

Timber Safe Job Site Audit



EXAMPLE

Company Name	BILLS LOGGING
Date of Inspection	10-20-19
Jobsite Location (State/County)	WV MARION
Number of workers on site	8
Inspector name	BILL JONES

Logger Operation Type	<u>Manual</u>	Feller Buncher	Both		
Logger Business Type	Contractor	<u>Independent</u>	Company Crew		
Terrain	<u>Steep</u>	Moderate	Flat		
Conditions	<u>Dry</u>	Muddy	Snow	Ice	Windy

Number of timber cutters	1
Number of feller bunchers	0
Number of cable skidders	1
Number of grapple skidders	0
Number of loaders	1
Number of log trucks	1
Number of dozers	1
Other Equipment (Specify)	0

Does the company have a WC policy?	<u>Yes</u>	No	
Do you belong to any of these organizations?	WV Loggers Council	Mountain Loggers Cooperative Association	<u>Other</u> Please provide name WVFA

Instructions: Mark each question with a Checkmark ✓ for each instance observed while completing the audit. If the question does not apply or was not observed during the audit mark N/A for that question. Once the audit is complete, add up the total number of Yes and No checkmarks per section and determine percentage score per section and total for the complete audit

Safety & Health Management (Written Program Components)	Yes	No	N/A
Roles and Responsibilities	✓		
New Worker Orientation	✓		
Work Rule Enforcement	✓		
Accidents, Incidents, and Near-misses	✓		
Training	✓		
Safety Meetings	✓		
Inspections, Observations and Audits	✓		
First Aid	✓		
OSHA Standards	✓		
Total Numbers-Written Safety Program Components	9	0	
$\text{Section Score} = \frac{\text{Yes}}{\text{Yes} + \text{No}} \times 100 = \frac{9}{9+0} \times 100 = 100\%$			

Program Implementation and Documentation	Yes	No	N/A
All workers have been given a copy the program and work rules and records kept.	✓		
Workers supervised by owner or foreman.	✓		
All workers accounted for daily and records kept.	✓		
Progressive disciplinary policy implemented, and records kept.		✓	
Accident, incident and near-miss program implemented, and records kept.		✓	
Non-scheduled safety training held due to new hire, new work-task, unsafe act, near-miss or accident held, and records kept.		✓	
New or less experienced workers work under close supervision and records kept		✓	
All workers have current First Aid /CPR Cards and records kept	✓		
OSHA standards training including the logging standard, bloodborne pathogens, personal protective equipment, hearing conservation, lock-out/tag-out, emergency action, and hazard communication and records kept.		✓	
Total Numbers-Implementation and Documentation	4	5	
$\text{Section Score} = \frac{\text{Yes}}{\text{Yes} + \text{No}} \times 100 = \frac{4}{4+5} \times 100 = 44\%$			

	Daily	Weekly	Every two weeks	Monthly	Less than monthly
Regularly scheduled and informative safety training and meetings held, and records kept.				✓	
Frequent and regular safety audits performed using checklist and records kept.			✓		

