


SOP (WATERJET CUTTER)

SS-WHS-SAF-000

Authorised By:
Rev 1 19/03/2024



TASK	Waterjet Cutter					
HAZARDS	Flying debris	<input type="checkbox"/>	Heat / cold	<input checked="" type="checkbox"/>	Electricity	<input checked="" type="checkbox"/>
	Cuts / laceration	<input type="checkbox"/>	Dust	<input type="checkbox"/>	Rollover	<input type="checkbox"/>
	Pinch / crush	<input checked="" type="checkbox"/>	Noise / vibration	<input checked="" type="checkbox"/>	Plant interaction	<input type="checkbox"/>
	High pressure	<input checked="" type="checkbox"/>	Other:	<input type="checkbox"/>	Irritation	<input checked="" type="checkbox"/>
PPE REQUIRED						

PRE-START CHECKS

1. Ensure all personnel are trained and competent to operate the waterjet cutter.
2. Inspect the machine for any visible damage or leaks.
3. Check that the waterjet cutting nozzle and abrasive delivery system are properly installed and in good condition.
4. Verify that all safety guards and interlocks are in place and functioning correctly.
5. Ensure that the work area is clear of obstructions and that proper signage is in place.
6. Confirm that the waterjet cutting system is supplied with an adequate water supply and abrasive material.

SAFE OPERATING PROCEDURE

1. Wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, and gloves.
2. Load the material to be cut onto the cutting bed securely and ensure it is properly aligned.
3. Set up the cutting parameters such as pressure, speed, and abrasive flow rate according to the material and thickness being cut.
4. Start the waterjet cutter and observe to ensure smooth and consistent cutting.
5. Monitor the cutting process and be prepared to adjust parameters if necessary to maintain quality and safety.
6. Do not place hands or any body part near the cutting area while in operation.
7. If any abnormalities or malfunctions occur, immediately stop the machine and investigate the issue before resuming operation.
8. After cutting is complete, turn off the waterjet cutter and clean the cutting area of any debris or waste material.
9. Dispose of waste material properly according to company guidelines.

POST-OPERATION PROCEDURE

1. Perform a visual inspection of the waterjet cutter to ensure no damage or leaks have occurred during operation.
2. Clean and lubricate the machine as necessary to maintain optimal performance.
3. Document any maintenance or issues encountered during operation.
4. Securely store abrasive material and any other consumables in designated areas.
5. Shut off power to the waterjet cutter and secure the area before leaving. Report any defects or problems noted during use or inspection.