UPF JOB HAZARD ANALYSIS

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JHA NO.:		**JHA-00720**	**REV:** 8	**ISSUE DATE:** 08/17/2026
JHA TITLE:		**General Site Activities**	**WORK PACKAGE NUMBER/TEST INSTRUCTIONS:** N/A	**SPECIFIC LOCATION:** N/A
Activity	**Sub-Activity**	**Hazard**	**Control**	
General Site Activities	Work Over or Near Water	Drowning	All personnel must participate in an FLHA (pre-task briefing) that includes the process for working over, or in the vicinity of, water. Equipment and vessels must be confirmed as fit for purpose, properly maintained, and safe to use. Personnel must wear an appropriate and approved life jacket, buoyancy aid, or personal floatation device for their assigned work location and tasks.	
			· Wear a personal flotation device	
			· Always work with a buddy	
			· Ensure site communications (e.g., cell phone or site radio) prior to approaching water	
			· Maintain situational awareness know where you are in regards to the water line	
			· Maintain good housekeeping maintain tools, materials, and supplies in an organized manner to reduce potential for slips, trips, and falls	
			· Walk and work as far from the waterline as possible	
			· Be cognizant of the potential for wildlife (e.g., snakes, ticks)	
General Site Activities	Remote or Lone-Worker	Working Alone	Prior to accessing remote areas, ensure the Supervisor is notified for accountability and a reliable communication method is maintained (e.g., phone). When accessing a specific work area/activity additional briefing may be required (e.g., FLHA card briefing).	
			NOTE: *For lone worker activities- Ensure Supervisor or designated co-worker is informed when leaving and expected return. Check in with Supervisor or designated co-worker when return to office.*	
General Site Activities	Stop or Pause Work Authority	Delayed and Inadequate Response	All Project personnel have the right to refuse to perform tasks that they believe are unsafe. Along with this right (or authority) comes the responsibility to take an active role in resolving ES&H issues. All Project personnel have the duty to investigate the ES&H aspects of the jobs they perform and to require that satisfactory controls be in place before beginning work.	
			Each Project employee is responsible for adhering to safe work procedures when performing work. Each worker is guaranteed the right to refuse or stop work that he or she perceives to be unsafe. Exercise of this authority must not result in any form of reprisal or negative personnel action by management.	

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Activity	**Sub-Activity**	**Hazard**	**Control**		
			While each Project employee has the authority and responsibility to stop work when imminent danger is perceived, only select Project personnel have the authority to stop operations when the perceived danger is less imminent or certain. Every employee, however, has the right and responsibility to raise any issues relating to worker safety and health. Report your safety concern to any of the personnel listed here: · The ES&H manager or representative · Your supervisor · Field engineers or inspectors · Subcontractor supervisors or task managers · Government officials with oversight responsibility for worker safety and health		
General Site Activities	Inclement Weather	Delayed and Inadequate Response	Inclement weather conditions can have an adverse effect on some outdoor activities. Consider the weather before starting outdoor tasks. Be aware that changes in the weather can occur suddenly. Use good judgment regarding what action to take. Consult with your supervisor and follow OC announcements. Refer to UPF-POLICY-CM-002, UPF Weather Policy for additional information **Winter Weather** Call (865) 241-1212 or sign up to receive Y-Alert notifications to obtain information about a weather-related closure or delay at Y-12. Additional sources of information include the Y-12 external website and local radio and television stations. Notify your supervisor or manager of any road conditions (or other circumstances) that affect your ability to report to work. Within the Y-12 site, stay on designated routes (e.g., roadways cleared by snow removal equipment to facilitate vehicle travel), and park in designated areas.		

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			Avoid any unnecessary travel, whether by vehicle or foot. If you cannot avoid walking on slippery or icy surfaces, wear appropriate footwear, take short steps, keep hands out of pockets, and use handrails where available. Stay on walkways designated as snow routes and use only designated building entrances and exits.	
			Treat walkways and steps with ice chaser/melt flag or barricade the areas as needed to prevent access.	
			Other Inclement Weather	
			Severe weather conditions (i.e., thunderstorms, lightning, high-wind conditions, tornado watches and warnings) approaching the Oak Ridge area are monitored by OC and site management. Personnel will be notified of impending severe weather conditions and the appropriate action to take.	
			If you observe lightning, even if you have received no announcement or notification, stop your outdoor activity, take shelter, and contact your supervisor for further direction.	
			All of the buildings under construction are grounded and are safe shelters.	
			Movement from building to building (e.g., safe shelter to safe shelter) is allowed during conditions when lightning is within 15 miles of the Y-12 site. Personnel may also travel to and from bus pick-up locations.	
General Site Activities	Evacuations	Delayed and Inadequate Response	Be able to recognize the sound of the evacuation alarm, and know the proper evacuation route from your work area to the assembly station. When you hear the evacuation siren, evacuate to the assigned or nearest assembly station. Each assembly station is marked with a letter (alphabetic character) on a round, orange-colored sign mounted on a post.	
			When you hear the evacuation siren, take the following actions:	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			· Stop what you are doing	
			· If time permits, place tools and equipment in a safe configuration	
			· Leave the area and proceed to the assembly area in a quick and orderly manner	
			· Report to the Assembly Station Director	
			· Remain at the assembly station until released by emergency services personnel	
			Depending on the emergency, different protective actions may be called for, which include the following:	
			· Take cover – Seek shelter in a structurally sound area of the building and monitor the public address system	
			· Shelter-in-place – Remain or go indoors and monitor the public address system or radio. When the shelter-in-place is given for hazardous materials, turn off outside sources of air, close and seal doors and windows.	
			· Curfew – Follow instructions of emergency services personnel when a curfew is imposed. Curfew is used at Y-12 in an emergency situation when there is a need to control movement of personnel throughout the site.	
General Site Activities	Emergencies	Delayed and Inadequate Response	Report emergencies at the Y-12 National Security Complex (Y-12) to Y-12 emergency services personnel. Use any of the following methods to reach Y-12 emergency services, regardless of whether you are reporting a fire, injury, illness, or other emergency:	
			· Y-12 telephone: Call or send someone to call 911. After placing the call to 911, notify your supervisor and ES&H department.	
			· Cell phone: Call (865) 574-7172 to reach Y-12 Operations Center (OC). **NOTE:** *Calling 911 from a cell phone will not reach Y-12 emergency responders.*	