Loading and Transporting Operations	Yes	No	NA
ANSI approved hard hat being worn properly	✓✓		
Open cab operator properly using hearing protection		✓✓	
Worker near noisy operation properly wearing hearing protection	✓		✓
ANSI approved eye protection being worn properly if needed	✓	✓	
Worker properly wearing sturdy leather boots with ankle support and moisture resistance	✓✓		
Worker wearing puncture resistant gloves while handling wire rope	✓		✓
Are ground crews wearing brightly colored shirts, vests, or jackets?		✓✓	
Only authorized workers in the area or within the danger zone	✓	✓	
There is working clearance between the truck and logs	✓✓		
Driver is out of the cab and in a safe location (a distance of 10 feet from the length of the longest product being handled at a minimum) (a distance of 10 feet from the in cab)	✓✓		
Logs being loaded to prevent slipping	✓✓		
Loads binders must be attached to the front of the truck (truck may be moved) and log piles if the driver is not in the cab	✓✓		
Logs loaded in such a way that the log is above the truck standards	✓✓		
First Aid Kit at each active landing will satisfy the requirements of a support vehicle (a single first aid kit)	✓✓		
Machines/vehicles inspected for defects that affect safe operation and pulled from service until repaired			✓
Manufacturer's instructions located on each piece of equipment or in the area		✓✓	
Machines/vehicles operated only by designated and trained workers		✓✓	
Seatbelts being worn by operator on machines with ROPS and/or FOPS		✓✓	
Each piece of equipment has its own fully charged portable fire extinguisher	✓✓		
Operator safely parks equipment ensuring no movement (blade grounded, parking brake and/or transmission lock engaged)	✓✓		
Cabs free of unsecured tools and other loose items		✓✓	
Hand or audible signals, radios, or phones used when noise/distance prevents clear voice communication	✓	✓	
There are no riders on equipment, other than the operator	✓✓		
Steps intact and serviceable	✓✓		
Handholds intact and serviceable	✓✓		
Two means of access / egress	✓✓		
3-point mount/dismount	✓✓	✓	
There are no flammables in operator's cab	✓✓		
Workers maintain safe distance from log inventory	✓✓	✓	
There are no booms or loads above ground workers	✓✓		
Loader boom grounded when not in use	✓✓	✓	
Serviceable metal standards and cab racks on trucks	✓	✓✓	
Containers properly labelled		✓✓	
Walking and working surfaces shall be free of waste, debris, and any other material which might result in fire, slipping, or falling		✓✓	
There are no unstable log piles	✓✓		

**Notice there is more than one ✓ for each instance observed.
 This is because more than one loading operation was observed that day.
 This can be done for any category!**

There are no poorly positioned log piles that create a potential hazard for truck drivers and ground workers		✓✓	
Miscellaneous unsafe acts/conditions			✓✓
	Total Numbers -Loading	40	25
$\text{Section Score} = \frac{\text{Yes}}{\text{Yes} + \text{No}} \times 100 = \frac{40}{40+25} \times 100 = 62\%$			

Cable Skidder Operations	Yes	No	NA
Chokers hooked and unhooked from end of the log on the uphill side	✓		
Ground workers within clear view of the skidder operators	✓✓		
Operators wait for the signal before winching	✓✓		
Winching being done within the stability limits of the machine	✓		
Skidder blade down during initial winch		✓	
Winch cable within 45 degrees of machine center Line	✓		
Operator operates winch from within cab	✓✓		
Hard hat available in cab	✓		
ANSI-approved hard hat being worn properly			✓
Open cab operator properly using hearing protection		✓	
ANSI-approved eye protection being worn properly if needed	✓		
Worker properly wearing sturdy leather boots with ankle support and moisture resistance	✓✓		
Worker wearing puncture-resistant gloves while handling wire rope	✓		
Machine/vehicles with defects that affect safe operation tagged and pulled from service until repaired			✓
Manufacturer's instructions located on each piece of equipment or in the area		✓	
Seat belts being worn by operator on machines with ROPS and/or FOPS	✓		
Each piece of equipment has its own fully charged and portable fire extinguisher	✓		
Machines operated to maintain "two tree length" safety zone for other workers and equipment		✓	
Operator safely parks equipment ensuring no movement (blade grounded, parking brake and/or transmission lock engaged.)		✓✓	
Cabs free of unsecured tools and other loose items		✓	
Hand or audible signals, radios, or phones used when noise/distance prevents clear voice communication	✓		
There are no riders on equipment other than the operator	✓✓		
Steps intact and serviceable	✓✓		
Two means of access/egress	✓		
3-point mount/dismount		✓	
There are no flammables in operator's cab	✓		
ROPS and FOPS intact and serviceable	✓		
Attachments grounded when not in use (blades, grapples)		✓	
Open cab operator wearing ANSI approved eye protection	✓		
	Total Numbers-Cable Skidder	19	8

