

**WORK PROCESSES**  
**HYDRO BLASTER/VACUUM TECHNICIAN**  
O\*NET/SOC CODE 53-7061.00 RAIS CODE: 1110

**Term of Training: 4000 hours**

**Description of Occupation:** Transports, performs setup, inspects, operates, maintains, & repairs high pressure water blasting equipment and industrial vacuuming equipment to perform proper removal, containment, transporting, and disposal of both hazardous and non-hazardous materials for the purpose of cleaning.

**On the Job Learning**

	<b>Approximate Hours</b>
<b>I Class B Commercial Vehicle Operation</b>	<b>500</b>
a) Pre-Inspection	
b) Proper start up and take off procedures.	
c) Proper and safe highway transportation of the cleaning/vacuum equipment to the work site.	
d) Routine maintenance	
<b>II Low Pressure Hydro Blasting</b>	<b>500</b>
a) Evaluation of site and communication with others during site preparation.	
b) Proper site preparation to insure safety of oneself and others.	
c) Identification and use of all safety equipment needed.	
d) Proper setup of equipment	
e) Proper start up and safety checks prior to and after start up.	
f) Adjustment and control settings of 0 to 3,500 lb PSI of pressure at the nozzle.	
g) Techniques & applications used in low pressure to achieve the level of cleanliness needed.	
<b>III. High Pressure Hydro Blasting &amp; Surface Cleaning</b>	<b>1300</b>
a) valuation of site and proper communication with others during site preparation	
b) Proper site preparation to insure safety of oneself and others.	
c) Identification and use of all safety equipment needed.	
d) Proper setup of equipment	
e) Proper start up and safety checks prior to and after start up.	
f) Adjustment and control settings of 3,500 lb PSI to 20,000 lb PSI of pressure at the nozzle.	
g) Adjustment and control settings of 20,000 lb PSI 40,000 lb PSI of pressure at the nozzle.	
h) Techniques & applications used in high pressure to achieve the level of cleanliness needed.	
<b>IV. Low &amp; High Pressure Surface Preparation</b>	<b>200</b>
a) Identification of surface to be cleaned and materials to be removed	
b) Identification & proper procedures for non-hazardous and hazardous materials.	
c) Identification of the various pressure level requirements for various materials and surfaces.	

**V. Bulk Vacuuming** **500**

- a) Proper identification of materials and area to be vacuumed.
- b) Determination of hazards that will be generated.
- c) Proper use and purpose of all safety equipment required.
- d) Determination of size and type of equipment needed.
- e) Proper start up and safety checks prior to and after start of the equipment.
- f) Adjustments and control settings
- g) Proper use and functions of the equipment
- h) Proper shut down of the equipment.
- i) Proper containment and disposal of material removed.

**VI. Vessel Entry** **500**

- a) Identification of the vessel as permit required or non permit required.
- b) Identification, use, purpose & performance of the safety & monitoring equipment.
- c) Performing work in accordance with entry permit and the specifications of the owner.

**VII. Equipment Maintenance & Repair** **500**

Proper use and identification of tools and equipment used for routine maintenance

- a) Routine maintenance & safety checks prior to startup.
- b) Identification of poor performance and trouble shooting the problem.
- c) Proper use and identification of tools and equipment used for repairing.
- d) Making adjustments and repairs.
- e) Proper shut down of the equipment
- f) Routine maintenance & safety checks after shut down.

**TOTAL HOURS** **4000**