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			· Fire alarm box: Activate the nearest fire alarm box (follow the instructions on the box). The emergency need not be a fire a response team will come.	
			· Y-12 radio system: Break in and say "EMERGENCY, EMERGENCY, CLEAR THE CHANNEL." Repeat if necessary. Ask another person on the radio to call 911. Go to the OC channel (Zone 2 or 34 OC).	
			· UPF Medical: (865) 576-8627 **NOTE:** *Personnel assigned to off-site Project offices or locations should know and follow established emergency guidelines.*	
General Site Activities	Incident Reporting	Delayed and Inadequate Response	· Report all work-related incidents, injuries, and illnesses to your supervisor and ES&H representative immediately no matter how minor they may seem. Medical treatment will be provided by the UPF designated medical facility, as needed, and the incident will be documented. If follow-up treatment is required, there will be a record of your injury or illness. Serious injuries will be coordinated through the Y-12 OC office (#574-7172) and medical treatment may be provided at an off-sight medical facility (hospital) as determined by Y-12 Emergency Medical Technicians and/or the UPF medical staff. The UPF medical trailer is located to the east of the Construction Support Building (CSB) # 9127 and the Y-12 site medical facility is located in the Jack Case Office Building.	
			· If you believe you had a work-related injury or illness and did not report it before leaving the worksite, contact your supervisor and OC as soon as possible, but do so within eight (8) hours of first indication of injury/illness. If you obtained medical treatment from an off-site provider (e.g., family doctor, emergency room) for an unreported work-related injury or illness, notify your supervisor and OC as soon as possible, but no later than the start of your next scheduled work shift. Any documentation of treatment and work restrictions prescribed by the treating physician must also be provided to your supervisor or Medical (as appropriate).	
			· Before returning to work after a non-work-related injury or illness which required medical attention or generated restrictions that may hinder your work performance, obtain a medical clearance (return-to-work slip) from your physician, and present it to your supervisor and Project Medical.	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
General Site Activities	Radio and Electronic Equipment	Distraction Slip/Trip/Fall	DO NOT use headphones, speakers, CD players, or other such equipment while in active construction work areas.	
			Workers shall not use cell phones while engaging in work tasks or operations that may be considered critical or hazardous. The use of cell phones is also not permitted when it could cause distraction and increase the potential for mishaps.	
General Site Activities	Signs and Tags	Improper Hazard Communication	Appropriate signs and tags will be placed at hazardous and potentially hazardous locations throughout the UPF construction site. All accident prevention signs and tags shall conform to applicable regulatory specifications (i.e., use, color, size, placement, and wording).	
General Site Activities	Electrical Safety	Electric Shock	Follow requirements found in UPF-MANUAL-CM-001, *Uranium Processing Facility Construction Electrical Safety Manual*.	
General Site Activities	General Area Lighting	Inadequate Lighting	· Establish lighting based on schedule, volume of use, and security concerns for parking lots and non-production areas	
			· Protect lightbulbs from breakage in accordance with the manufacturer's guidance or as required by regulating agencies	
			· Position light fixtures in such a manner that will prevent employees from coming into contact with the fixtures during work operations	
			· Clearly illuminate ladder access and egress	
			· Ensure metal-case sockets are grounded	
			· When work is in progress, then minimum illumination intensities in construction areas shall be as shown in **Table 1 of UPF-CP-200. General construction area lighting is 5 foot-candles. Contact your supervisor and ES&H to evaluate lighting of specific areas.**	
General Site Activities	Electrical Extension Cords	Electrical Shock	· Follow the requirements of UPF-MANUAL-CM-001	
			· An item found with defects shall be tagged "Danger. Defective Tool/Equipment. Do Not Use" and returned to a controlled area	
			· Tagged items that are returned shall be checked by an authorized worker to be repaired, returned to the manufacturer, or destroyed as determined by Construction Supervision	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			· No taping of extension cords shall be permitted as repair.	
General Site Activities	Emergency Eyewash or Showers	Exposure to Hazardous Chemical	· Construction Supervision will consult with IH to evaluate and pre-plan the need for emergency flushing stations where workers may be exposed to chemical or other material hazards	
			· The Responsible Supervisor, or Designee, will perform weekly eyewash inspections using form UCN-23381, *UPF Weekly Eyewash Inspection Checklist*, and records will be submitted to UPF DMC and stored in InfoWorks	
			· Any obstructions, damage, improper flow, or any other potential problems are to be reported immediately to supervision for resolution	
			· Supervision will contact a Subject Matter Expert (SME) to address any obstructions, damage, improper flow, or any other potential problems	
			· SMEs will perform initial, six-month, and intermittent maintenance or repair inspections using form UCN-23382, Eyewash Station Change-out Inspection Log, and return to a designated record storage area	
General Site Activities	Hazardous Material Use	Exposure to Hazardous Chemical	• Contact IH or ES&H Representative if UCN-23353 SDS Evaluation Form is not completed for the specific chemical/product that you are working with • Review UCN-23353 and the Safety Data Sheet (SDS) of the chemical/product prior to starting the work • Follow the assigned work controls specified in the SDS Evaluation Form • Disposal of hazardous materials shall be in accordance with the completed UCN-23353 for the given product/chemical and in accordance with PL-SH-801768- A002, *Construction Waste Management Plan for the Uranium Processing Facility*	
General Site Activities	Labeling of Hazardous Materials	Inadequate Hazard Communication	• Labeling of hazardous materials shall be in accordance with UPF-CP-202, Appendix B, *Container Labeling Instructions* • Secondary container labels shall have the Product Identifier and words, pictures, symbols, or a combination thereof that can provide employees with the specific information regarding the physical and health hazards of the hazardous chemical	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			• Project Personnel may transfer hazardous materials from a bulk container to a suitable portable container for immediate use during their shift only • Individual stationary containers (e.g., storage tanks) must have signs, placards, or other appropriate signage attached to them that contain the same information as a manufacture's original label	
General Site Activities	Use of Temporary Outdoor Heating Devices	Fire Inadequate Ventilation	· Fresh air shall be supplied in sufficient quantities to maintain the health and safety of workers	
			· Use of kerosene or diesel fueled heaters inside buildings or on scaffolds is prohibited	
			· Portable gas heaters shall be equipped with an approved automatic device to shut off the flow of gas if the flame goes out	
			· Personnel shall Ensure all flammable and combustible materials have been removed from the immediate vicinity of all temporary heaters prior to using such equipment	
General Site Activities	Emergencies Fires	Emergencies Fires	· Managers/supervisors shall brief workers and visitors on how to respond to emergencies according to the building/office Emergency Plans (Orange Book) by becoming familiar with the building egress routes, emergency phone numbers, and location of alarms and fire extinguishers	
			· In the event of a fire, workers are not required to fight the fire with a portable fire extinguisher but are expected to immediately pull the fire alarm (or notify those in immediate vicinity), evacuate the building, and notify the Operations Center as soon as possible	
General Site Activities	Stairways, Floors, and Aisle Ways	Slip, Trip, Fall	· Keep one hand free and use handrails when ascending and descending stairs	
			· Take only one step at a time when ascending and descending stairs	
			· Do not perform any activity that can be a distraction while ascending and descending stairs (e.g., reading, talking on cell-phones)	
			· Use caution when using doors that open into passageways	
			· Stay clear of the door's swing path	
			· Open doors slowly	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			· Check the landing for obstacles	
			· Stairwells shall not be used for storage	
			· Keep floor surfaces and walkways free of loose papers, electrical cords, and other slipping or tripping hazards	
			· Ensure rugs or other floor coverings are in good condition (i.e., no holes) and report tripping hazards to the FM for correction	
			· Use rugs at egress points to limit the amount of water tracked into a hard floor surface	
			· Mop up spills or standing water, and post warning signs or barricades until the slip hazard is cleaned up	
			· Ensure furniture or equipment does not block emergency exits, emergency equipment, or electrical panels	
			· Do not leave drawers and cabinet doors open into aisle ways	
			· If an aisle way is too narrow because of an obstacle placed in the aisle, then remove the obstacle or request the Foreman to remove it	
General Site Activities	Office Equipment and Furniture	Struck-by Pinch Points Slip, Trip, Fall Fire Improper Use of Tools or Equipment	· Fill bookshelves and file cabinets from the bottom up, placing heavier items near the bottom	
			· Use handles on file drawers to avoid finger pinch points	
			· DO NOT open two or more file drawers at the same time	
			· Close file drawers completely after every use	
			· Rearrange or otherwise stabilize overloaded or unstable bookshelves, file cabinets, and lockers	
			· Report damaged equipment and furniture to the FM	
			· Use office equipment and furniture in accordance with its intended purpose	
			· Use caution when operating paper shredders or other mechanical equipment	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			· Keep fingers, long hair, clothing (e.g., ties), jewelry, and security badges away from office machines	
			· Store combustible materials within the office (i.e., recycle refuse paper)	
			· Refrain from storing items on top of cubicle workstation bins, bookshelves, or file cabinets. Assess each item's ease of rolling and/or falling along with its weight and shape to determine if the object is a potential safety hazard if left on top of any of the elevated locations identified in the previous list	
			· Keep a minimum clearance distance of 18 inches between stored items and fire-suppression sprinkler deflectors	
			· Avoid storing boxes under tables or desks	
			· Keep the paper cutter blade in its closed and locked position when not in use	
			· Use UL-listed or equivalent supporting office equipment	
			· Do not store combustible items near heating devices	
General Site Activities	Use of Sharp Objects	Laceration	· Avoid placing broken glass or other sharp objects (e.g., coffee can lids) in general office waste containers unless wrapped or placed in another container	
			· Store sharp/pointed objects (e.g., kitchen knives, scissors, paper cutters) in a manner that eliminates the possibility of injury	
General Site Activities	Fire Protection Controls and Systems	Fire	Ensure fire protection controls and systems are not compromised by:	
			· Maintaining appropriate clearance, in accordance with the manufacturer's recommendations, between equipment, combustibles, and any heat sources	
			· Not blocking exits, exit paths, fire extinguishers, or fire sprinklers	
			· Not blocking or propping open fire doors	
		Poor Housekeeping	Keep kitchens and eating areas in a safe and sanitary condition by:	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
General Site Activities	Lunchrooms/Food Storage Areas		· Using caution (e.g., covered containers, paper towels) to avoid burns from foods and liquids heated in microwave ovens	
			· Placing knives in a separate drawer or using a divider in the drawer	
			· Cleaning up all spills quickly and barricading the area to protect others from slips and falls when floors are wet	
			· Placing all food waste in waste receptacles	
			· Keeping microwaves, food preparation, and cooking areas clean	
			· Removing food from the refrigerator before it spoils	
General Site Activities	Badge Lanyard Safety	Caught Between	Only break-away badge lanyards are approved for use. Do not modify or tie knots that can affect the break-away function.	
General Site Activities	Use of Office Chairs	Slip, Trip, Fall	Use chairs safely, including:	
			· Not sitting in the chair while traveling across the floor	
			· Holding the chair in place with your hands before sitting down	
			· Not standing on a chair to reach overhead objects	
			· Not overextending backwards in chairs	
General Site Activities	Crossing Traffic Guardrails [and other elevated obstructions]	Slip, Trip, Fall	· Preferred method is to go around the guardrail or travel though a break in the guardrail	
			· Equipment shall not be carried while crossing the guardrail. Two or more people may be required to hand equipment across the guardrail or equipment may be placed on the ground when crossing	
			· One hand shall be placed on the guardrail or other stable fixture for stability while crossing the guardrail.	
General Site Activities	Office Parking Lots	Vehicle Collision	· Observe posted signs, speed limits, cross walks, and lot stripes	
			· Pedestrians have the right-of-way	
			· Pedestrians should use designated and maintained walkways, when available	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			· Look for vehicles moving in and out of parking stalls	
			· Avoid slippery conditions and report any unsafe condition to the FM	
General Site Activities	Building Exits	Inadequate Access or Egress	· Every building designed for human occupancy shall be provided with exits sufficient to permit the prompt egress of occupants in case of emergency	
			· In areas determined to be hazardous (e.g., combustible/flammable storage rooms) or where employees may be endangered by the blocking of any single means of egress from fire or smoke, there shall be at least two means of egress remote from each other	
			· Exits and paths leading to/from exits shall be kept unobstructed and accessible at all times	
			· All exits shall discharge directly into the street or other open space that gives safe access to a public way	
			· Exit doors swing open to the direction of exit travel	
			· Exits shall be marked by readily visible, suitably illuminated exit signs. Exit signs are distinctive in color and provide contrast with surroundings. The word "EXIT" will be in plain legible letters and no less than six inches high	
			· Any door, passage, or stairway that is not an exit or a way of exit access but which is located or arranged in such a manner that it could be mistaken for an exit shall be identified by a sign reading "Not an Exit" or similar designation · Maintain unrestricted access to building entrances, exits, and loading areas. · Report any issues regarding blocked entrances and exits to the Building Manager and/or an ES&H Representative immediately including: o Blocked or restricted personnel entrances or exits o Vehicles or equipment parked in close proximity to entrances, exits, loading docks, or temporary building penetrations o Materials or process equipment staged in close proximity to entrances and/or exits	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
Drug and Alcohol Policy (Life Critical Activity)	Controlled Substances	Unsafe Conditions	· Never work under the influence of alcohol or drugs. Never use, possess, distribute, or sell illegal drugs. Do not abuse controlled substances	
			· Project personnel using prescription or legal nonprescription medications that might in any way impair their ability to perform assigned job duties must notify Medical, Human Resources, or Labor Relations (as appropriate) before taking the medications at work. If you are prescribed a medication that can be detected under workplace drug testing protocols, you must have a prescription from your doctor with your name and dosage instructions.	
General Site Activities	Site Access - Traveling on roads, parking, walking in safe walkways	General Hazards Typical on a Construction Site	· Traveling on roads: Obey all speed limits and traffic signs and rules of the road	
			· Parking: Only park in established parking spaces that are not reserved or numbered. Do not park on the side of access roads	
			· Walking in safe walkways: Safe walkways are present across the site and are delineated by orange traffic barriers or walkways segregated by snow fencing and It-posts. Always walk within the boundaries of established safe walkways whenever present	
			· PPE-Free areas are limited to the designated safe walkways to and from the bus stops, management parking area, the bus loading and unloading area, and the areas adjacent to the Construction Support Building (Building 9127). Craft trailers, temporary office trailers, and Tool Crib, and other areas as determined by project management (these will be delineated by "Notice" signage).	
			· PPE-Required areas on the main construction site include:	
			o Balance of Plant work areas across the yard	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			o Main construction site which includes all areas east of the Tool Crib past the snow fence boundary	
			· Safe Walkway from the bus stop loading and unloading area to the Process Support Facility (a "PPE Required" sign is posted at the entrance)	
General Site Activities	JHA Acknowledgement	General Hazards Typical on a Construction Site	· This JHA only presents the standard best practices to identify and control general site-wide hazards on the UPF Project. For a more thorough list of work activities and their associated hazards and controls, refer to the Task-specific JHAs applicable to the scope being performed.	
			· ALL UPF Project personnel must acknowledge being informed of the general site hazards by reading and signing this JHA.	
			· In addition to reading and signing this JHA, Craft must also review and sign the scope-specific Work Package, Task-specific JHAs, and FLHA Cards prior to beginning work	
General Site Activities	Fire Protection & Prevention - Fire Extinguisher Management, Refueling, Housekeeping, Refueling	Fire Burns Property Damage	· Immediately report any unsafe fire-related conditions to the Building Manager and/or an ES&H Representative including: o Blocked building entrances or exits o Restricted access to fire-fighting equipment (e.g., fire extinguishers) o Uninspected, discharged, or damaged fire extinguishers o Missing fire extinguishers inside of buildings (e.g., removed from designated locations) o Missing or inoperable fire extinguishers in equipment, vehicles, trailers, storage containers, and offices o Combustible or flammable materials improperly staged inside of buildings	
			· Follow all of the requirements specified in Hot Work Permit	
			· Only smoke in designated, outdoor Smoking Areas	
			· Remove only the amount of flammable product from flammable materials storage cabinets necessary to perform work during your shift. Never remove more than a one-day's supply	
			· Store all quantities of fuel and other flammable materials (i.e., paint and thinners) in an approved flammable materials storage cabinet	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			· Only stage combustible materials inside buildings under construction for *imminent* use (5 days or less).	
			· Allow internal combustion engines to cool prior to refueling	
General Site Activities	Walking - Machine Equipment Personnel Interface Site Inspections, travel to and from work areas	Slips, Trips, & Falls	· Do not use your cell phone while walking	
		Struck By, Crushed By, Caught Between, Run Over (Vehicles, UTVs, Equipment)	· Walking is Working: Wear ALL required PPE unless in a PPE-Free area	
			· Remain aware of body position, maintain safe distance from any vehicles or equipment. Do not walk between vehicles or equipment and stationary objects (e.g., crush points)	
			· Never approach a running or operating vehicle or heavy equipment from the rear	
			· Always ensure operators ground excavator or loader buckets prior to approaching a piece of operating equipment. Obtain eye contact with and approval from operator prior to approaching	
			· Stay within designated pedestrian safe walk-ways If you need to leave the walk-way, look both ways. Establish eye contact with vehicle drivers or operators Obtain hand signal to proceed before exiting the safe walk-way	
			· Maintain situational awareness, focus on your task, and keep your eyes on path. Always be aware of your surroundings and the work activities occurring in that area	
			· Do not take short cuts through lay-down areas or material staging areas	
			· Avoid uneven surfaces when possible	
			· Avoid walking through water that has ponded on concrete surfaces or collected in depressions	
			· Use handrails whenever available while ascending and descending stairs	
			· Do not walk on plastic sheeting if at all possible. Use extreme caution if it is necessary	
			· Apply controls specified in Inclement Weather Section Snow & Ice	
			Ensure the working surface is clear of material and debris.	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
	Crawling, kneeling, and lying on working surfaces.	Lacerations, Puncture, Contusions	Evaluate modifying or covering the working surface if the surface has sharp edges or rough surfaces.	
			Evaluate the use of knee pads and/or kneeling pads.	
General Site Activities	Outside Work Activities - Environmental Exposures	General Hazards Typical on a Construction Site	**Heat Stress**	
			· Hydrate prior to coming into work and throughout your shift	
			· Inform workers of heat stress symptoms and the need to look out for their buddy	
			· Monitor temperatures implement a work rest cycle when needed with rest in a shaded area	
			· Take frequent breaks out of direct sunlight	
			· Rotate personnel during high energy work activities	
			· Use fans to introduce fresh or cool air into work areas with limited air flow or to displace hot air from a work area	
			- Follow work/rest regimens as prescribed by ES&H.	
			Cold Stress	
			· Hydrate prior to coming into work and throughout your shift	
			· Inform workers of cold stress symptoms and the need to look out for their buddy	
			· Dress for outside work wear multiple layers and a head covering to conserve heat	
			· Implement a work/rest cycle or take breaks to allow your body to warm up	
			· Eat food to provide your body with fuel to maintain body temperature	
			· Provide forced air heaters to supply warm air to break areas to warm personnel	
			· Never allow a heater to exhaust next to a tent or rest/break area maintain 10' distance	
			Sunburn	
			· Use sunscreen to minimize effects of sun exposure	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			· Wear all required PPE to help protect skin from UV radiation	
			Ticks (i.e., Vector-Borne Disease)	
			· Remove vegetation from areas frequented by project staff	
			· Avoid walking through vegetated areas	
			· Tuck pants inside socks prior to walking through vegetated areas	
			· Check your hair, skin, and clothes for ticks after walking or working in vegetated areas	
			Allergic Reactions to Poisonous Plants (i.e., poison ivy, oak, sumac)	
			· Wear all required PPE to provide barrier between skin and plants	
			· Avoid walking in vegetated areas	
			· Avoid contact with poisonous plants and equipment that may have contacted poisonous plants	
			· Take appropriate precautions for allergies to poisonous plants to prevent reaction	
			· Wash exposed area with soap and water	
			Venomous Snakes and Insects	
			· Avoid walking in tall grass or vegetated areas	
			· Trim tall grasses from around outdoor work areas	
			· Tape pant legs closed if working in grassy areas Inspect any clothing after completing work	
			· Avoid snakes, insects, spiders, rodents and animals if encountered during outside work	
			· Do not attempt to touch or capture any wildlife	
			· Report any rash or indications of contact to your supervisor	
			· Use insect repellent	
General Site Activities	Vehicle Operation		· Only licensed drivers may operate Government Vehicles or UTVs (Training is required for UTV's)	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
		Property Damage to Vehicles and/or Equipment Serious Injury to Pedestrians	· Conduct a 360-degree inspection of the vehicle exterior prior to driving. Report any damage by noting it on the log and inform your supervisor	
			· Complete the initial portion of the vehicle log prior to beginning driving. Complete the log upon returning from trip	
			· Seatbelts are required to be worn for all occupants	
			· Obey site speed limits and driving regulations	
			· Only park in designated parking spots do not park in delivery or heavy traffic areas	
			· Do not block building entrances by parking in front of doors, loading areas, or stairwells	
			· Vehicle drivers must yield to heavy equipment operators have the right of way	
			· Do not leave a vehicle unattended while the motor is running. Turn off the engine and engage parking brake before leaving the vehicle	
			· Immediately report any incidents or accidents to your supervisor	
General Site Activities	Heavy Equipment Operations	Property Damage to Vehicles, Equipment, or Permanent Plant Equipment Serious Injury to Pedestrians and/or Workers	· Only experienced, qualified personnel are allowed to operate heavy equipment. Operators must have a current qualification for the type of equipment being operated	
			· Operators must conduct daily, documented pre-use inspections before operating equipment. All safety functions must be operational (lights, wipers, glass, mirrors, brakes, back-up alarms, minimum 10 lb. ABC Type extinguisher). Report any deficiencies to your Supervisor and tag the equipment out of service until repairs have been made or issues resolved	
			• Operators shall wear seat belts when operating equipment	
			· Operators must be aware of overhead power lines and maintain clearance according to Table 2 from UPF-MANUAL-CM-001, *Uranium Processing Facility Electrical Safety Manual.* Line Voltage (nominal, kV) — Minimum Safe Approach Distance Up to 25 kV — 30 ft. Over 25 kV — 50 ft.	

