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| **Name of Safe Job Procedure**  | **Hydrovac Debris Removal from Vacuum Tube** | **SJP #** | 00-0\_\_  |
| **Hazard Rating:** |[ ]  High |[ ]  Moderate |[ ]  Low |
| **Date Developed:** | Enter Date Here | **Revision Date:** | Enter Date Here |
| **Reviewed by:**(name & title) | Add name of Management representative | **Date:** | Enter Date Here |
| **Reviewed by:** (name & title) | Add name of worker representative.  | **Date:** | Enter Date Here |

**Instructions:**

* Management and Worker representatives must review this safe job procedure (SJP) prior to implementation, annually, or any time the task, equipment, or materials change.
* Do NOT perform this procedure until you have been appropriately trained and authorized to do so by your supervisor.

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| **Required Training:**  |
| * On the job training will be provided for workers to ensure all workers are confident using visual communication methods and hand signals as well as training in emergency shut off procedures and the dangers of wand and vacuum operation.
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**Required PPE**

|[x] [ ] [ ] [x] [x] [x] [x] [ ] [ ] [x]
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| Eye Protection | Half or full-face mask | Face-Shield | Safety Footwear | Hearing Protection for 100 dB | Type of Gloves | Hard Hat | Hi-Visibility Vest | Fall restraint when applicable | No Loose clothing, jewelry  |

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| **Potential Hazards:**  |
| **Loose Clothing*** Remove any strings and tape loose clothing.
* Wear tear-away high visibility vests or detachable rain hoods if needed.

**Loud Noise Levels*** Wear hearing protection at all times.
* Establish hand signals for communicating.

**Overexertion from lifting or tripping over rocks*** Keep back straight and lift with legs.
* Place rocks in a pile in a designated area.

**Suction injury from reaching in a clogged dig tube*** Use a rock extractor to remove blocked tubes.
* Disengage the vacuum and use a bar.
* Never dislodge by reaching the arm up the tube.
* Remove the narrower, bottom section of the tube from the vacuum system.
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| **Pre-Operational Safety Checks**  |
| * A pre-job safety meeting (toolbox meeting) will be held, and a hazard assessment conducted before the dig commences.
* The pre-job safety meeting (toolbox meeting) MUST include a discussion on the dangers involved in placing hands at the opening to the dig tube when the vacuum is operating. **WHEN THE SYSTEM IS “DEADHEADED”, THE VACUUM CAN LIFT A 250 POUND PERSON WITH EASE.**
* Due to noise levels, verbal communication may be impossible; visual contact MUST be established and always maintained, allowing for hand signals. A hand signal method must be determined at the pre-job safety meeting (toolbox meeting).
* The operator and spotter must secure loose clothing using tape to ensure that it does not encounter the dig tube. When wearing rain gear it is highly recommended the Velcro detachable hoods be utilized. Drawstrings should be removed from the hood.
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| **Job Steps:** 1. Do not raise the dig tube more than 45cm (18”) above the ground.
2. Angle the dig tube to allow for easier access to the dig tube.
3. If the dig tube reaches knee level, the vacuum must be shut off immediately. This will prevent any loose clothing from being accidentally drawn into the dig tube.
	1. Disengage the vacuum.
	2. Confirmthat vacuum has stopped by checking pressure gauge.
	3. Identify the location of the obstruction in the hose or rock tower.
	4. If the blockage is in the lower end of the hose- Try to dislodge the object by turning the obstacle; use a bar to push the object backward.
	5. If the blockage is in the rock tower- Follow Fall Pro Procedure/ SJP before attempting to clear from top of truck. Disconnect the boom hose from rock tower and use a bar to push object through hose.
4. Do not leave the blower engaged to avoid having body parts such as limbs or fingers sucked into the vacuum hose.
5. When obstacle is removed, replace your equipment, confirm vacuum is not plugged by checking pressure gauge and start over.
6. If vacuuming contaminated soil or debris such as a fuel from a motor vehicle accident, review the Safety Data Sheet for safe handling methods.

*If an emergency occurs while conducting this task, or there is an equipment malfunction, shut the equipment off immediately and follow the incident procedure.***REPORT ANY HAZARDOUS SITUATION TO YOUR SUPERVISOR/MANAGER OR EMPLOYER IMMEDIATELY** |