



Brieser CONSTRUCTION

JOB SAFETY ANALYSIS

COMPANY/ PROJECT NAME or ID/ LOCATION (City, State)		DATE AUGUST 18, 2015	<input checked="" type="checkbox"/> NEW <input type="checkbox"/> REVISED	PAGE 1 of 2
WORK ACTIVITY (Description): EXCAVATOR (GENERIC)				
DEVELOPMENT TEAM		POSITION / TITLE		REVIEWED BY:
DAVE RUZICH		SAFETY COORDINATOR		
MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT (SEE CRITICAL ACTIONS FOR TASK-SPECIFIC REQUIREMENTS)				
<input type="checkbox"/> REFLECTIVE VEST <input type="checkbox"/> HARD HAT <input type="checkbox"/> LIFELINE / HARNESS <input checked="" type="checkbox"/> SAFETY GLASSES	<input type="checkbox"/> GOGGLES <input type="checkbox"/> FACE SHIELD <input checked="" type="checkbox"/> HEARING PROTECTION <input checked="" type="checkbox"/> SAFETY SHOES	<input type="checkbox"/> AIR PURIFYING RESPIRATOR <input type="checkbox"/> SUPPLIED RESPIRATOR <input checked="" type="checkbox"/> PPE CLOTHING	<input checked="" type="checkbox"/> GLOVES Cut-resistant <input type="checkbox"/> OTHER Chaps	
1JOB STEPS	2POTENTIAL HAZARDS	3CRITICAL ACTIONS TO MITIGATE HAZARDS		
Perform Daily Equipment Inspection Plan the Task Entering Equipment / Startup	Equipment Malfunction, Damage to Equipment, Fluid Leak, Faulty Controls Others working in area, damage to equipment or injury to personnel Slips, Trips, Falls. Pinch points. Failure to fasten seat belt – injury/death	Set brake controls and remove key during inspection and maintenance. Check all fluids, hoses, cylinders, and controls. Walk around equipment and inspect for damage, leaks. Clean windows and mirrors. Review task in morning tailgate meeting. Communicate with others in the work area. Shut down equipment if unsure of the task or see unanticipated hazard. Make sure steps are clean. Use 3 point contact. Adjust mirrors. Clean windows and mirrors. Adjust seat controls. Fasten seat belt. Release parking brake prior to movement of equipment. After starting, check gauges for warning lights.		
Position Excavator	Equipment Damage, Noise, Other Equipment or Personnel in Work Area, Property Damage, Inhalation hazards, Excavation Cave-in	Operate equipment at safe speed while traveling to work area – watch for uneven surfaces and soft areas. Communicate with others in area with radio or stop equipment and get others attention with hand signals or horn. Be aware of overhead or underground utilities. Work from stable, level work platform. Be aware of swing radius and objects around you. Plan ahead for the incoming trucks. Position excavator so the trucks have safe access. Position excavator such that the blind side or boom side is away from trucks. Follow PPE Matrix for proper PPE requirements for the work area. When digging in unconsolidated materiel – limit depth of cut & slope or bench material or boom side is away from trucks. Follow matrix for proper PPE requirements for the work area. When digging in unconsolidated materiel – limit depth of cut & slope or bench material		
Loading Trucks Task Completion	Damage to equipment or injury to personnel, Noise, Inhalation hazards Slip/Trip/Fall. Damage to equipment or injury to personnel	Keep windows closed if possible. Properly position dump truck. Signal driver to stop by using horn signal or hand signals. Carefully load truck to safe level to prevent spillage or overweight condition. Keep load level and distributed evenly – do place load to one side of bed. Never swing bucket over cab of truck. Swing from the left side/counterclockwise to prevent blind spot. Use horn signal when truck is loaded. Follow ppe matrix for proper PPE requirements for the work area (respirator when in exclusion zone). Slope or bench deep excavations or trenches. When trenching, keep spoils at least 2 feet away from edge of excavation. Move excavator at safe speed to storage area. Park on level ground. Place bucket on ground. Set control brake. Turn off equipment and remove key. Use 3 point contact when exiting equipment. Clean tracks and steps.		
1.				
2.				

¹ Each Job or Operation consists of a set of steps. Be sure to list all the steps in the sequence that they are performed. Specify the equipment or other details to set the basis for the associated hazards in Column 2

² A hazard is a potential danger. What can go wrong? How can someone get hurt? Consider, but do not limit, the analysis to: **Contact** - victim is struck by or strikes an object; **Caught** - victim is caught on, caught in or caught between objects; **Fall** - victim falls to ground or lower level (includes slips and trips); **Exertion** - excessive strain or stress / ergonomics / lifting techniques; **Exposure** - inhalation/skin hazards. Specify the hazards and do not limit the description to a single word such as "Caught"