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Activity	**Sub-Activity**	**Hazard**	**Control**		
			· Operator must lower dump bed/bucket prior to travelling after dumping material on level ground		
			· Never stand next to any dump truck while truck is dumping load		
			· Always Ensure operators ground excavator or loader buckets prior to personnel approaching a piece of operating equipment		
			· Personnel must obtain eye contact with and approval from operator prior to approaching before approaching equipment		
			· Operators must neutralize controls when operations are paused for personnel to move into close proximity to the equipment (e.g., attaching loads, shooting grade, making pipe connections, etc.)		
			· Only necessary ground personnel should be located inside of barricaded areas where equipment is operating		
			· Ground personnel must be positioned in line-of-sight of operator and maximize distance from operating equipment		
			· Spotters can be used to assist an equipment operator in maintain adequate clearance between the equipment and hazards.		
			· Operators must follow the direction of Spotters while operating equipment		
			· Spotters will communicate with Operator using ore-determined communication methods		
			· Spotters stay in operator's view at all times and keep personnel away from operating equipment		
			· Spotters must maintain a safe distance from operating equipment		
			· Operators and Spotters must coordinate with other groups in the area to minimize congestion		
			· Remove obstructions in work areas to maintain a clear line of sight when possible		
			· Operators shall not leave equipment unattended without turning off the engine and setting the parking brake		

