

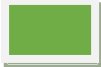









## DAILY JOB SAFETY ASSESSMENT (JSA)

Project _____		Name of Contractor/Subcontractor: Denbow	
Work Area(Building/Floor/Area):	Date:	Weather:	
Task/Activity: .			
Supervisor has walked/checked work area in advance of work: (initials)			
<b>Check applicable anticipated or potential hazards:</b>  <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> <b>Work at height's above 1.8 (6 ft.)</b>  <input type="checkbox"/> Confined space entry  <input type="checkbox"/> Electrical mechanical lock out  <input type="checkbox"/> <b>Activities in or near traffic areas</b>  <input type="checkbox"/> Concrete cutting / coring /chipping / drilling  <input type="checkbox"/> <b>Work affecting the public way</b> </div> <div style="width: 50%;"> <input type="checkbox"/> Work affecting sub soils  <input type="checkbox"/> Welding / cutting / grinding (sparks)  <input type="checkbox"/> <b>Mobile crane or pumper operations</b>  <input type="checkbox"/> Respirable hazards  <input type="checkbox"/> Controlled products  <input type="checkbox"/> Other: _____ Pipe breaks_____ </div> </div>		<b>Additional Hazard Controls:</b>  <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> <b>Fall Protection Plan</b>  <input type="checkbox"/> Confined Space Entry Plan  <input type="checkbox"/> Electrical/Mechanical Lockout  <input type="checkbox"/> <b>Crane Task Hazard Assessment</b>  <input type="checkbox"/> Silica Exposure Control Plan  <input type="checkbox"/> <b>Traffic Assessment</b> </div> <div style="width: 50%;"> <input type="checkbox"/> Hot Work Permit  <input type="checkbox"/> Ground Disturbance Assessment  <input type="checkbox"/> Material Safety Data Sheets  <input type="checkbox"/> Respirator Fit Tet Records  <input type="checkbox"/> Other: <b>Line watch person</b>  <input type="checkbox"/> Other: _____ </div> </div>	
<b>Sequence of Basic Job Steps</b>  <i>(Order in which the work will be carried out and brief details of how tasks will be performed)</i>	<b>Potential Hazards</b>	<b>Safety Controls to Reduce or Eliminate Hazards</b>	<b>Improvements / Changes</b>  <i>(Describe any improvements or changes to the original assessment due to review or actual work)</i>
1. Mobilize trucks and equipment to site  <div style="text-align: center;">  </div>	Other Contractors  Other trades material/debris in the way.  Traffic/workers/pedestrians/patients/staff/visitors	Coordinate activities with Sup  Walk the route ensure it is safe for vehicle traffic, advice Supt. If area is not clear.  Utilize traffic control personnel (TCP) on site to facilitate truck access/egress.	









Sequence of Basic Job Steps <i>(Order in which the work will be carried out and brief details of how tasks will be performed)</i>	Potential Hazards	Safety Controls to Reduce or Eliminate Hazards	Improvements / Changes <i>(Describe any improvements or changes to the original assessment due to review or actual work)</i>
2. Connecting pipe and securing it to bldg.  	MSI's (sprains, strains)   Rigging failure  Pipe falling     Pipe separating at the joints	Stretch before task Get help with awkward loads Take micro breaks and stretch as required. On higher floors a swing stage winch or crane will be set up/inspected/signed off by suspended stages certified competent workers and pipe will be winched or craned up the building  Check capacity and condition of all rigging.  <b>Pipe is held back with 4000lb Dual Gear Power Puller</b> Control zone on ground with ID tags stating the reason for the control zone, duration and Supervisors contact number.  Lifeline rope made of a polyester and polypropylene blend are used to secure the pipes using a Cove Hitch not. Rope has a 5000# rating  Pipes are connected using Pipe clamps & ratchet strap Whip checks are placed on each end of the pipe and across the joints in the event the connection fails. Corrugated rubber covers are placed over the clamps and wrapped in duct tape. If the pipe separates, the soil does not escape the pipe.	
3. Soil from truck moves via conveyor floor to the back of the truck  	Equipment malfunction   Dust	Express Blower original manufactured parts. Equipment Inspections Preventative Maintenance  Trucks have tarpaulin covers Trucks are equipped with misting systems	



<p>4. Augers push product down to feeder</p> 	<p>Moving equipment, pinch points</p>	<p>Guards in place All controls are operated remotely Blower truck equipped with emergency shut down switch Remote control equipped with emergency shut down switch</p>	
<p><b>Sequence of Basic Job Steps</b></p> <p><i>(Order in which the work will be carried out and brief details of how tasks will be performed)</i></p>	<p><b>Potential Hazards</b></p>	<p><b>Safety Controls to Reduce or Eliminate Hazards</b></p>	<p><b>Improvements / Changes</b></p> <p><i>(Describe any improvements or changes to the original assessment due to review or actual work)</i></p>

