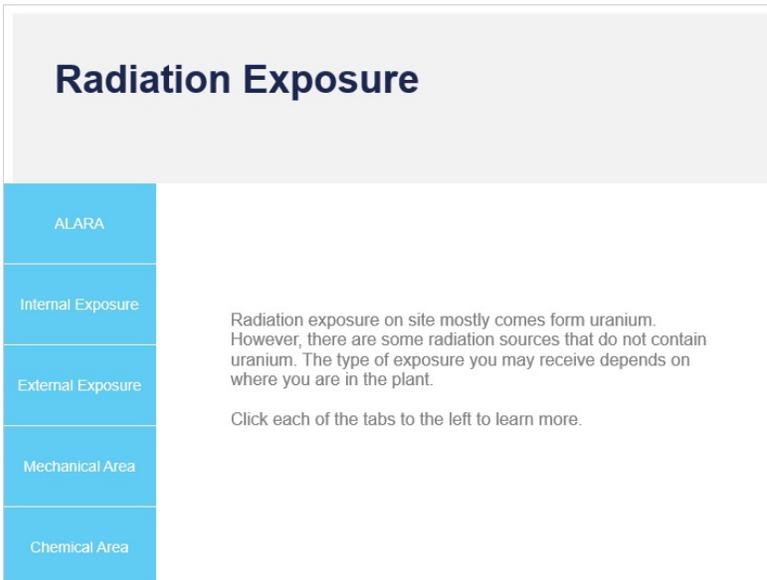
2.26 Section Title



04 Radiation and Criticality Protection

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2.27 Radiation Exposure



Radiation Exposure

- ALARA
- Internal Exposure
- External Exposure
- Mechanical Area
- Chemical Area

Radiation exposure on site mostly comes from uranium. However, there are some radiation sources that do not contain uranium. The type of exposure you may receive depends on where you are in the plant.

Click each of the tabs to the left to learn more.

Alara (Slide Layer)

Radiation Exposure	
ALARA	ALARA
Internal Exposure	Our goal is to keep exposure "As Low As Reasonably Achievable" (ALARA). We design our processes and procedures to make sure you receive the lowest dose possible.
External Exposure	
Mechanical Area	
Chemical Area	

Internal (Slide Layer)

Radiation Exposure	
ALARA	Internal Exposure
Internal Exposure	Internal exposure happens when you breathe in, ingest or otherwise get radiation inside your body. We measure internal exposure using air samplers. The airborne levels are compared to the length of time a person spends in the area which is recorded in the Personal Exposure System (PES) Log software.
External Exposure	To prevent internal exposure, we design equipment to keep radioactive material contained. However, not touching your face and housekeeping are highly effective ways to keep your exposure even lower. Personal Protective Equipment (PPE) like respirators can provide protection.
Mechanical Area	However, do not wear a respirator unless you are trained and qualified at the Columbia plant to do so.
Chemical Area	

External (Slide Layer)

Radiation Exposure	
ALARA	External Exposure
Internal Exposure	External exposure happens when you are near radioactive material. It is similar to the way you feel heat from a stove, the closer you are to the burner, the more heat you feel.
External Exposure	We measure external exposure using a dosimeter (TLD badge). Each person who is likely to receive a dose greater than 10% of the national limit of 5 rem is required to wear a dosimeter while at work. Pregnant women and anyone else who wants to wear one can. There are three ways to protect against external exposure: time, distance and shielding.
Mechanical Area	<ul style="list-style-type: none">• Time - the less time you spend around radioactive material, the less exposure• Distance - the farther you are from radioactive material, the less exposure• Shielding - different types of material can block radiation, the more shielding in place, the less exposure
Chemical Area	

Mechanical (Slide Layer)

Radiation Exposure	
ALARA	Mechanical Area
Internal Exposure	Mechanical Manufacturing Area is where radioactive materials are encapsulated in rods or scanners. It is often called the "Clean Side". Radiation when present in these areas is completely contained and there is no contamination on the floors or accessible surfaces. Internal exposure is not normal in these areas. However, external radiation exposure is possible in these areas.
External Exposure	
Mechanical Area	
Chemical Area	

Chemical (Slide Layer)

Radiation Exposure	
ALARA	<h3>Chemical Area</h3> <p>Chemical Manufacturing Area is where un-contained radioactive materials are processed and contamination on the floors and surfaces is present. This area is known as the "Contaminated Area" or "Behind the Wall". The uranium is in the form of powder, pellets, slurry or gas in these areas. Internal exposure is possible in these areas. Some external exposure is normal in these areas.</p>
Internal Exposure	
External Exposure	
Mechanical Area	
Chemical Area	

2.28 Contamination Control Area

Contamination Control Area	
Approved Shoes	<p>It is important to protect yourself in the Contamination Controlled Area (CCA)/Chemical Manufacturing Area. The rules are in place for your protection. Every person who enters must wear approved shoes and protective clothing.</p> <p>Click each of the tabs to the left to learn more.</p>
Protective Clothing	
Eye Protection	
Hair and Jewelry	
Open Wounds	

Shoes (Slide Layer)

Contamination Control Area	
Approved Shoes	Approved Shoes
Protective Clothing	Approved shoes include:
Eye Protection	Approved safety shoes with approved shoe cover. Shoe covers can only be worn once. Place in designated bin when done. OR
Hair and Jewelry	Approved safety shoes designated to be worn only in the CCA, designated by painting the toe.
Open Wounds	