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			· Operators are prohibited from using headphones, cellular phones, and/or radios while equipment is being operated	
			· All equipment manufacturer guards shall be in place during operation	
			· Capacity of the equipment shall not be exceeded	
			· Equipment shall only be used as intended by the equipment manufacturer	
			· Maintain safe speed based on conditions. The maximum work area speed limit is 10 mph	
			· In the event of a leak, tag equipment out of service until repaired and report the leak to your supervisor. Contain the leak if possible until clean-up crews arrive on scene	
General Site Activities	Loading or Unloading Equipment and Materials	Property Damage to Vehicles, Equipment, or Permanent Plant Equipment Serious Injury to Pedestrians and or Workers	• Operators must be trained to operate equipment being loaded/unloaded • Operators must inspect equipment prior to loading/unloading, address identified issues prior to use • Use a spotter in congested areas or if line-of-site is restricted • Verify absence of overhead obstructions and power lines prior to loading/unloading equipment • Inspect transport trailers to ensure the floor is in good condition and can withstand anticipated loads • Properly use tie down straps. Position yourself out of the line-of-fire prior to releasing. Use an adequate number to secure the load, connect to equipment at proper locations • Ensure the width of ramps is adequate for the items traveling on the ramps • Use a spotter when loading/unloading a piece of equipment on a trailer, when the operator needs assistance maintaining adequate clearance between the equipment and hazards. • Only load/unload equipment on level ground in safe areas that are out of high-traffic thoroughfares • All pallets used for material transport need to be inspected prior to use, any pallet found with deficiencies must be evaluated for stability and load securement prior to use. Pallets found to be unsafe for use must be pulled out of service and recycled based on its applicable material make up.	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			• All material transported on a pallet must be secured to ensure there are no loose items. **Acceptable Methods for Flatbed Trailer Loading/Unloading:** 1. A barricaded exclusion zone that encompasses the entire length of the truck/trailer and extends a minimum of 15 feet outward laterally on the opposite side and rear of the trailer, **OR** 2. A sufficient number of spotters to adequately provide direction to the forklift operator and control the loading / unloading area to exclude entry by any personnel into the personnel free zone. The spotter(s) should never stand anywhere on the opposite (hospital) side of the trailer or at the rear of the trailer where a load could fall while a forklift is engaging the load. If the 15-foot clearance cannot be maintained, stop the loading / unloading activity and contact a superintendent. For unloading operations, once the load is unstrapped, the truck driver shall remain in the truck cab or leave the area until the trailer is completely unloaded. Conversely, for loading operations, the truck driver should leave the area or remain in the truck cab until the load is ready to be strapped. The spotter has control of the loading and unloading activity until all the material has been off-loaded or the material is ready to be strapped.	
General Site Activities	Transporting Items Using Equipment	Property Damage to Vehicles, Equipment, or Permanent Plant Equipment Serious Injury to Pedestrians and or Workers	· Operators shall be trained on the equipment being operated	
			· Documented daily equipment inspections must be completed prior to operation	
			· Properly balance and secure items before transport	
			· Operator shall maintain line-of-site in the area of travel or use a spotter for direction	
			· Spotters and/or ground personnel shall remain clear of the equipment and potential drop zones at all times	
			· Spotters will communicate with the operator using pre-determined communication methods	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			• Operator shall verify the weight of the item(s) being moved and the capacity of the equipment that is moving the item	
			· Ensure areas where materials are placed can withstand anticipated loads (e.g., platforms, scaffolding, racks)	
			· Keep loads as low to ground as possible during travel to maximize equipment and load stability	
General Site Activities	Manual Material Handling	Muscle Strain/Sprain Ergonomics Pinch Points	Supervisors will be trained in the basics of manual material handling, hazards and basic controls, and conducting basic risk assessments for material handling work	
			Where manual handling is unavoidable, the supervisor will conduct an informal risk assessment as part of the FLHA process and follow up with employees before work starts	
			Inspect for shifted loads, stored energy, or loose items prior to unloading	
			Keep hands and arms clear when stacking material	
			Remove/protect sharp edges with "softeners" prior to lifting	
			To understand safe lifting limits during manual material handling and for guidance on how to conduct a risk assessment on manual material handling, refer to OT-SH-801768-A128, *UPF Ergonomics Lifting Guidelines*	
General Site Activities	Using Hand Power Tools and Extension Cords	Pinch Points Lacerations, Abrasions, Contusions Foreign Objects Electrical Shock	**Follow "JHA-721, Hand and Power Tools" for specific guidance on grinding work task activities.** Use proper tool for the job do not modify any tools	
			· Use tools only for their intended purpose	
			· Inspect all tools prior to use	
			· Tag-Out with a "Danger – Do Not Operate" tag and remove any damaged tools from service return to Tool Crib for dispositioning	
			· Ensure all guards and handles are in place prior to using a tool. Do not remove manufacturer's guards from powered saws, grinders, or drills	
			· Tether all tools if working at heights to prevent dropped objects	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			· Never use more than one extension cord in sequence, do not daisy-chain	
			· De-energize power tools before changing accessories	
			· Remove batteries from cordless tools prior to storing	
			· Operate tools in accordance with manufacturer's instructions	
			· Use self-retracting safe utility knife for cutting materials	
General Site Activities	Housekeeping	Slips, Trips, and Falls (Walking and or Working Surfaces) Fire	· Maintain good housekeeping across the site, in all work areas, throughout your shift	
			· Demarcate material storage areas using white chain and appropriate signage	
			· Keep work areas, material storage areas, and la yd own areas well organized and free of waste	
			· Remove screws and nails from waste lumber and lumber stored for reuse as it is generated	
			· Immediately containerize waste or debris in designated containers to facilitate proper waste segregation do not throw on floors or ground	
			· Hold other Craft accountable for poor housekeeping by following the appropriate chain of command.	
			· Eating or drinking (other than consuming water) is not allowed on the construction site	
			· Report any spills to your supervisor as they occur or as they are discovered ·	
			· Prepare work area to provide a safe working and walking surfaces	
			· Always secure sheet materials to prevent from being blown by wind	
General Site Activities	Walking or Working Near Overhead Loads -	Crushed By, Struck By, Caught Between	· Follow the direction of Bellmen/Riggers	
			· Never walk under, or in close proximity to, any overhead load or lift in progress	
			· Maintain a safe distance from overhead loads and potential drop zones	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
	Work Area or Inspection Access		· Unauthorized personnel are not allowed to enter any red barricaded (Danger) areas where lifts are occurring	
			· Non-essential personnel may only enter red barricaded areas after the lift is completed, permission is provided by barricade owner, the work placed in a safe condition, the barricade is dropped by the barricade owners, and after assessing activities and hazards in the area	
			· Do not cross under extended or elevated forklift booms (loaded or unloaded), aerial lift booms, excavator booms, or mobile crane booms.	
General Site Activities	Elevated Work, Work Area or Inspection Access	Fall from Heights Overhead Obstructions Bump Hazards Dropped and/or Falling Objects	· Follow requirements in UPF-MANUAL-SH-A001, *UPF Elevated Work Manual*	
			· Sequence and coordinate work to minimize or eliminate work over others	
			· Ensure tool lanyards are attached to the tool and appropriate anchor point when working at elevation and installed by a trained Tool Tether Advisor	
			· Properly secure materials, parts, or components being installed to prevent dropped items	
			· Be cognizant of areas you walk through or work in. Assess travel paths for active overhead work before walking through the area. Avoid walking in close proximity to any barricaded areas where overhead work is occurring.	
			· Erect red Danger barricades at a 2:1 ratio (One foot out per two feet of elevation) when possible, to protect ground personnel from overhead work hazards. Utilize an Overhead Safety Watch when this ratio cannot be obtained.	
			· Do not enter the barricade area while work is occurring	
			· If access is necessary to a barricaded area where overhead work is occurring, request work be suspended and the barricade dropped until the need to access the area has been resolved	
			Scaffolds Platforms	
			· Scaffolds must be tagged and inspected for current shift prior to accessing.	
			· Ensure toe boards are properly installed	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			· Ensure debris netting is installed and in good condition (e.g., no cuts or tears, secured to scaffold floor	
			· Touch the Tag prior to accessing and verify current inspection	
			- When accessing a scaffold from a ladder, do not pause on the ladder for any reason. Only use the ladder to access the scaffold.	
			Mobile Elevated Work Platforms (MEWPs)	
			· Only trained operators may operate an aerial lift	
			· Do not operate any aerial lift while the lift is charging	
			· Ensure inspected and operational fire extinguisher is present in the lift prior to operating	
			-Ensure debris netting is installed and in good condition	
			· Only use aerial lifts to access elevated work areas not accessible via stairs or where scaffolds cannot be constructed to access elevated work areas	
			· All occupants must wear safety harness with lanyard attached to lift's engineered tie-off point prior to operating or working from the lift.. No operation is allowed without being tied-off.	
			Ladder Use	
			· Ensure that A-Frame ladders are secured near the top of the ladder by strap/rope or by someone physically holding the A-Frame Ladder at the base of the ladder. Only use inspected ladders inspect ladders prior to use to ensure no damage has occurred since last inspection	
			· Do not stand on the ladder platform or top step (top two steps. . Do not straddle step ladders	
			· Maintain body positioning between side rails of a ladder, do not reach outside the plane of the ladder	
			· Always maintain three points-of-contact when using a ladder	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			· Place ladders on firm, level surfaces. Secure them or have them held by another person to prevent slipping.	
			· Only nonmetallic ladders will be purchased and used on the site.	
			All access ladders (portable and permanent) 14 feet in length or greater shall be equipped with a Self-Retracting Lifeline or approved ladder-climbing device	
General Site Activities	Temporary Electrical Power	Electrical Shock Fire Property Damage	· Maintain clear and unrestricted access to all Temporary Power corrals	
			· Never place any water bottles or other liquids on top of any Temporary Power equipment	
			· Contact Temporary Power on Channel 12 for assistance with any temporary power needs, requests, or issues	
			· Do not enter 480 Volt Temporary Power distribution corrals or move any 480 Volt cable	
			· Do not alter or improvise any temporary power circuits	
			· Protect temporary wiring from damage. Elevate extension cords 7' off the ground using S-hooks or power cable stands or protect with covers if elevating is not possible	
			· Protect light bulbs to prevent breakage and exposure to energized sockets	
			· Inform Craft prior to energizing systems or buildings	
			Follow Y17-95-64-801, *UPF Energy Isolation Management (EIM) – Lockout/Tagout(LOTO)* processes prior to performing work on an energized system.	
			· Provide portable gas powered generators for outside work only	
			· Position generators outdoors away from an enclosed area to minimize exposure to exhaust	
			· Allow generators to cool prior to refueling	
			· Use generator in accordance with manufacturers recommendations	
			· Inspect all extension cords prior to use	
			· Do not daisy chain extension cords	
			-Ensure an inspected GFCI is installed on all extension cords	