$\text{Section Score} = \frac{\text{Yes}}{\text{Yes} + \text{No}} \times 100 = \frac{19}{19+8} \times 100 = 70\%$			
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Grapple Operations	Yes	No	NA
Machines/vehicles inspected at the beginning of each shift			
Machines/vehicles with defects that affect safe operation tagged and pulled from service until repaired			
Manufacturer's instructions posted on each piece of equipment or in the operator's manual			
Seat belts being worn by operator on machine with ROPS and/or FOPS			
Each piece of equipment has its own fully charged portable fire extinguisher			
Machines operated to maintain a "two tree length" safety distance between workers and equipment			
Operator safely parks equipment on level ground, parking brake and/or transmission locked			
Cabs free of unsecured items			
Hand or audible voice communication used when noise/distance prevents clear communication			
There are no riders on equipment, other than the operator			
Steps intact and serviceable			
Handholds intact and serviceable			
Two means of access/egress			
3-point point/dismount			
There are no flammables in operator's cab			
ROPS and FOPS intact and serviceable			
Attachments grounded when not in use (blades, grapples)			
Hard hat available in cab			
ANSI approved hard hat being worn properly when out of cab			
Open cab operator properly using hearing protection			
ANSI approved eye protection being worn properly if needed			
Worker properly wearing sturdy leather-boots with ankle support and moisture resistance			
Worker wearing puncture-resistance gloves while handling wire rope			
Ground workers on foot within clear view of the skidder operators			
Open cab operator wearing ANSI approved eye protection			
Are ground crews wearing ANSI approved eye protection			
Miscellaneous unsafe acts/conditions. Explain:			
Total Numbers-Grapple Skidder			
$\text{Section Score} = \frac{\text{Yes}}{\text{Yes} + \text{No}} \times 100 = \text{_____}\%$			

We put an X here because we don't use grapple skidders and don't observe them.

Dozer Operation	Yes	No	NA
Machines/vehicles inspected at the beginning of each shift			
Machines/vehicles with defects that affect safe operation tagged and removed from service until repaired			
Manufacturer's instructions located on each piece of equipment			
Seat belts being worn by operator on machine			
Each piece of equipment has its own fire extinguisher			
Machines operated to maintain "clear zone" for other workers and equipment			
Operator safely parks machine with no movement (blade grounded, parking brake and choker engaged)			
Cabs free of clutter and other loose items			
Worker wearing cut-resistant gloves while handling wire rope			
Chokers hooked and unhooked from end of the log on the uphill side			
Operators wait for the signal before winching			
Winching being done within clear view of the skidder operators			
Operators wait for the signal before winching			
Winching being done within the stability limits of the machine			
Blade down during initial winch			
Winch cable within 45 degrees of machine center line			
Operator operates winch from within the cab			
Hand or audible signals, radios, or phones used when noise/distance prevents clear voice communication			
There are no riders on equipment, other than the operator			
Steps intact and serviceable			
Handholds intact and serviceable			
Two means of access/egress			
3-point point/dismount			
There are no flammables in operator's cab			
ROPS and FOPS intact and serviceable			
Attachments grounded when not in use (blades, grapples)			
Hard hat available in cab			
ANSI approved hard hat being worn properly when out of cab			
Open cab operator properly using hearing protection			
ANSI approved eye protection being worn properly if needed			
Worker properly wearing sturdy leather-boots with ankle support and moisture resistance			
Worker wearing puncture-resistance gloves while handling wire rope			
Ground workers on foot within clear view of the skidder operators			
Open cab operator wearing ANSI approved eye protection			
Are ground crews wearing ANSI approved eye protection			
Total Numbers-Dozer			
$\text{Section Score} = \frac{\text{Yes}}{\text{Yes} + \text{No}} \times 100 = \text{_____}\%$			

We put an X here because we didn't observe the dozer this day.

