

SSPC HP and UHP Waterjet Operator Evaluation (Manually Held Gun)

Name of Student:

Date:

Employer:

Test Location:

Evaluator:

Each student must fill in all applicable information and sign the evaluation form for this evaluation to be complete.

I. Each student will identify the major components of the high-pressure waterjetting equipment (2 points each).

1. Check off applicable equipment used to produce water during blasting operations:

Motor: _____ : Pump: Intensifier _____ or Direct Drive _____ Pressure: _____

2. Identify high-pressure hose condition:

Hose Condition: _____ : Type of male and female hose couplings: _____ Safety Devices for Hoses: Between Connections _____ Next to Body _____

3. Identify condition and type of gun:

Dry Shut Off: _____ or Dump: _____ Range: Low Pressure _____ HP _____ UHP _____

4. Identify condition and type of shutoff control valve:

Type: Tumble Box _____ Other _____ Condition:

5. Identify condition of nozzles.

Number: _____ Good Condition?: _____, Cross Threaded? _____

II. The instructor will observe each student performing the following tests of the waterjetting equipment. Students will record all information. (5 points each)

6. Check the layout for perimeter and components, entry access.

Area: _____ : Signage: _____

7. Check the size of the tips to ensure that they are correct to go with the pressure and flow. (Cross Threaded?) _____

8. Without the nozzle, perform a pre-flushing

Condition of water _____ Any leaks _____

9. Put on the hose. Check condition of tips and pressurized system

Spray Pattern

Visible Leaks:

Check to see if head/nozzle _____ or barrell is rotating _____ according to manufacturer's requirements.

10. Will shut-off system operate properly?

Check them all- gun, pump

Dual trigger- on/off- more than 3 second delay?

Tumble boxes—

Emergency shut off

III. An instructor will observe each student waterjetting. Students will be graded for the proper use of PPE and cleaning techniques. Each student will clean a test specimen according to SSPC SP-12/NACE 5 WJ-2 Very Thorough or Substantial Clean Surface and achieve the required visible cleanliness.

11. Student wearing proper PPE during cleaning operation (5 Points)

Yes: _____ No: _____ Explain: _____

12. Did the student use proper cleaning techniques (5 points)

Nozzle Distance: __ Dwell Time: __ Nozzle Angle: ____ Uniformity- squaring up

13. Did the student achieve an SSPC SP12 WJ-2 Very Thorough or Substantial Clean Surface. (10 points)

Yes: _____ No: _____ Explain: _____ Uniformity of Cleaning Strokes
Weld

14. Did the student properly depressurize the system? (5 points)

Yes: _____ No: _____ Explain: _____

Comments:

Evaluation Score: _____

Signature of Student

_____ Date: _____

_____ Evaluator Verification of Student's Government- Issued Photo ID (e.g., Driver's License, Passport)

Signature of Evaluator

_____ Date: _____