UPF JOB HAZARD ANALYSIS

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JHA NO.:	**JHA-00723**	**REV:**	**2**	**ISSUE DATE:**	**06/16/2026**
JHA TITLE:	**Housekeeping and Grounds Maintenance**	**WORK PACKAGE NUMBER:**	**N/A**	**SPECIFIC LOCATION:**	**N/A**

Activity	Sub-Activity	Hazard	Control
Trash Chutes	Trash Chutes	Dropped Objects	· An enclosed trash chute shall be supplied when debris and materials are required to be dropped more than 20 feet to any point lying outside of the exterior walls of the building.
		Fall to Elevation Below	· No material can be dropped to any point lying outside the exterior walls of the structure unless the area is effectively protected
		Fire	· Enclose all material chutes or sections thereof at an angle of more than 45 degrees from the horizontal, except for openings equipped with enclosures at or about floor level for the insertion of materials. The openings shall not exceed 48 inches in height measured along the wall of the chute, and all stories below the top floor, such as openings, shall be kept closed when not in use
			· Install a substantial gate in each chute at or near the discharge end. Assign a competent employee to control the operation of the gate and the backing and loading of trucks
			· Securely close off the area surrounding the discharge end of the chute when operations are not in progress
			· Protect any chute opening into which workers dump debris by a substantial guardrail approximately 42 inches above the floor or other surface on which the workers stand to dump the material. Any space between the chute and the edge of the openings in the floors through which the chute passes shall be solidly covered
			· Where the material is dumped from mechanical equipment or wheelbarrows, provide a securely-attached toe board or bumper of no less than four inches thick and six inches high at each chute opening
			· Design and construct chutes at a strength that will eliminate failure from impact of materials or debris loaded therein and follow the manufacturer's instructions for installation and use
			· Use adequate fire protection methods (i.e., sprinklers, hose, extinguishers, or barriers) as needed for the particular hazard present. This directive also applies during the construction of the chute

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Activity	**Sub-Activity**	**Hazard**	**Control**
			· Provide protection of openings in exterior walls and protection of combustible exterior building surfaces adjacent to the chute
			· Remove accumulations of combustible waste material, dust, and debris from the immediate vicinity of the chute and collection container at the end of each work day to minimize exposure to fires
			· Construct trash chutes used in the interior of a building of noncombustible construction material
			· Ensure the main artery of the chute is as straight as practical to avoid accumulations or clogging within the chute
			· Inspect trash chutes for visible defects on a quarterly basis and after any occurrence that could affect their safe use
			· Place a tag that reads "Danger. Defective Tool/Equipment. Do Not Use" on trash chute equipment found damaged or unacceptable for use, in accordance with this Procedure, and notify supervision
			· Document quarterly inspections using UCN-23240, *Chutes Inspection Sheet*, and submit the completed form to the Document Management Center (DMC)
			· Identify chute inspections using ML-SH-801768-A001, *UPF Color Code List for Documentation of Inspections*
Pressure Washing Activities	General Requirements	Laceration	· Zero-degree (red) spray tips are not permitted for general pressure washing activities. Keep body parts clear of spray nozzle while in use. Never direct spray towards self or other personnel. Pressure washing activities require the use of metatarsal foot protection (i.e., rubber boots with integrated metatarsal protection)
		Hypothermia	· If the ambient temperature falls to thirty-two (32) degrees Fahrenheit (F) or lower and there is potential of back spray that causes the outer layer of clothing to become wet, the following provisions shall be considered:
		Flying Debris	o Wear water resistant clothing such as rain gear or TyChem coverall

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Activity	**Sub-Activity**	**Hazard**	**Control**
		Equipment Failure - Pressure Release	o Plan work so it will be performed away from windy, drafty, or unprotected areas as much as possible
			o If the ambient temperature reaches twenty (20) degrees or lower all pressure washing activities shall be evaluated for approval by ES&H and Supervision
			o Wear safety glasses or goggles and a face shield
			o Reference ML-SH-801768-A002, *Eye and Face Protection List*
			· Consider the inclusion of barricade and signage when person is working in the immediate vicinity of pressure washing activities. Install caution barricade tape with caution signs or tags at a sufficient distance around the work activity to prevent inadvertent access by personnel
			· Inspect hoses for possible cuts, leaks, or defects prior to use. Replace defective hose before use to avoid possible injury
			· When adding additional hoses, ensure unit is turned off and system is de-pressurized
Blow Wand for Cleaning	General Requirements	Foreign Particles	· Use a commercially available blow wand
		Airline Coupler Failure	· Wear sealed safety glasses or goggles and a face shield
		Inhalation of Silica Dust	· Use whip restraints and excess flow check valves on air lines
			· Compressed air cleaning of surfaces or clothing is not allowed unless this method is used in conjunction with a ventilation system that effectively captures the dust or other approved means that eliminate airborne dust generation (i.e., water/wetted surface)
Site/Grounds Maintenance	Road/Ground Maintenance Material Stockpiling	Contact with Underground Utilities	· Inspect and survey work areas to identify underground utilities. Do not stockpile materials over areas with known underground utilities where the ground covering can be removed over time by the work process (e.g., rock stockpile or concrete waste area).

