Company: ___________________________________________________________

Crew name: ___________________________________________________________

Owner(s) Name & Mobile #: ____________________________________________
____________________________________________________________________

Foreman Name & Mobile #: ____________________________________________
____________________________________________________________________
# Table Of Contents

How To Use This Booklet .................................................................................................................. 2  
Extreme Danger Conditions ............................................................................................................. 3  
Quick Jobsite Safety Checklist ...................................................................................................... 4  
Company Safety Training Policy ................................................................................................... 5  
Company Safety Policy .................................................................................................................. 6  
Company Drug and Alcohol Policy ............................................................................................... 7  
Minimum Safety Rules .................................................................................................................. 8  
Truck Driver Safety Rules ........................................................................................................... 11  
Suggested Safety Meeting Topics ................................................................................................. 15  
  Personal Protective Equipment .................................................................................................. 16  
  Equipment Operation Manuals ............................................................................................... 17  
  Lockout/Tagout .................................................................................................................... 18  
  Hazard Communication ......................................................................................................... 19  
  Hazardous Materials Emergency Response ........................................................................... 22  
  First Aid .............................................................................................................................. 24  
  Bloodborne Pathogens .......................................................................................................... 26  
  Hearing Conservation .......................................................................................................... 28  
  Heat Stress ............................................................................................................................ 31  
Safety Meeting Records ............................................................................................................... 34  
Safe Behavior Observations ....................................................................................................... 39  
Emergency Action Planning ........................................................................................................ 44  
Severe Injury And Illness Reporting ............................................................................................ 46  
Federal Logging Operations Regulations ...................................................................................... 47  
Free On-Site Safety Consultation ................................................................................................. 62  
Agency Contact Info .................................................................................................................... 63  
Emergency Responder Contact Info ........................................................................................... 64  
Emergency Response Site Directions ........................................................................................... 65
How to Use This Booklet

Use this booklet as a supplemental template and reference for your logging business safety program. The included sample forms, example policies and guidelines for maintaining safety records may assist you with OSHA (Occupational Safety and Health Act) compliance. You should modify and supplement the provided forms and guidelines as needed for your operation(s) and business.

In the top center of each page is a box with the words DAILY, WEEKLY, MONTHLY, ANNUALLY, or CONTINUALLY which indicates the frequency of the required information. Blank lines (______) require written information such as company name or signatures and dates, etc. Record all entries in ink (not pencil). Signed forms specific to an individual employee should be kept with that employee’s personnel file.

This booklet is NOT a complete safety manual with everything you may need. Each company is encouraged to begin their own manual with detailed information to backup this booklet. Each company is individually responsible for OSHA compliance and other safe work practices.

A listing of agencies able to provide additional information and consultation is included on page 63.

Thanks to the NC Forestry Association and Forestry Mutual Insurance Company for their work in developing the original safety checklist on which this booklet is modeled.

Comments or suggested improvements to this booklet should be directed to the Georgia Master Timber Harvester Program by calling 706-542-7691 or emailing gamth@uga.edu.
Every employee should be alert for these conditions AT ALL TIMES:

- Are the workers exposed to overhead hazards wearing hardhats?

- Are lodged or hung trees flagged and pulled down as soon as possible?

- Does the loader operator avoid swinging the boom over other workers?

- Do deckmen maintain a safe distance from the loader?

- Does the feller check for overhead hazards before felling a tree?

- Are workers a safe distance from trees being felled?

- Are workers a safe distance from moving skidders and pull logs?

- If applicable, is chain saw felling avoided during high wind conditions?
Quick Jobsite Safety Checklist