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Activity	**Sub-Activity**	**Hazard**	**Control**	
			· Only use an inspected (e.g., color-coded) GFCI with each electrical cord	
General Site Activities	Refueling, Equipment Maintenance - Spill Prevention	Spills: Hydraulic, Fuel, Oil	· Maintain adequate spill response materials at the job site	
			· Monitor all refueling activities closely	
			· Do not perform refueling or maintenance activities in close proximity to any drainage or surface waters	
			· Notify UPF Environmental and your Supervisor immediately after discovering any small spills	
			· In the event of a large, significant spill that requires emergency response assistance, immediately contact the OC at 865-574-7172	
General Site Activities	LIVE Plant	Energized Equipment	· LIVE Plant Training is required to enter the MEB, PSF, MPB, SAB, and PSB.	
			· Work authorization from Start-Up is required prior to performing work activities on systems that are turned-over to Start-Up	
			· Visitors that do not have LIVE Plant training can be escorted only by individuals selected by the Project Start-up Manager.	
Personal Protective Equipment (PPE)	General Requirements	Laceration Abrasion Contusion	· PPE shall be capable of providing protection against risk(s) without compromising	
			individual safety	
			· PPE shall properly fit the user/worker	
			· PPE shall be compatible with the work to be performed	
			· PPE shall be of safe design and construction and in compliance with a nationally recognized standard for the work to be performed. Nationally recognized PPE standards include those from the following organizations:	
			o American National Standards Institute (ANSI)	
			o American Society for Testing and Materials (ASTM)	
			o National Fire Protection Association (NFPA)	

