



## JOB SAFETY ANALYSIS

COMPANY/ PROJECT NAME or ID/ LOCATION ( City, State) Exxon Mobil Pipeline		DATE October 6	<input checked="" type="checkbox"/> NEW <input type="checkbox"/> REVISED	PAGE 1 of 2
WORK ACTIVITY (Description): <b>SKID STEER w/BUSH HOG ATTACHMENT</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) Maintain Equipment	<ul style="list-style-type: none"> <li>Damage to moving parts, hose ruptures or leaks, overheating, engine failure, etc.</li> <li>Lacerations, pinches, burns to hands when opening door or motor compartment</li> </ul>	<ul style="list-style-type: none"> <li>Complete Daily Equipment Checklist. Familiarize yourself with Operators Manual. Set controls and shut down engine before leaving equipment. Clean/Defrost windows and mirrors. Use caution when placing hands. Identify pinch points with PP stickers. Wear hand protection/gloves. Mechanic responsible.</li> </ul>		
2) Entering/exiting the equipment	<ul style="list-style-type: none"> <li>Slip, trip, or fall from stepping onto foot hold</li> <li>Bump head, pinch hands while opening cab compartment</li> </ul>	<ul style="list-style-type: none"> <li>Clear foot hold from dirt, mud, debris, etc. Always use 3-point mount and dismount. Identify pinch points with PP sticker. Utilize proper mounting steps, brackets, and handrails. Wear required PPE. Operator responsible.</li> </ul>		
3) Starting and warming up	<ul style="list-style-type: none"> <li>Back and arm strain from overextending to reach controls</li> <li>Unanticipated rolling or movement</li> <li>Fire from mechanical / electrical faults</li> </ul>	<ul style="list-style-type: none"> <li>Adjust seat to accommodate reach and comfort zone. Adjust mirrors. Fasten seat belt. Verify that all controls are in neutral position and throttle to low (turtle). Pull down safety bar. Start engine and verify that all warning lights are working. Allow a minimum of 2 minutes warm up. Be alert for abnormal sounds or smells. Operator responsible.</li> </ul>		



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<p>4) Moving equipment to work area and performing task</p>	<ul style="list-style-type: none"> <li>• Contact with personnel, other equipment, or vehicles (struck by)</li> <li>• Tip over due to uneven terrain, pot holes, loaded bucket, unbalanced load, or traveling on sloped</li> <li>• Loss of control of equipment</li> <li>• Electrocution or release of product from contact with underground/ overhead utilities</li> <li>• Inhalation of dust/VOCs</li> </ul>	<ul style="list-style-type: none"> <li>• Equipment walk-around. Be aware of other personnel, equipment, or vehicles in the area. Be aware of stumps or other debris protruding from the ground. Do not make abrupt changes to travel speed or direction. Travel up and down slopes, not across slopes. Keep loaded bucket low during travel. Ensure load is balanced properly. Locate and mark underground obstacles. Maintain 20' clearance from overhead power lines. Know limitations of equipment and attachments. Half-faced APR with P-100 Defender Cartridges are available at the immediate work area and shall be donned if air monitoring results should indicate a need for increased respiratory protection.</li> </ul>
<p>5). Changing Bush Hog . attachments</p>	<ul style="list-style-type: none"> <li>• Laceration, abrasion, or pinching hand or fingers from hand tools or pinch points</li> <li>• Spill/release from pressurized lines             <ul style="list-style-type: none"> <li>• Splash onto eyes from high pressure lines</li> </ul> </li> <li>• Slip, trip, or fall from walking on terrain, mounting/dismounting equipment</li> <li>• Crushing body or body part due to unstable load or from attachments shifting or falling when attaching or detaching</li> </ul>	<ul style="list-style-type: none"> <li>• Hand protection/gloves. Use correct hand tools (wrench, hammer, etc.) for the task. Mark pinch points with PP stickers. Watch hand placement. Use 3-point mount and dismount. Be sure foot hold is clear from mud or debris. Remove pressure from hydraulic lines prior to breaking lines by turning off engine. Ensure hoses are correctly connected and not in position to be pinched or kinked. Spill kit available. Wear safety glasses. Be sure attachment pins are secured. Raised loads and attachments will be lowered to the ground prior to exiting. Operator trained on specific attachment use. Operators Responsible</li> </ul>
<p>4.</p>		

<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".