Manual Felling Operations	Yes	No	NA
All safety features on chain saw working properly (Chain break, chain catch, throttle interlock)	✓		
Saw fueled at least 10 feet from ignition sources		✓	
Start saw at least 10 feet from the fuel sources		✓	
Saw started with the chain brake on and firmly supported with at least 2 points of contact		✓	
Both hands kept on the saw when operating	✓		
Footing secure	✓		
There is no cutting overhead or alternative method used (such as a pole saw)	✓		
Chain saw shut off or chain brake engaged if the terrain is hazardous or if you are moving more than 2 steps		✓	
ANSI-approved hard hat being worn properly	✓		
Chain saw operator properly using hearing protection	✓		
Chain saw operator properly wearing ANSI approved face protection (logger-type mesh screens)	✓		
Chain saw operator properly wearing UL approved chaps	✓		
Chainsaw operator wearing optional eye protection		✓	
Chain saw operator wearing UL approved cut resistant boots that that cover and support the ankle		✓	
There are no overhead hazards when limbing and bucking	✓		
Work zone free from hazards (e.g., danger trees, hung trees, snags and dead lombs)	✓		
When bucking a wind-thrown tree, root wad is chocked to prevent it from hitting workers			✓
Worker checks the position, condition, and lean of the tree prior to felling	✓		
Worker establishes a clear fall path and landing zone	✓		
Worker has a planned and cleared escape path at an approximate 45-degree angle to the direction of the fall	✓		
Chain saw shutoff or chainbrake engaged before retreat	✓		
Using controlled directional felling through application of the open face notch method	✓		
Open face notch at least 70 degrees	✓		
Hinge length about 80% of tree diameter	✓		
Adequate hinge width (guideline is 1 inch per 10 inches of dbh) and depending on species	✓		
No bypasses in the notch	✓		
Worker at least two tree lengths from other workers and machines		✓	
If spring poles created, they are mechanically released or released by properly shaving wood from the underside			✓
Limbing and bucking on the uphill side of the log	✓		
Ensure log will not move or roll	✓		
Log is chocked or worker used cuts such as the top lock, limb lock or tongue and groove to control log movement			✓
First Aid Kit at each active felling location	✓		
Chainsaw fuel and bar/chain oil in container UL approved and properly labeled	✓		

Danger trees, lodged trees, snags felled or removed with equipment before felling starts (or marked and no work performed within two treelengths of the danger tree, unless the employer demonstrates that a shorter distance will not create a hazard for the employee)	✓		
Caution is exercised when operating on windy days			✓
Total Numbers-Manual Felling	24	7	
$\text{Section Score} = \frac{\text{Yes}}{\text{Yes} + \text{No}} \times 100 = \frac{24}{24+7} \times 100 = 77\%$			

Feller Buncher Operations	Yes	No	NA
Only trained operators operating feller buncher			
Feller buncher/saw-head never operated within 300 feet of other equipment or personnel			
Feller Buncher works up and down slopes			
Caution is exercised when operating on windy days			
Attachments always grounded or supported in safe position while not in operation or for maintenance			
Saw-heads always stumped to stop them prior to returning to the deck or servicing the head			
Machines/vehicles inspected at the beginning of each shift			
The unit includes all guards, screens, and shields			
Machines/vehicles with defects that affect see operation tagged and pulled from service until repaired			
Manufacturer's instructions located on each piece of equipment or in the area			
Seat belts being worn by operator on machine with ROPS and/or FOPS			
Each piece of equipment has its own fully charged portable fire extinguisher			
Machines operated to maintain "two tree length" safety zone for other workers and equipment			
Cabs free of unsecured tools and other loose items			
Hand or audible signals, radios, or phones used when noise/distance prevents clear voice communication			
There are no riders on equipment, other than the operator			
Steps intact and serviceable			
Handholds intact and serviceable			
Two means of access/egress			
3-point point/dismount			
There are no flammables in operator's cab			
ROPS and FOPS intact and serviceable			
Attachments grounded when not in use (blades, grapples)			
Hard hat available in cab			
ANSI approved hard hat being worn properly when out of cab			
Open cab operator properly using hearing properly			
ANSI approved eye protection being worn properly if needed			
Worker properly wearing sturdy leather-boots with ankle support and moisture resistance			