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			o National Institute for Occupational Safety and Health (NIOSH)	
			o Underwriters Laboratories, Inc. (UL)	
			· PPE shall be used and maintained in a sanitary and reliable condition. PPE that has been altered beyond the manufacturer's recommendations is prohibited at the UPF construction site. Any such PPE shall be removed from the site and then either repaired or destroyed	
			· Specialized PPE, such as respirators or fall protection, requires additional training and/or medical qualifications before use. These items are outlined in their respective procedures	
Personal Protective Equipment (PPE)	Site Minimum - Clothing	Laceration Abrasion	**Safe Work Apparel—Construction/Warehousing Areas**	
			· Minimum safe work apparel requirements include:	
			o Durable shirts with full-length sleeves (continuous) that cover the entire upper torso and arms. Shirts constructed of mesh and/or netting material are prohibited	
			NOTE: *Arm sleeves (synthetic/compression material) combined with short-sleeved shirts do*	
			not meet this requirement.	
			o Full length durable pants in good condition that extend to the ankles	
			o Clothing made of natural fibers (e.g., cotton) is recommended	
			o Avoid wearing loose clothing, rings, and/or necklaces that may contact or get caught or tangled in moving parts, equipment, or energized systems	
Personal Protective Equipment (PPE)	Site Minimum - Headwear	Struck-by Overhead Hazard	**Head Protection**	
			· Hardhats must comply with ANSI Z89.1, *American National Standard for Industrial Head Protection*. Hardhats must be worn in accordance with the manufacturer's requirements and with the brim facing forward, unless the ES&H Manager or designee provides a written exception. Hardhats, other than those issued by the UPF, or current employer (subcontractor), are prohibited	

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JHA NO.:		**JHA-00720**	**REV:** 8	**ISSUE DATE:** 08/17/2026
JHA TITLE:		**General Site Activities**	**WORK PACKAGE NUMBER/TEST INSTRUCTIONS:** N/A	**SPECIFIC LOCATION:** N/A
Activity	**Sub-Activity**	**Hazard**	**Control**	
			· Do not wear a ball cap or any unapproved headgear under the hardhat. Hardhats fit best when worn directly on the head however, some garments (e.g., bandanas, welding skullcaps, fabric winter liners, and tight-knit stocking caps) may be worn under the hardhat as long as these items do not diminish the protective properties of the hardhat	
			· Hardhats must be worn at all times while on the UPF construction site, with the following exceptions:	
			o Inside an enclosed vehicle/equipment cab	
			o In an office	
			o Taking a break in a designated PPE-free area	
			o Walking on a designated PPE-free pathway between the office/trailer building and the parking lot	
			· A hardhat must be worn in conjunction with a welding hood when performing welding or similar hot work operations	
			· The use of a welding hood alone without a hardhat is allowed if approved/authorized by the Responsible Superintendent and an ES&H Representative. This exemption may occur when welding needs to take place in a location that is physically restrictive and impedes the safe use of a hardhat. The use of alternative head/face protection must be evaluated and implemented as determined by the evaluation	
			· Store hardhats in a clean and dry location. Never use paint, solvents, hydrocarbon-type cleaners, glue, or other similar chemicals on hardhats. These substances can cause serious damage that may not be visible upon inspection	
			· Visually inspect the shell and suspension system of the hardhat daily for breakage, cracks, scratches, gouges, hairline cracks, discoloration, chalky appearance, or other unusual condition. Inspect the shell for brittleness by flexing the brim. Any of these conditions indicates a loss of protection from impact and electrical conductivity	

