



1. All Tasks

| Description of Task | Potential Loss/Exposure | Initial Risk | Recommended Controls | Final Risk |
|---------------------|--|--------------|--|------------|
| All Tasks | Unknown hazards, risks, and danger that could cause personal injury or cause equipment damage. | H | A tailgate Meeting must be conducted and signed off by all in attendance. A Job Hazard Assessment (JHA) must be completed in the field prior to the start of work and updated when tasks and conditions change. Others trades must sign on to the JHA before sharing the work space. | L |

2. Driving

| Description of Task | Potential Loss/Exposure | Initial Risk | Recommended Controls | Final Risk |
|----------------------------|--|--------------|---|------------|
| - Driving to and from site | a) Speed. | | Abstract obtained on all and/or potential drivers of company owned and/or leased vehicles. Drive as per posted speed limits unless unsafe to do so. | L |
| | b) Unsafe driving conditions. | M | Wear seat belts at all times. Do not use cell phones. If usage is required pull over in safe area and park. Driving privileges could be revoked for infractions. Pre use inspection of vehicle. Maintain 4 second separation at highway speeds. | L |
| | c) Unsafe driving conditions of other motorists. | H | Monitor oncoming traffic for erratic driving. Do not drive under the influence of drugs, alcohol or if you are tired. | L |
| | d) Wildlife. | M | Monitor surroundings for wildlife. Always drive with lights on and whenever possible drive during daylight period. Use extra caution at dusk and pre-dawn. | M |



3. Hydro Vac

| Description of Task | Potential Loss/Exposure | Initial Risk | Recommended Controls | Final Risk |
|---------------------|---|--------------|--|------------|
| Hydro Vac Operation | a) Incompetent Operator | H | <p>Operator to be trained, certified and competent of all operations of the hydrovac. Pre use inspection to be completed and documented.</p> <p>Competent operator to check all hoses and fittings prior to commencing work. Defective equipment must be removed from service immediately and replaced.</p> <p>Constant monitoring of temperature and pressure to ensure these limits are not exceeded.</p> | L |
| | b) Personal injury/Flying Debris/ High Pressure Water | H | <p>Proper PPE for all tasks at hand.</p> <p>Eye protection is mandatory. Rain gear and rubber gloves should be worn at all times. Always check surroundings areas before starting operations.</p> <p>Direct stream of water away from personnel in the area.</p> <p>A maintenance check shall be performed prior to starting the hydro vac. The high pressure ball valve on the wand and the water hose must be checked for capacity and any deformities prior to work taking place.</p> | L |
| | c) Electrocution | H | <p>Grounding mats and high voltage gloves to be used at all times for locating electrical lines.</p> <p>Direct pressure wand in circular, sweeping motion across cables. Water temperature is limited to 38 C degrees (100 F).</p> <p>A maximum water pressure of 1500 psi is used to expose cables.</p> <p>De-energize underground electrical cables whenever possible before exposing. When de-energizing is not possible then a Stand-off Permit should be requested</p> | L |
| | d) Damage to buried facilities | M | <p>Normal operating pressure of the rotating nozzle wand is not to exceed 1500 psi. Never hold the wand directly on the facility being exposed. Exposure should be done washing either side of the facility, directing the flow away from the facility.</p> <p>The wand shall never be used as a pry bar to dislodge any foreign material in the excavation.</p> | L |



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| | e) Falling into excavation | M | Always ensure safe footing in the area surrounding the excavation. Upon completion of the excavation, barricade and mark with appropriate signage. | L |
| | f) Excessive noise | M | Hydrovac's operate in the excess of 85 DBA hearing protection must be worn at all times. | L |

4. Loading /Unloading Equipment

| Description of Task | Potential Loss/Exposure | Initial Risk | Recommended Controls | Final Risk |
|---------------------|---------------------------------------|--------------|---|------------|
| Accessing trailers | a) Inadequate Access/Egress | M | <ul style="list-style-type: none"> - Utilize stairs or ramps for main access & egress - Trailers must not be jumped from, accessed from the front, back or sides without the proper stairs or ladder. - Step ladders must be on stable ground or tied off and must have three rungs above the dismount point. - Access or egress points are clear of obstruction and debris - Trailer is clean and free of debris - Equipment is chained or strapped onto proper attachment points - Equipment is shut off and brakes applied. - Blade, bucket or trencher is lowered onto trailer deck - Glass fronts have protective covers over them and secured in place | L |
| | b) Slips & falls | M | | L |
| | c) Inadequate securement of equipment | H | | L |
| Pre Trip Inspection | a) Hood dropping | M | <ul style="list-style-type: none"> - Proper securement of hood. Windy conditions. - Hood props, shocks in good condition. - 3 points of contact while entering and exiting. - Visual check of tires and fluids - All windows have clear visibility - All lights are functional. - All hydraulic hoses are inspected. - Proper warm up time.(Winter) | L |
| | b) Access and Egress of vehicle | M | | L |
| | c) Circle check | M | | L |



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| Removing Equipment Binders | a) Stored energy in load binder | H | <ul style="list-style-type: none"> - Ensure all load binders are undone using the proper techniques. - Don't put body in line where binder handles can contact. - Have proper foot placement. Avoid doing from trailer deck if possible. - Secure straps in a way to avoid tripping hazards. | L |
| Operating Equipment | b) Incompetent Operator | H | <p>Operator to be trained, certified and competent of all operations of the equipment. Pre use inspection to be completed and documented. Competent operator to check all hoses and fittings prior to commencing work. Defective equipment must be removed from service immediately and replaced. Constant monitoring of temperature and pressure to ensure these limits are not exceeded.</p> | L |
| | a) Tipping of equipment | H | <ul style="list-style-type: none"> - Level, stable ground - Angle of loading/unloading not too steep - Trailer is stable | L |
| Spotting & Backing up Truck Trailers & Mobile Equipment | a) Spotter not visible to equipment operator | H | - Visual contact maintained with spotter at all times. If visual contact can't be maintained STOP immediately. | L |
| | b) Poor communication | H | <ul style="list-style-type: none"> - Horn is honked twice before backing up - Spotter & driver shall have predetermined hand signals prior to moving equipment or truck trailers - Use radios where 100% visibility cannot be maintained - No one standing directly behind vehicle or equipment when backing up | L |
| | b) Congested areas | M | <ul style="list-style-type: none"> - Avoid as much as possible pulling into areas where backing up is required - Moved other equipment, vehicles as needed to load equipment | L |
| Securement of extra pieces related to equipment being moved | a) Adequate tie down points | M | <ul style="list-style-type: none"> - Enough tie down straps to secure equipment - Tie down points are in good condition - Straps have adequate contact. | L |
| | b) Enough area for equipment | H | <ul style="list-style-type: none"> - Extra equipment pieces must not overhang sides, front or back | L |

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