



## 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): <b>GATOR/MULE VEHICLE</b>				
<b>DEVELOPMENT TEAM</b>	<b>POSITION / TITLE</b>	<b>REVIEWED BY:</b>		<b>POSITION / TITLE</b>
Dave Ruzich	Safety Coordinator			
<b>MINIMUM REQUIRED PERSONAL PROTECTIVE EQUIPMENT ( SEE CRITICAL ACTIONS FOR TASK-SPECIFIC REQUIREMENTS)</b>				
<input type="checkbox"/> REFLECTIVE VEST <input checked="" 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	
<b><sup>1</sup>JOB STEPS</b>	<b><sup>2</sup>POTENTIAL HAZARDS</b>	<b><sup>3</sup>CRITICAL ACTIONS TO MITIGATE HAZARDS</b>		
1) Inspecting mule/gator	<ul style="list-style-type: none"> <li>If vehicle moves unexpectedly this can cause injury to the body, head, hands, or feet.</li> <li>Cuts or abrasions to hands or fingers from latches when lifting hood and seat to check fluids or from contact with moving or rotating parts.</li> <li>Injury to fingers, hands, or arms from raised hood or seat if not secured.</li> <li>Pressurized air can blow into eyes when checking tires.</li> <li>Damage to vehicle from improper fluid levels or not maintaining the vehicle per manufacturer's guidelines.</li> </ul>	<ul style="list-style-type: none"> <li>Place wheel chocks to prevent movement while inspecting. Wear hard hat, leather gloves, safety shoes, etc. as specified in this JLA.</li> <li>Vehicle must be turned off with key removed from ignition. Wear leather gloves. Identify pinch points such as latches and hinges by using a pinch point sticker at these locations and LPSA before performing inspection.</li> <li>Ensure the hood and seat latches are secured before placing fingers, hands, or arms in these areas.</li> <li>Wear safety glasses with side shields and stand to the side of the tire when checking tire pressure.</li> <li>Ensure the vehicle meets the manufacturer guidelines before operating. If anything is in question issue a SWA and contact your supervisor. Do not operate the vehicle. Note it down on your daily inspection sheet.</li> </ul>		



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<p>2) Starting and warming</p>	<ul style="list-style-type: none"> <li>• Vehicle could unexpectedly move striking a person, other equipment, or object in the area.</li> <li>• Movement of vehicle could cause injury to operator and passenger(s).</li> <li>• Equipment damage can occur if the vehicle is not warmed up per manufacturer guidelines.</li> </ul>	<ul style="list-style-type: none"> <li>• Perform GOAL before entering the vehicle and starting the engine. Look for obstructed objects that might be hidden in the grass, weeds, etc. Mark these objects where their location can be seen before proceeding and note them on this Brieser Daily Equipment Inspection Form. Do not disengage the emergency brake until you're ready to move to prevent unexpected movement.</li> <li>• Wear seat belt, hard hat, and leather gloves at all times. Do not carry extra passengers without seat belts. Everyone must have a manufacturer installed seat belt.</li> <li>• Start and warm the engine per manufacturer requirements.</li> </ul>
<p>3) Operating</p>	<ul style="list-style-type: none"> <li>• Struck by injuries or property damage from contact with other vehicles or pedestrians, obstacles, or traffic.</li> <li>• Injury and damage to vehicle from tip over. Tip over can be caused from traveling across slopes, from turning too fast or too sharp, or from cargo shifting in the bed of the vehicle.</li> <li>• Injury from falling out of vehicle or from body limbs protruding outside of the vehicle.</li> <li>• Lose control of vehicle from buildup of rocks and debris on the floor.</li> <li>• Vehicle could move unexpectedly causing injury to operator.</li> <li>• Insect bites or stings. Sunburn. Heat stress.</li> <li>• Grinding gears, damage to engine.</li> </ul>	<ul style="list-style-type: none"> <li>• Experienced operator. No bystanders in area. Perform GOAL. Use spotter when backing every time. Backup alarm must be audible. Watch for low hanging limbs or other fixed obstacles. Clear them out or mark them before work begins. Note these obstacles on this JSA. Follow established traffic routes. Use a spotter when entering or exiting the work shop every time.</li> <li>• ROPS. Travel up and down slopes, never across slopes. Do not exceed 15 mph and reduce speed according to conditions such as rough, uneven, or slippery terrain. Make turns slowly and cautiously, never in a hurry. Secure cargo and do not exceed cargo weight limit per manufacturer's guidelines. Reduce speed when loaded with cargo. Cargo must be centered over the axle.</li> <li>• Keep head, hands, arms, and legs inside vehicle at all times. Avoid sudden starts, stops, and turns. Remain seated and wear seat belt. Keep both hands on steering wheel. No passengers in the cargo area. No horseplay.</li> <li>• Before beginning work and throughout the day remove debris from the floor board.</li> <li>• Place wheel chocks whenever you leave the operator's seat.</li> <li>• Insect repellent, sunscreen, long sleeved shirt. Cool water, breaks to cool down in shaded or cool areas.</li> <li>• Idle mule down before putting into gear. Double pump gas pedal to idle rpms down.</li> </ul>



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<p>4) Fueling</p>	<ul style="list-style-type: none"> <li>• Fire or explosion from ignition of fuel vapors.</li> <li>• Chemical injury to face, eyes, or hands from splashing fuel.</li> <li>• Chemical contamination to the environment from spills.</li> </ul>	<ul style="list-style-type: none"> <li>• When refueling use an (UL) approved container. Set the container on the ground before fueling to eliminate static discharge. Inspect area to make sure there is nothing that could produce a spark. Do not smoke or use electrical or electronic devices including cell phones while refueling (the use of cell phones and other electronic devices are prohibited). Allow engine to cool for at least 5 minutes before fueling. Fire extinguisher must be located in the vehicle and in the fueling area.</li> <li>• Review MSDS to ensure TSTI/JSA includes proper PPE and be familiar with emergency procedures. Proceed slowly, do not rush. Wear safety glasses with side shields, face shield, and chemical resistant gloves. Know location of nearest eye wash station.</li> <li>• Watch fuel level as you are filling the tank. Fill to only 90% full to prevent spillage. Clear hose before removing so that you do not drip fuel. Replace the fuel cap tightly. Keep spill kit in the area. If spill occurs, contain the spill, and contact your supervisor immediately.</li> </ul>
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<sup>1</sup> 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

<sup>2</sup> 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"

<sup>3</sup> Aligning with the first two columns, describe what actions or procedures are necessary to eliminate or minimize the hazards. Be clear, concise and specific. Use objective, observable and quantified terms. Avoid subjective general statements such as, "be careful" or "use as appropriate".