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JHA TITLE:		**General Site Activities**	**WORK PACKAGE NUMBER/TEST INSTRUCTIONS:** N/A	**SPECIFIC LOCATION:** N/A
Activity	**Sub-Activity**	**Hazard**	**Control**	
			Alternate Forms of Head Protection	
			· Alternate forms of head protection, such as bump caps or climbing helmets, may be suitable for select work tasks that require maneuvering in tight spaces with low overhead clearance or overhead hazards from falling/flying objects are not present	
			· Use of an alternate form of head protection may be allowed when:	
			o Hardhats have been demonstrated to be impractical or create an additional hazard	
			o There is no exposure to falling/flying objects that a hard hat would protect the user from	
			o The task is evaluated by the Responsible Superintendent and an ES&H Representative and documented on the Field Level Hazard Assessment (FLHA) card for the task	
Personal Protective Equipment (PPE)	Site Minimum - Footwear	Struck-by Contusion Abrasion	**Footwear—Construction/Warehousing Areas**	
			· Personnel assigned to or visiting Construction/Warehousing areas shall wear safety-toed, sturdy leather work boots that cover the ankle and meet or exceed the requirements of ASTM F2413, Standard Specification for Performance Requirements for Protective (Safety) Toe Cap Footwear. Footwear such as tennis/athletic shoes, open-toed shoes, sandals, moccasins, high heels, boat shoes, and mules are not acceptable footwear at construction and warehousing locations	
			· Footwear must be in good condition, free from holes, tears, and other damage that impacts their protective qualities	
			· Use metatarsal guards in conjunction with the protective footwear as identified in the JHA for the task	
			· Personnel assigned to or visiting Construction/Warehousing Support Facilities (e.g., office trailers or buildings) shall wear sturdy, closed-toed shoes in good condition with a maximum one-inch heel. Footwear such as open-toed shoes, sandals, moccasins, high heels, boat shoes, flats, mules, etc., are not acceptable footwear	
Personal Protective	Site Minimum - Eyewear	Flying Particles	· Eye protection (safety glasses) must meet the specifications of ANSI Z87.1, *American National Standard for Occupational and Educational Personal Eye and Face Protection Devices*	

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JHA TITLE:		**General Site Activities**	**WORK PACKAGE NUMBER/TEST INSTRUCTIONS:** N/A	**SPECIFIC LOCATION:** N/A
Activity	**Sub-Activity**	**Hazard**	**Control**	
Equipment (PPE)			· Do not wear non-photochromic glasses with tinted lenses inside a building or other structure with limited (temporary) illumination, regardless of whether they are prescription or non-prescription glasses	
			· Wear eye protection at all times while on the UPF construction site or warehouse area, except when:	
			o In an office or a trailer	
			o Operating a vehicle or equipment inside an enclosed cab	
			o Wearing goggles or respiratory protection that provides equal or greater levels of protection	
			· Personal prescription eyewear must have impact-rated (ANSI Z87.1) lens, frames, and permanently affixed side shields. If assistance is needed in determining whether specific glasses meet the ANSI standard, then contact a supervisor or an ES&H Representative	
			· Inspect eye and face protection for damage and wear and tear before each use. Before wearing safety glasses, inspect the frames for cracks and deformation and inspect the lenses for extensive scratches that limit visibility. Inspect goggles for pliability to ensure a good fit to the face. Check the headband and vents, if applicable, for signs of degradation and deterioration. Inspect face shields and suspension systems for breakage, cracks, scratches, and other detrimental conditions	
			· Safety glasses, goggles, and face shields may be cleaned with an eyeglass cleaner. Do not use ammonia, alkaline cleaners, abrasive cleaning compounds, or solvents	
Personal Protective Equipment (PPE)	Site Minimum - Hand Protection	Laceration Abrasion Contusion	· Hand protection shall be worn in all active Construction and Warehousing areas with the exception of designated PPE-free areas or for tasks that have been evaluated and require gloves to be removed (e.g., touchscreen use)	
			· Utilize hand protection appropriate for the hazards and the tasks to be performed	
			· The following are for hand protection:	
			o Impacts, cuts, abrasions, and infections	

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JHA TITLE:		**General Site Activities**	**WORK PACKAGE NUMBER/TEST INSTRUCTIONS:** N/A	**SPECIFIC LOCATION:** N/A
Activity	**Sub-Activity**	**Hazard**	**Control**	
			o Extreme temperatures	
			o Chemicals and other hazardous substances	
			o Inspect hand protection before each use. Discard damaged and/or worn gloves with holes, tears, and/or other signs of deterioration	
			· The following are for Hand Protection selection:	
			o Use only hand protection that is approved and provided by the Project. Refer to ML-SH-801768-A003, *UPF Gloves Matrix*, for a sample of Project approved hand protection	
			· Selected hand protection must meet or exceed the following minimum requirements	
			· Gloves must meet cut resistance equal to or greater than Level A5 as defined in ANSI/International Safety Equipment Association (ISEA) 105 (2016), *American National Standard for Hand Protection Classification*, or equivalent	
			· Gloves must meet puncture resistance equal to or greater than Level 2 as defined in EN 388 2003, *Protective Gloves against Mechanical Risks*, or equivalent	
			· Where impact hazards are identified (e.g., present risks to hands or fingers such as being caught in/between or struck by/against hazards), gloves with impact protection are required	
Personal Protective Equipment (PPE)	Site Minimum - High Visibility Apparel	Struck-by	Wear appropriate, high-visibility apparel when required. High-visibility apparel includes safety vests, jackets, shirts, and other personal protective safety clothing that is intended to provide visibility during both daytime and nighttime usage and that meets the Performance Class 2 requirements of ANSI 107, *American National Standard for High-Visibility Apparel and Headwear*.	
Working Around Energized Cable	Working Around Energized Cable	Arc-flash; Electric Shock	Cable trays with energized cables running through them will be identified depending on their voltage according to Y17-95-64-880, Electrical Safety in the Workplace. If your scope of work necessitates working around/above start-up owned cable that has been energized contact your supervisor to ensure appropriate controls are implemented.	

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JHA TITLE:		**General Site Activities**	**WORK PACKAGE NUMBER/TEST INSTRUCTIONS:** N/A	**SPECIFIC LOCATION:** N/A
Activity	**Sub-Activity**	**Hazard**	**Control**	
			Refer to JHA-00764, *Working Around Energized Cable* for specific requirements and controls.	
Housekeeping	General Cleaning of Work Areas	Environmental Dusts/Nuisances	• When sweeping/vacuuming work areas, perform the activity in a manner to reduce the emission of fugitive dust. If there is fugitive dust as a result of dry sweeping, additional controls must be utilized. This can be accomplished by wet sweeping or HEPA vacuuming. If this is not possible, contact your supervisor to evaluate the work area and material to provide the appropriate controls. • If the material contains Crystalline Silica (cementitious fireproofing, concrete, etc.), it **must** be wet swept or HEPA vacuumed.	
AED Use	Indications and Use of the AED	Bloodborne Pathogens Shock	Project personnel who voluntarily respond should understand the indications for the use of an AED by following instructions located on the AED. In addition, personnel:	
			· When called to a scene of a collapsed victim, assess the scene for safety hazards. Do not become the next victim wear disposable gloves	
			· Verify the victim is unconscious, then proceed with the AED algorithm as shown in Appendix B of UPF-CP-315 *Automated External Defibrillator (AED) Requirements*	
AED Use	Follow-up after Each Use of the AED	Bloodborne Pathogens Shock	Follow-up actions shall include the following, as a minimum:	
			· Immediate notification of AED use to the AED Coordinator with CORE Medical for AED assessment, cleaning, and follow-up actions IAW UPF-CP-315 *Automated External Defibrillator (AED) Requirements*	
AED Use	Sanitation and Clean-up	Bloodborne Pathogens Shock	After use of an AED, the following minimum requirements apply:	
			· Coordinate with CORE Medical for proper disposal of all gloves, masks, and potentially infectious material in specified receptacle	
			· Thoroughly wash hands with non-abrasive soap and water after removing soiled gloves	