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Activity	**Sub-Activity**	**Hazard**	**Control**
	Waste/Spoils Maintenance		
Site/Grounds Maintenance	General housekeeping, landscaping, wetlands maintenance, etc.	Biological Hazards	· Notify Supervisor and UPF Medical Provider of known allergies and carry all necessary medications/treatments (i.e., EpiPen) when needed
		Poisonous Plants	· Wear durable long sleeve shirts, durable full-length pants, boots, and gloves
		Venomous Wildlife	· After use, clean tools with rubbing alcohol (isopropanol or isopropyl alcohol) or soap and lots of water. Urushiol can remain active on the surface of objects for up to 5 years - wear disposable gloves during this process
		Vector-borne Diseases	· Avoid contact with all wildlife and insects and report any sighting to Supervisor
			· Inspect or shake out any clothing, shoes, towels, or equipment before use
			· Trim or eliminate tall grasses from around outdoor work areas and keep work areas clean and neat
			· Check your skin and clothes for ticks every day
			· Shower or bathe as soon as possible after working outdoors to wash off
			· Wash and dry work clothes in a hot dryer to kill any ticks present
Site/Grounds Maintenance	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.

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Activity	Sub-Activity	Hazard	Control
			• Wear gloves resistant to punctures and cuts. Choose gloves based on the hazards normally expected for the task. • 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. • 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.
Housekeeping	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: • 1st Floor CSB, by the South Entrance • 2nd Floor CSB, across from the restrooms • 3rd Floor CSB, inside the "Wellness Room" • 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.
Housekeeping	Potential Bloodborne Pathogen Exposure	Bloodborne Pathogen	- 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

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Activity	Sub-Activity	Hazard	Control
			prohibited by these instructions. - Should potential exposure occur, report to CORE Medical for evaluation
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 • CORE Medical/AED Coordinator shall follow the AED manufacturer's cleaning recommendations using the proper cleaning agent
COVID-19 Cleaning and Disinfection	General Disinfecting	Contact with Chemicals (absorption, inhalation, ingestion)	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*
			· Follow the assigned work controls specified in the SDS Evaluation Form.
COVID-19 Cleaning and Disinfection	Electrostatic Spraying	Contact with Clorox Total 360 (absorption, inhalation, ingestion)	· Use Electrostatic Sprayer in well ventilated areas

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Activity	**Sub-Activity**	**Hazard**	**Control**
		Electrical Shock	· Restrict the immediate treatment area (~10 feet) to only authorized personnel during treatment
			· Disinfect surfaces at approximately 2-4 feet away and always stay out of the aerosol generating visible spray
			· Wear Latex or Nitrile disposable gloves
			· Wear Mono-goggles or a face shield
			· At a minimum a half-face Air Purifying Respirator (APF 10) with a P100 filter is required when fogging with Clorox 360
			· P100 Particulate filters need to be replaced when:
			o The user has difficulty breathing comfortably or notices an increase of breathing resistance resulting from particle buildup
			o The filter becomes visibly dirty
			o The filter is physically damaged
			o Or at a minimum of every 30 days inclusive of the above requirements
			NOTE: *Respiratory protection is not required when using the Hypochlorous Acid Disinfectant Solution.*
			· Wash hands with soap/water or hand sanitizer (60-95% alcohol) after disinfecting activities
			· Prior to use, check electrical cords and equipment for defects (if equipped). Corded tools must be operated in conjunction with ground fault circuit interrupter (GFCI).

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Ensure a new corresponding CFN-1251, *UPF Construction Attendance Sheet*, is signed and inserted in the CWP to document JHA briefing.

PREPARER:	**Derek Whitman**	Derek Whitman	06/16/26
	Printed Name/Signature		Date
APPROVAL:			
ES&H:	**Justin Weibert**	Justin Weibert	06/16/26
	Printed Name/Signature		Date
SITE MANAGER: (DOA-CM-801768-A214)	**Brian Rygwelski for Justin Swanson**	Brian Rygwelski Digitally signed by: Brian Rygwelski DN: CN = Brian Rygwelski C = US O = u.s. government OU = department of energy, Y-12 NSC, people Date: 2026.06.25 13:41:58 -04'00'	6/25/26
	Printed Name/Signature		Date

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Revision #	What was the Revision?
2	See Highlight on pages 4,5,6