Worker wearing puncture-resistance gloves while handling wire rope			
Ground workers on foot within clear view of the skidder operators			
Open cab operator wearing ANSI approved eye protection			
Are ground crews wearing ANSI approved eye protection			
Total Numbers-Feller Buncher			

$$\text{Section Score} = \frac{\text{Yes}}{\text{Yes} + \text{No}} \times 100 = \text{_____} \%$$

Overhead Powerlines <input checked="" type="checkbox"/>	Yes	No	NA
A clearance of 10' maintained up to 50kV			
If a clearance of 10' cannot be maintained, lines reenergized or protected			
If voltage is higher than 50kV clearance increased 4" per 10kV			
Vehicle in transit with structure lowered clearance no closer than 4' increased 4" for every 10kV per 50kV			
Employees standing on the ground may not contact the vehicle or mechanical equipment or any of its equipment			
If insulating barriers are installed and properly for voltage of line the clearance is a distance within the designed working dimensions of the insulating barrier			
Are ground crews wearing brightly colored shirts, vests, or jackets?			
Total Numbers			

$$\text{Section Score} = \frac{\text{Yes}}{\text{Yes} + \text{No}} \times 100 = \text{_____} \%$$

Chemical Hazards <input checked="" type="checkbox"/>	Yes	No	NA
Fuels for vehicles, machinery and chain saws stored, handled, transported and used according to OSHA standards	✓		
Fuels for vehicles, machinery and chain saws NOT transported in the driver compartment or in any passenger-occupied area of a machine or vehicle	✓		
Fuels for vehicles, machinery and chain used to start fires only if the particular situation doesn't create a hazard to workers			✓
Gas-powered equipment shut off when fueling			✓
Diesel-powered equipment left at idle when fueling, only if safe fueling procedures followed	✓		
Total Numbers-Chemical Hazards	3		

$$\text{Section Score} = \frac{\text{Yes}}{\text{Yes} + \text{No}} \times 100 = \text{_____} \%$$

$\frac{3}{3+0} \times 100 = 100\%$

Chainsaw Operations (Non Felling) <input checked="" type="checkbox"/>	Yes	No	NA
All safety features on chain saw working properly (Chain break, chain catcher, throttle trigger interlock)			
Saw fueled at least 10 feet from ignition source			
Saw fueled at least 10 feet from the fuel source			

Saw started with the chain brake on and firmly supported or on the ground			
Both hands kept on the saw			
Footings secure			
No cutting overhead or alternative method used (pole saw)			
Chain saw shut off or chain brake engaged if the terrain is hazardous or if you are moving more than 50 feet			
ANSI-approved hard hat being worn properly			
Chainsaw operator properly using hearing protection			
Chain saw operator properly wearing ANSI approved eye protection and logger-type mesh screens			
Chainsaw operator wearing UL approved chaps			
Chainsaw operator wearing UL approved cut-resistant boots that cover and support the ankle			
Are ground crews wearing brightly-colored shirts, vests, and jackets?			
Total Numbers-Chainsaw Operations			
Section Score = $\frac{\text{Yes}}{\text{Yes} + \text{No}} \times 100 = \text{_____}\%$			

Instructions: To determine the score for entire the audit, add-up the total number of “Yes” hash marks and the total number of “No” hash marks and add those two totals together (Yes + No). Then divide the total “Yes” score by the total “Yes + No” score and multiply by 100 to get your percentage score.

Total Yes	99
Total No	45
Total Yes + No	144

$$\text{Final Score} = \frac{\text{Total Yes}}{\text{Total Yes} + \text{Total No}} \times 100 = \text{_____}\%$$

$$\frac{99}{99 + 45} \times 100 = 69\%$$