	<p style="text-align: center;">Hydro Blasting Operations Safe Work Practice (SWP)</p>				
Control number:	HSE-SWP-7	Revision date:	12/26/2024	Rev #:	0
Approved by:	Derrick Landry	Revised by:	Madison Myers	MOC#:	24-5

1. Purpose

This Safe Work Practice outlines the safety measures and procedures required to minimize risks associated with hydro blasting operations. It ensures compliance with workplace safety standards and promotes a safe environment for employees and equipment.

2. Scope

This SWP applies to all employees, contractors, and supervisors involved in hydro blasting activities at Peak NDT Solutions. It includes operations involving high-pressure water equipment.


3. Responsibilities

- **Management:**
 - Provide appropriate training, equipment, and personal protective equipment (PPE).
 - Ensure compliance with safety protocols.
 - **Supervisors:**
 - Conduct pre-job safety meetings and risk assessments.
 - Monitor employees for adherence to safe work practices.
 - **Workers:**
 - Follow all safety procedures and use provided PPE.
 - Report hazards, incidents, or near misses to supervisors immediately.
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4. Hazard Identification

List common hazards in hydro blasting:

- High-pressure water injuries (e.g., lacerations, penetration).
- Equipment failure or malfunction.

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- Slippery surfaces caused by water overspray.
- Noise hazards from equipment.
- Chemical exposure if additives are used.

5. Pre-Operation Requirements

1. **Training:** Ensure all operators are trained and competent in hydro blasting.
2. **Equipment Inspection:**
 - Inspect hoses, nozzles, and fittings for wear or damage.
 - Verify that safety devices (e.g., pressure regulators) are functional.
3. **PPE Requirements:**
 - Full-face shields or helmets.
 - Waterproof, puncture-resistant gloves.
 - Body protection (cut-resistant suits or jackets).
 - Steel-toe boots with non-slip soles.
4. **Worksite Preparation:**
 - Establish exclusion zones and signage to prevent unauthorized access.
 - Ensure proper drainage to avoid water accumulation.

6. Operational Safety Procedures

1. **Startup Procedure:**
 - Conduct a pre-start checklist.
 - Test equipment at low pressure before full operation.
2. **Operational Guidelines:**
 - Always maintain control of the blasting nozzle.
 - Never point the nozzle at people or unprotected equipment.

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- Avoid sharp bends or kinks in hoses.

3. **Communication:**

- Use hand signals or two-way radios for communication in noisy environments.
- Ensure clear visibility between team members.

4. **Emergency Stop:**

- Locate emergency shut-off valves and ensure all workers know their operation.

7. **Post-Operation Procedures**

- Depressurize and safely store all equipment.
- Inspect tools for damage after use.
- Document any issues or maintenance needs.

8. **Emergency Response**

• **Injury Management:**

- Shut down equipment immediately if an injury occurs.
- Administer first aid and contact emergency services as required.

• **Spill or Leak Protocol:**

- Contain and clean up water or chemicals according to spill response guidelines.

9. **Review and Continuous Improvement**

- Conduct regular audits of hydro blasting activities.
- Update this SWP based on new risks, incidents, or equipment changes.
- Hold safety meetings to review and discuss the procedure.