

Hazard and Risk Training

Task:	Operating a Tractor	
Hazards What are the Hazards?	Risks Who might be harmed and how? What conditions could affect the chances of being harmed from the hazard?	Preventative Measures What are you already doing? What further actions are necessary?
Roll Over	Tractor could roll over on operator and bystander causing serious injury or death. <ul style="list-style-type: none"> ○ Working on Slopes ○ Operating on rough terrain ○ Operating in bad weather ○ Carrying loads too high on the loader ○ Hauling loads that are too heavy ○ Equipment failure ○ Using an inexperienced operator ○ Stressed or tired operator ○ Working alone ○ Distracted operator ○ Safety devices on tractor 	<ul style="list-style-type: none"> ○ Use tractors with Roll Over Protective Structure ○ Wear seatbelts ○ Be aware of steep hills, other traffic, and weight of load being carried. ○ Use appropriate size tractor for load being hauled ○ Know maximum loads for the tractor from the owners manual ○ Operator training – Make sure that operator is trained on the safe use and limits of the tractor under different conditions. ○ Complete inspections and repair damaged equipment <ul style="list-style-type: none"> ○ Make sure that safety devices are in place ○ Have working alone procedure in place <ul style="list-style-type: none"> ○ Have cell phones/radios on tractor ○ Check in with someone at specific times ○ Use and enforce Safety rules ○ Take frequent breaks
Slips/Fall and run over	The operator could fall off the tractor causing serious injury or death. Bystanders or passenger could be run over causing serious injury or death <ul style="list-style-type: none"> ○ Icy weather ○ Steps leading to tractor ○ Operating on rough terrain ○ Getting off tractor while still in motion ○ Passengers on tractor ○ Equipment/building blocking visibility ○ Safety devices ○ Equipment failure 	<ul style="list-style-type: none"> ○ Wear Slip resistant boots ○ Wear seatbelt while driving ○ Add handrails to equipment ○ Have no passenger rule ○ Equip with backup alarms and mirrors ○ Use mirrors in warehouse to help with visibility ○ Look for bystander around equipment before moving ○ Check blind spots ○ Keep bystanders from work area ○ Operator training – Make sure that operator is trained on the safe use and limits of the tractor under different

Hazard and Risk Training

<p>Slip/Falls and run over (Continued)</p>	<ul style="list-style-type: none"> ○ Using an inexperienced operator ○ Stressed or tired operator ○ Operator in poor health ○ Working alone ○ Distracted operator ○ Safety devices on tractor 	<p>conditions.</p> <ul style="list-style-type: none"> ○ Complete inspections and repair damaged equipment <ul style="list-style-type: none"> ○ Make sure that safety devices are in place ○ Have working alone procedure in place <ul style="list-style-type: none"> ○ Have cell phones/radios on tractor ○ Check in with someone at specific times ○ Use and enforce Safety rules ○ Take frequent breaks
<p>Entanglement in tractor and attachments</p>	<p>Operator or other workers could get caught in the moving equipment causing serious injury or death.</p> <ul style="list-style-type: none"> ○ Unguarded PTO shafts ○ Standing by PTO shaft while operating ○ Stepping over PTO shaft while operating ○ Using an inexperienced operator ○ Stressed or tired operator ○ Operator in poor health ○ Working alone 	<ul style="list-style-type: none"> ○ Ensure that PTO is guarded from the connector on the tractor PTO to the first bearing on the machine ○ Keep bystanders from work area ○ Training – Make sure that workers are trained on the safety around PTO shafts. ○ Ensure that the tractor is turned of or there is a safe lockout when doing maintenance where appropriate. ○ Complete inspections and repair damaged equipment <ul style="list-style-type: none"> ○ Make sure that safety devices are in place ○ Guards are in good condition ○ Have working alone procedure in place <ul style="list-style-type: none"> ○ Have cell phones/radios on tractor ○ Check in with someone at specific times
<p>Hydraulics may fail</p>	<p>Operator or bystander could get caught under equipment if hydraulics fail resulting in injury or death.</p> <ul style="list-style-type: none"> ○ Equipment failure ○ Operator error 	<ul style="list-style-type: none"> ○ Complete inspections and repair damaged equipment <ul style="list-style-type: none"> ○ Make sure that safety devices are in place ○ Hydraulics hoses are in good condition ○ Keep bystanders from work area ○ Operator training – Make sure that workers are trained on safety devices on tractor (hydraulic locks) and that hydraulics on equipment is lowered when not in use

Hazard and Risk Training

		<ul style="list-style-type: none"> ○ Lead by example ○ Enforce safety rules ○ Inspect equipment regularly
<p>Highway accidents</p>	<p>Operator or public could be in an accident resulting in injury.</p> <ul style="list-style-type: none"> ○ Improper signage on vehicle ○ Tail lights aren't working ○ Operator error ○ Slow moving vehicles on the highway ○ Hauling wide implement on highway ○ Distracted driver ○ Poor visibility ○ Weather conditions 	<ul style="list-style-type: none"> ○ Make sure that operator is licensed ○ Use appropriate signage (slow moving vehicle, wide turns) ○ Make sure tail lights are working when hauling trailers or tractor attachments. ○ Make sure loads are tied secure to avoid falling onto oncoming traffic ○ Training ○ Lead by example ○ Enforce safety rules- Do not use cell phone while driving ○ Inspect equipment regularly