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JHA TITLE:		**General Site Activities**	**WORK PACKAGE NUMBER/TEST INSTRUCTIONS:** N/A	**SPECIFIC LOCATION:** N/A
Activity	**Sub-Activity**	**Hazard**	**Control**	
			· CORE Medical/AED Coordinator shall follow the AED manufacturer's cleaning recommendations using the proper cleaning agent	
General Site Activities	Potential Bloodborne Pathogen Exposure	Bloodborne Pathogens	- UPF Personnel shall not interact with Blood or Other Potentially Infectious Materials (OPIM) as defined by 1910.1030 - Comply with Universal Precautions. Under circumstances in which differentiation between body fluid types is difficult or impossible, consider the material(s) potentially infectious. - Avoid and barricade off areas where BBP is present or suspected (Injury/Incident sites) - Do not attempt to perform cleanup of BBP - Contact Industrial Hygiene/ES&H for worksite evaluation and coordinate with CORE Medical for cleanup of BBP - NOTE: Voluntary actions (Good Samaritan Act) in response to site occurrences are not prohibited by these instructions. - Should potential exposure occur, report to CORE Medical for evaluation	
General Site Activities	Needles/Sharps	Bloodborne Pathogens Needlestick	- For personal medical conditions, do not dispose of needles/sharps in regular trash. - Utilize personal medical sharps container or coordinate with CORE Medical for proper disposal. - Sharps containers are designed for the safe disposal of needles, syringes, and other medical instruments and can prevent injury from needle sticks and exposure to blood-borne pathogens. Always ensure medical instruments, needles, and syringes are safely disposed of. - The Following are the locations of the Sharps Containers for mandatory disposal: o 1st Floor CSB, by the South Entrance o 2nd Floor CSB, across from the restrooms o 3rd Floor CSB, inside the "Wellness Room" o West of the medical trailer, next to the restroom trailer - Should a suspected/potentially contaminate sharp (needle, syringe, etc.) be discovered, barricade area off and coordinate with Industrial Hygiene/ES&H for review and coordination with CORE Medical.	

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JHA TITLE:		**General Site Activities**	**WORK PACKAGE NUMBER/TEST INSTRUCTIONS:** N/A	**SPECIFIC LOCATION:** N/A
Activity	**Sub-Activity**	**Hazard**	**Control**	
General Site Activities	Working near sharp material	Cuts/Injury/Infections	Safety Precautions: When working with sharp objects, it's crucial to use personal protective equipment (PPE) like gloves and safety glasses to prevent injuries. Types of Sharpness: Sharpness can vary based on factors like edge angle and material hardness. Sharp Objects include metal, glass, medical instruments, and other sharp material can pose significant injury and accidents if not identified during the work tasks. Health Risks: Injuries from sharp materials can lead to serious harm, including cuts and infections, making proper disposal and handling essential. If sharp material is identified when performing any work, pause work and report the sharp material to your supervisor or ES&H. o Wear gloves resistant to punctures and cuts. Choose gloves based on the hazards normally expected for the task. o Don't reach into wastebaskets or disposal containers with bare hands; they could contain broken glass or sharps. Sharp material poking through bags can easily cut unprotected hands or legs. o Don't rush or take shortcuts when handling sharp equipment or tools. Protect yourself and others by handling sharp objects safely. Preventive Measures: To minimize risks, ensure tools are stored safely, avoid carrying sharp items, and follow safety guidelines when using sharp tools.	

UPF JOB HAZARD ANALYSIS

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JHA TITLE:	**General Site Activities**	**WORK PACKAGE NUMBER/TEST INSTRUCTIONS:**	**N/A**	**SPECIFIC LOCATION:**	**N/A**
Ensure a new corresponding CFN-1251, *UPF Construction Attendance Sheet*, is signed and inserted in the CWP to document JHA briefing.					
PREPARER:	Derek Whitman Printed Name/Signature			08/17/26 Date	
APPROVAL:					
ES&H:	Connor McDonnell Printed Name/Signature			08/17/26 Date	
SITE MANAGER/PSUM: (DOA-CM-801768-A214)	Brian Rygwelski Printed Name/Signature			08/18/26 Date	

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Revision Change Log Date:	Revision #	Changes Made
1/30/2026	7	**Page 34** Sharps containers are designed for the safe disposal of needles, syringes, and other medical instruments and can prevent injury from needle sticks and exposure to blood-borne pathogens. Always ensure medical instruments, needles, and syringes are safely disposed of. - The Following are the locations of the Sharps Containers for mandatory disposal: o 1st Floor CSB, by the South Entrance o 2nd Floor CSB, across from the restrooms o 3rd Floor CSB, inside the "Wellness Room" o West of the medical trailer, next to the restroom trailer
1/30/2026	7	**Page 35** Safety Precautions: When working with sharp objects, it's crucial to use personal protective equipment (PPE) like gloves and safety glasses to prevent injuries. Types of Sharpness: Sharpness can vary based on factors like edge angle and material hardness. Sharp Objects include metal, glass, medical instruments, and other sharp material can pose significant injury and accidents if not identified during the work tasks. Health Risks: Injuries from sharp materials can lead to serious harm, including cuts and infections, making proper disposal and handling essential. If sharp material is identified when performing any work, pause work and report the sharp material to your supervisor or ES&H. o Wear gloves resistant to punctures and cuts. Choose gloves based on the hazards normally expected for the task. o Don't reach into wastebaskets or disposal containers with bare hands; they could contain broken glass or sharps. Sharp material poking through bags can easily cut unprotected hands or legs. o Don't rush or take shortcuts when handling sharp equipment or tools. Protect yourself and others by handling sharp objects safely. Preventive Measures: To minimize risks, ensure tools are stored safely, avoid carrying sharp items, and follow safety guidelines when using sharp tools.
8/17/26	8	• pg 9 - General Site Activities/ Stairways, Floors, and Aisle Ways – 3rd bullet: FM abbreviation has not been defined • pg 16 - General Site Activities/ Outside Work Activities - Environmental Exposures: Cold stress (Control), last bullet - typo: "1 O' " should probably be "10' "

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		• pg 18 - General Site Activities/ Heavy Equipment Operations: 4th bullet: The reference to Table 6, of the manual, is no longer accurate. The reference should refer to Table 2. Optionally, consider removing the table # reference and use the table title. • pg 24 - General Site Activities/ Elevated Work - Elevated Work, Work Area or Inspection Access: 3rd bullet: question mark typo • pg 25 - General Site Activities/ Elevated Work - Elevated Work, Work Area or Inspection Access: Ladder Use: consider adding ladder tie off information/ direction. • pg 32 - Personal Protective Equipment (PPE)/ Site Minimum - High Visibility Apparel: Reference is made to Table 1. There is no Table 1 in this JHA. **Page 22- Added the following:** **Follow "JHA-721, Hand and Power Tools" for specific guidance on grinding work task activities.**