<p>5. Feeder pulls in product and blower system forces air through the feeder to the application area</p> 	<p>Dust Control</p> <p>Moving equipment pinch points</p>	<p>Trucks are equipped with water mist systems. Mist as required to eliminate dust Product arrives to site moist IPAC trained workers Supervising crew</p> <p>Guards in place Remote operator has shut down switch</p>	
	<p>Loss of control of hose</p>	<p>The hose has a safety tether to assist the worker maintain control</p>	
	<p>Noise</p>	<p>Warning Signage Control zones Audiometric testing with Dosimeter to ensure worker hearing protection is adequate – ear plugs for 85 dB, in excess of 85 dB ear plugs and ear muffs are required. Dosimeter recording near occupied areas to ensure compliance with noise and vibration plan for site</p>	
	<p>Potential standing water</p> <p>Water freezes resulting in slip hazards</p>	<p>Protect catch basins from soil entering</p> <p>Remove water promptly</p> <p>Salt ice if required to reduce slip hazards</p>	
	<p>Potential for fall</p>	<p>Follow fall plan and utilize cast in place permanent roof top anchors when working at a leading edge without the benefit of guard rails.</p> <p>All workers in fall protection must have current fall protection certification. Supervisors are responsible to ensure certified</p>	

		workers are competent.	
6. Clean up 	Soils inside the building creating dust, spiked spore count	Boot wash in worker access egress areas Changing muddy soiled boots to clean boots prior to entry inside building Boot covers to protect floors while walking through the building	

**Where necessary, insert additional pages to complete JSA**

Sequence of Basic Job Steps <i>(Order in which the work will be carried out and brief details of how tasks will be performed)</i>	Potential Hazards	Safety Controls to Reduce or Eliminate Hazards	Improvements / Changes <i>(Describe any improvements or changes to the original assessment due to review or actual work)</i>
7. Working with a crane or boom  Complete an Inspection:  Complete Field Level Hazard Assessment:  Complete a Plan:  Communicate the Plan:  Follow the Plan  Know your Ground Conditions:  Know your Radius: 	Improperly maintained  Powerlines, Ground Conditions  Unknown conditions, Hazards , PPE  Team unknown of supervisors plan and safety conditions  Information and delegation – plan not followed incidents could happen.	Verify the crane has had its required inspections (see OSGR). Not just its annual inspection but also check its operating functions daily to ensure all components are working properly.  Identify and evaluate site and job specific hazards (are power lines nearby, is ground soft, uneven); eliminate and control hazards before and during the work.  Review all factors for each lift – load weight capacities, effect of wind, integrity of equipment etc.  Communicate the completed plan at “Tool Box” meetings. Communicate the hazards and controls; safe work practice and procedures if any, roles and responsibilities of ground crew if any..  Once the plan is agreed to, don’t deviate from it without informing every one of the change.  The most carefully rigged crane is only as stable as the surface it is on. Simply extending the outriggers (if so equipped) on a crane does not mean you have a stable surface. The crane’s load chart and manufacturer’s specifications may help determine whether it is a safe lift.	

<p>Use the Crane/Boom properly</p>  <p>Communication:</p>  <p>Stay focused:</p>	<p>Boom swing can cause damage and harm to other workers</p> <p>Untrained operators</p>	<p>Establish a 'control zone' for those authorized to work in the immediate area – the 'swing radius'. The swing radius is the travel path for the boom and counterweight and it should be checked regularly to ensure no objects have encroached in the area.</p> <p>Cranes only operated by trained and certified professionals</p> <p>There has to be clear communication between the operator and signallers or other workers. Whatever communication system – radio, hand signals, etc., make sure everyone understands and follows it.</p> <p>Everyone associated with a lift needs to stay alert and focused on the job</p>	
---	---	--	--

<b>Tools / Equipment:</b> <i>(List of tools / equipment to be used)</i> Blower trucks, application pipe and hose, hand tools, rigging, winches.	
<b>Personal Protective Equipment:</b> <i>(Minimum requirement: steel- toed footwear (ankle height) / hard hat / hi-vis vest / safety glasses )</i>	
<b>Additional PPE:</b> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Face Protection (specify)           </div> <div style="width: 50%;"> <input type="checkbox"/> Tyvek Coveralls           </div> <div style="width: 50%;"> <input checked="" type="checkbox"/> Hearing Protection           </div> <div style="width: 50%;"> <input checked="" type="checkbox"/> Traffic Control (reflective anklets / bracelets)           </div> <div style="width: 50%;"> <input checked="" type="checkbox"/> Fall Protection           </div> <div style="width: 50%;"> <input type="checkbox"/> Respiratory           </div> <div style="width: 50%;"> <input type="checkbox"/> Rubber footwear           </div> <div style="width: 50%;"> <input type="checkbox"/> Other:           </div> <div style="width: 50%;"> <input type="checkbox"/> Gloves (specify)           </div> <div style="width: 50%;"> <input type="checkbox"/> Other:           </div> </div>	
<b>Work overlap with other contractors?</b> <i>(Identify other contractors)</i> <b>Yes, workers will be near other contractors. Any coordination concerns are to be brought to the attention Site Supervisor.</b>	

Housekeeping of surplus materials, waste or debris: *(storage, disposal details, e.g. when, where to, how, etc)*

**JSA Prepared by:** \_\_\_\_\_ -

**Position:** \_\_\_\_\_

**Date** \_\_\_\_\_

Workers Names::

Signature:

Workers Names:

Signature

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

JSA Approved (Operations Manager):\_\_Cory Welch\_\_

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

JSA Reviewed By Other:\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_