

**HYDROBLASTING CHECKLIST**

<b>Date:</b>	<b>*This checklist is to be completed by the Hydroblasting Crew Leader.</b>		
<b>Hydroblast Unit:</b>			<b>Work Location:</b>
<b>Task / Equipment Description:</b>			
<b>Crew Leader:</b>		<b>Pump Operator:</b>	

**Equipment Information**

Hydroblast Unit #: \_\_\_\_\_ Maximum Allowable Working Pressure:  10K  15K  20K  40K

Check all that apply:  Shotgun  Line Mole  Lance  
 2-D Nozzle  3-D Nozzle  Automated  Vertical  Horizontal

**Additional Hydroblasting Personal Protective Equipment (PPE)**

Face Shield  Slicker Suit  Rubber Gloves  Steel-toe Rubber Boots  Goggles  Respiratory Protection  
 Water Jet Injury Card  
**Shotgunning PPE:**  Metatarsal Protection  Shin Guards  Respiratory Protection

**Operational Protective Equipment – GENERAL HYDROBLASTING OPERATIONS**

Number of High-Pressure Hoses from Pump to Shotgun or Lance: \_\_\_\_\_ Hose Maximum Working Pressure: \_\_\_\_\_ K

Whip Check at Every Connection  All Fittings Rated  Filter on Pump  Rupture Disc in Place  
Hose to Hose; Pump to Hose for max. pressure inspected and clean and properly rated

Adequate Barricade (all access points)  Two (2) Pressure Relief Devices  Flush Water Source & Hoses

Hydroblast Unit Grounded  Fire Extinguisher Present  Wheel Chocks in Place

Hoses Kept Out of Walkways  Hoses are Free of Doors/Equipment That Could Damage the Integrity of the Hose

Hose Protected from Mobile Equipment (Road Ramp in Place)

All Hydroblast Equipment / Fittings / Hoses Visually Inspected

Electrical Equipment Shielded from Water  Hydroblasting PPE Available to All Personnel Entering Barricade

All Camlock Fittings/Caps are Pinned, Wired, or Taped Closed.

**Manual Hand Lancing is prohibited, unless approved by site variance.**

**Operational Protective Equipment – SHOTGUN OPERATIONS**

**Shroud Information:** Manufacturer: \_\_\_\_\_ Shroud Rating: \_\_\_\_\_ K ( $\geq 1 \frac{1}{2}$  times MAWP)  
 6 Feet or Greater  Shroud Covers Whip Hose and Crimp-to-Gun Connection

**Shotgun Information:**

$\geq 48$ " Barrel, shoulder to tip  $\geq 66$ "  Trigger Safety Latch  Trigger Guard in Place  Tip / Nozzle Free of Debris  
 Shin Guards and Metatarsal Protection  Trigger and dump mechanism function properly  Barrel and Parts not contorted

Water Flow: \_\_\_\_\_ gpm Working Pressure: \_\_\_\_\_ psi Back Thrust calculation: \_\_\_\_\_ Lbs.  
 $B=0.052 Q \sqrt{P}$  B = Back thrust, lb Q = Flow rate gal/min P = jet pressure, psi

**Operational Protective Equipment – FLEX LANCE / RIGID LANCE / LINE MOLE OPERATIONS**

Pedal In-Line and In Position to be Controlled by the Lanceman  Pipe Exit Properly Guarded

**Anti-Withdrawal Device (AWD) Information:**

Type of AWD: \_\_\_\_\_  AWD is Mechanically Attached  Die is Correct  Die is Secure  
 Less than 1" gap between snorkel/focus tube and tube sheet  Trained on AWD Use

**Lance / Tip / Nozzle / Stinger Information:**

Size of Lance (inches): \_\_\_\_\_  Tip / Nozzle Free of Debris  
Inside Diameter (ID): \_\_\_\_\_ Stinger Length (For Line Molding stinger rod must be 1.5x ID): \_\_\_\_\_

**Note: A high-pressure hose fails inspection if: the PVC outer covering has a hole, if any metal braids are exposed, if the PVC outer covering has moved from the crimp, and/or if any defects are found that question the integrity of the hose.**

**COMMENTS:**

HYDROBLASTING TEAM LEADER SIGNATURE  
Document Custodian: Refining Safety Department  
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