Clothing (Slide Layer)

Contamination Control Area	
Approved Shoes	Protective Clothing
Protective Clothing	Protective clothing includes lab coats or coveralls and gloves (if doing hands on work). DO NOT alter protective clothing in any manner that would defeat the intended purpose.
Eye Protection	While in the CCA, your pants cannot drag on the floor due to risk of contamination.
Hair and Jewelry	Make adjustments if there is a risk of your pants dragging on the floor.
Open Wounds	Tuck pants into shoe covers OR Roll up pant legs

Eyes (Slide Layer)

Contamination Control Area	
Approved Shoes	<h3>Eye Protection</h3> <p>Contact lenses are not allowed to be worn in the CCA.</p> <p>Approved safety glasses with side shields are required in all manufacturing areas. Goggles and face shields may be required in some areas or for some tasks.</p>
Protective Clothing	
Eye Protection	
Hair and Jewelry	
Open Wounds	

Hair and Jewelry (Slide Layer)

Contamination Control Area	
Approved Shoes	<h3>Hair Length and Jewelry</h3> <p>Hair length (including pony tail) which extends below the lower part of the collar shall be tied up or kept in a hair net. Approved hair nets and other approved headgear are available in the store room.</p> <p>Jewelry, other than a simple wedding band, is not allowed to be worn in the CCA. That includes watches and fitness bands.</p>
Protective Clothing	
Eye Protection	
Hair and Jewelry	
Open Wounds	

Wounds (Slide Layer)

Contamination Control Area	
Approved Shoes	Open Wounds A person with open wounds may enter the CCA only after the wounds has been evaluated by medical. Open wounds must be properly covered and bandaged while in the CCA to prevent risk of internal radiation and chemical exposure.
Protective Clothing	
Eye Protection	
Hair and Jewelry	
Open Wounds	

2.29 Radiological Buffer Areas



Radiological Buffer Areas

Radiological Buffer Areas (RBA) provide an intermediate area between contaminated and non-contaminated areas, where decontamination and personnel monitoring can be performed. The RBA boundary is defined by yellow and magenta markings on the floor, as well as a posting. Monitoring is required prior to exiting the RBA, even if you did not enter the contaminated area. If you need help, a phone or radio is available in the RBA to contact Health Physics (HP). The RBA is not considered contaminated and every effort should be made to keep the RBA free of contamination.

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Notes:

2.30 Criticality Controls

Criticality Controls



Criticality is what happens in a nuclear reactor. We must do everything possible to prevent the massive release of heat and energy at our facility. In general, we control mass, moderator and geometry. Some containers and equipment have addition controls in the form of Criticality Postings as seen in this picture. They are an extension of operating procedures and must be followed in the same manner. If you don't understand the requirements, stop and ask for help. They are there to ensure our safety!



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2.31 Safeguards Requirements

Safeguards Requirements



The Nuclear Regulatory Commission (NRC) requires us to "protect and control" all special nuclear material (SNM) for which we are responsible. We apply safeguards to protect against sabotage, theft and diversion including:

- Physical protection of facilities and /or SNM both at fixed sites and during transportation and
- Material control and accounting (MC&A) for SNM

Defenses are put in place to ensure that Westinghouse maintains control and accountability of SNM.



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2.32 Control and Accountability Defenses

Control and Accountability Defenses

1 Accountability/Accounting records of all SNM receipts and shipments	4 Periodic Physical inventory of SNM to verify the presence of material
2 Material control and monitoring measures to prevent or detect loss of SNM in process, storage, and transport	5 Measurement control
3 Item control and material accounting systems to maintain knowledge of the quantities and locations of SNM items in the facility	6 Radiological contamination surveys
	7 Physical security and protection measures, which make sure SNM is not taken from this site

 These defenses help us protect and control nuclear material.

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Notes:

2.33 Section Title

05 Other Information

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2.34 Amenities

Amenities

- 01 Cafeteria**
Available for breakfast and lunch on first shift
Self Service meals, beverages and snacks are available 24 hours/day
- 02 ATM**
Available in the cafeteria
- 03 Fitness Center**
Available to employees 24 hours/day – membership fee required
- 04 Walking Trail**
Available during daylight hours

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3. Ogden

3.1 Western Zirconium

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Ogden, Utah (Western Zirconium)

Site Specific Security Information

10,000 West 900 South
Ogden, UT 84404

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Notes:

Welcome to the Western Zirconium site specific security training.

3.2 Ogden – Training Video

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Ogden – Training Video

View the video in its entirety and then click the forward arrow to continue to the questions.



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Notes:

Please click the video to watch the Western Zirconium training. View the video in its entirety and then click the forward arrow to continue to the questions.

3.3 Quiz

Draw all questions randomly from WZ Questions

3.4 Ogden - Key Contact Information

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Ogden - Key Contact Information

- **All Emergencies**
 - Emergency 444 (from a site phone)
- **Onsite Security**
 - 801-732-2262
 - nfbu-wzsecurity@westinghouse.com
- **EHS Primary Contact (Safety)**
 - Tim Razzeca, 801-732-2245
- **Main Site Phone**
 - On-Site: x0030
 - Off Site: (801) 731-0030



Important Site Phone Numbers

Notes:

Noted here is the contact information for Western Zirconium.

3.5 Thank You for Completing the

Western Zirconium Security Training