



UPF JOB HAZARD ANALYSIS

My signature on the corresponding CFN-1251, UPF Construction Attendance Sheet, indicates that I have read the JHA and have received answers to any questions I had relative to the JHA. My signature further indicates my willingness to comply with the provisions and requirements of the JHA.

JHA NO.:		JHA-00727	REV:	1	ISSUE DATE:	5-1-24
JHA TITLE:		Testing and NDA	WORK PACKAGE NUMBER:	N/A	SPECIFIC LOCATION:	N/A
Activity	Sub-Activity	Hazard	Control			
Nondestructive Testing	General Requirements	Ionizing Radiation	Project personnel must be informed of radiographic testing through briefings, printed notices, electronic communication, or other effective means of communications. As a recommended practice, communicating information regarding radiography testing using site maps or plot plans, distributed as part of daily ES&H communication, should be considered.			
			Barricades (also referred to as barriers), constructed of yellow and magenta tape, rope, flagging, chain or equivalent, must be erected to delineate the boundary between safe areas and the radiography area. Elevations above and below the level where radiography operations occur must be controlled through barricades and warning signage established at all access points (e.g., ladders and stairwells) to prevent unauthorized personnel from unintentionally accessing the radiography area from above or below.			
			The radiography area must be clear of unauthorized personnel prior to each exposure and under constant visual surveillance during each exposure.			
Pneumatic Pressure Testing	General Requirements	Over Pressurization	Contact IH for specific hearing protection requirements.			
		Unnecessary Exposure/ Inadequate Communication	Barricade and Signage:			
		Laceration	· Install caution signs, or caution barricading tape with caution signs or tags requiring hearing protection at the approximate eighty-five (85) DbA boundary			
		Noise (Pneumatic Pressure Testing)	List the noise sources and contact information on the sign or tag:			
		Pressure Release/Flying Particles	· Supervisor's name, phone number, or radio channel			
		Unintentional Release of Stored Hazardous Energy (Pneumatic)	· Wear sealed safety glasses or goggles and a face shield OR safety glasses and a face shield when depressurizing pneumatic pressure tests			
			· Secure hoses with properly installed whip restraints			
			· Install danger barricade tape with danger signs or tags at the Minimum Required Test Boundary as defined in the CFN-1057, <i>UPF Pneumatic Test Safety Plan</i> .			

RC-UPF DMC

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Activity	Sub-Activity	Hazard	Control			
			· List the contact information on the sign or tag: supervisors name, phone number, or radio channel			
			· Examination will not begin until the pressure has been maintained for at least 10 minutes at test pressure and then dropped to design pressure			
			· When releasing pressure after completion or suspension of the test, keep barricades and signs or tags in place until pressure has been released and the gauges are near zero (0)			
			· Ensure all fittings, connections, and test plugs are secured and/or torqued			
			· When increasing or releasing pressure, slowly open valves to avoid hammering the system. Report leaks as soon as they are identified. Release energy in a direction that will minimize exposure			
			· Do not adjust or tighten pipe or tubing fittings or bolted connections if the pressure is above one hundred and sixty-five (165) psi			
			· Fittings are to be adjusted or tightened only when the pressure is 165 psi or lower			
			· Implementation of Y17-95-64-801, <i>UPF Construction Phase System and Equipment Safety Lockout/Tagout</i> , when pressure test boundary valves are against an energized system			
			· Ensure all required safety tagging is in place			
Hydrostatic Pressure Testing	General Requirements	Unidentified and Unmitigated Hazards	· The use of pressure relief valve(s) is required. Address the set pressure, sizing, location, and venting of the pressure relief valve			
			· A control point shall be identified. The control point is defined as the location of the testing (i.e., manifold, gas cylinders and/or compressor, pressure gauge, relief valve, isolation valves, etc.) required to safely control and perform the test. The number of persons permitted at the control point shall be kept to a minimum			
			· Notify all potential effected personnel of the test area safety boundaries prior to commencing the test			



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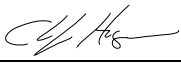
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Activity	Sub-Activity	Hazard		Control							
				<ul style="list-style-type: none"> Contact the Environmental Representatives prior to discharging water for proper method(s) and compliance 							
				<ul style="list-style-type: none"> Ensure all fittings and connections are tight or torqued 							
				<ul style="list-style-type: none"> When increasing or releasing pressure, slowly open valves to avoid hammering the system. Report leaks as soon as they are identified. Release energy in a direction that will minimize exposure 							
				<ul style="list-style-type: none"> Examination will not begin until the pressure has been maintained for at least 10 minutes at test pressure and then dropped to design pressure 							
				<ul style="list-style-type: none"> DO NOT adjust or tighten fittings or bolted connections if the pressure test is greater than 350 psi. Fittings are to be adjusted or tightened ONLY when the pressure is 350 psi or lower 							
				<ul style="list-style-type: none"> When releasing pressure after completion or suspension keep the barricades in place until the pressure has been released and the gauges are near zero (0) 							
				<ul style="list-style-type: none"> Expansion joints will have restraints to prevent over pressurization 							
				<ul style="list-style-type: none"> Barricade and Signage: <ul style="list-style-type: none"> For testing with pressures between 100 psi and 200 psi, install Danger Barricading in a five feet (5) radius around the test rig, test plugs, blind flanges and ventilation caps. For testing with pressures greater than 200 psi, install Danger Barricading in a ten (10) feet radius around the test rig, test plugs, blind flanges and ventilation caps 							
				<ul style="list-style-type: none"> List the contact information on the sign or tag: supervisors name, phone number, or radio channel. 							



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Ensure a new corresponding CFN-1251, <i>UPF Construction Attendance Sheet</i> , is signed and inserted in the CWP to document JHA briefing.					
PREPARER:	Nicholas Prewitt			05/01/24	
			Printed Name/Signature	Date	
APPROVAL:					
ES&H:	Anton Panev			05/01/24	
			Printed Name/Signature	Date	
SITE MANAGER: (DOA-CM-801768-A214)	Chris Hogan			05/02/24	
			Printed Name/Signature	Date	