CONTINUOUS

**Date:** ______________

<table>
<thead>
<tr>
<th><strong>General Operation</strong></th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>All employees properly trained in the safest way to perform their job(s).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All employees in visual or audible contact with another employee.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All employees wearing hardhats when exposed to overhead hazards.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All employees wearing seatbelts in vehicles and equipment.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chain saw operators wearing all required personal protective equipment.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All equipment operated a safe distance from other equipment and employees.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adequate handholds and footing surfaces provided on equipment.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Loader/Deck Area</strong></th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operator does not swing boom or loads over workers.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Truck drivers exit cab and stay a safe distance from loading operation.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All employees on ground stay safe distance from loading area.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loader has protective cab guarding.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Logs placed properly on trucks (tightly secured below standards).</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Felling Operations</strong></th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum two tree length distance between felling and closest workers.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All lodged and hung trees pulled down as soon as possible.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All employees maintain at least 500 feet from high-speed disc cutters.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High speed cutter teeth, teeth holders and disc properly maintained</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protective cab structure and guards on mechanical cutters in place.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overhead hazards checked and high wind condition avoided and before felling.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pole saw operators must wear hard hat, ear protection and safety glasses.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>If applicable, chainsaw safety devices present, operational, and caution used to prevent saw kickback.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>If applicable, manual-felling cuts must have adequate hinge to result in directional felling allowing a clear path of retreat.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>If applicable, swing cuts and Domino tree felling or using pusher trees prohibited.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Manual Limbing and Bucking</strong></th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area clearly identified and free of random equipment movement.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skidder operators have clear view of approach and eye contact with limbers.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Limbers/bucker determine direction of limb or log movement before cutting.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring poles cut and removed safely.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chain saws controlled during cuts and traveling between cuts.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Skidding Operation</strong></th>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adequate guarding of cab front, sides and rear.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safe operating speeds and seat belts worn.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Passengers prohibited.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Company Safety Training Policy
CONTINUOUS

- How and when employees are trained:

- How existing employees receive refresher training:

- How training is documented (equipment, first aid, HAZCOM, hearing conservation, minimum safety rules, safety meeting, personal protective gear, emergency response, etc.):

- Safety workshops or training courses (locations, who will attend):

- What training materials are used (videos, handouts, checklists, etc.):

- Time schedule for training new and existing employees:
Our policy includes the following:

1. A responsible employee in a position of authority will be appointed Safety Coordinator. _________________________________has been appointed to fill this position.

2. Owners, supervisors, foremen and employees are responsible for implementing this policy by working in a safe manner.

3. Regularly scheduled safety meetings will be held with all employees.

4. All accidents will be reported, investigated and actions taken to prevent reoccurrence.

5. All new employees will be trained in safe working practices for the particular jobs and closely supervised until they are signed off and they are fully capable of safe performance.

6. All employees are required to use personal protective equipment provided by this company or the employee. Equipment will be kept in good condition.

7. Employees will immediately report any and all accidents to their direct supervisor.

8. All employees are expected to cooperate in keeping work areas clean and free of hazards. Employees will report any observed hazard to their immediate supervisor.

9. Each employee is required to keep a safe distance from other employees while moving equipment.

10. Employees will operate equipment as instructed in a safe and reasonable manner.

11. _____________________________________________________________

12. _____________________________________________________________

______________________________________________________________
Employee signature                                                        Date

______________________________________________________________
Witness signature                                                            Date
As a condition of employment, I hereby agree to the following rules and regulations pertaining to illegal drugs, alcohol and legally prescribed medical drugs:

1. I agree to notify my employer of the need for me to take any prescription drug.

2. I agree not to operate any equipment or motor vehicle while taking a prescribed drug that may impair the safe performance of my duties.

3. I agree never to drink alcohol when operating equipment on the job.

4. I agree never to use any illegal or controlled substance while employed.

5. I agree never to report for work while under the influence of alcohol or illegal drugs. I will advise my supervisor upon reporting to work if I am taking medication prescribed by a doctor.

6. I agree that if I am asked to take a test for illegal or controlled substances and refuse, that refusal will constitute my immediate voluntary resignation.

7. I agree that if I violate any of the above rules and regulations my employment will be terminated immediately.

8. I understand that a Georgia workers’ compensation claim may be denied if testing is positive for alcohol or controlled substances.

<table>
<thead>
<tr>
<th>Employee signature</th>
<th>Date</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Witness signature</th>
<th>Date</th>
</tr>
</thead>
</table>
1. All accidents, no matter how slight, must be reported to your supervisor IMMEDIATELY.

2. Any employee injured on the job or requiring medical treatment must first report the injury to her/his supervisor on the same shift it occurs. A medical emergency is an open wound requiring stitches, loss of consciousness, or any injury involving broken bones. If you go to the Emergency Room or to a physician on your own, you may have to pay your own bill. The company has the right to refuse payment when the company has approved a medical provider for treatment and you elect to use the services of another physician without obtaining consent from the company.

3. Personnel protective equipment (hard hats, chaps, eye protection, ear protection, gloves, etc.) will be provided and must be worn in designated areas at all times.

4. Designated areas where personal protective equipment is required are as follows:

5. All workers must wear adequate footwear. Tennis shoes, platform shoes, sandals, cowboy boots, etc., are not acceptable.

6. Use of alcohol and/or illegal narcotic drugs on the job or the debilitating effects of their prior use shall not be permitted and shall be grounds for immediate termination of employment. Personnel on each shift should inform their supervisor of the medications they are taking.

7. Machine guards and/or protective shields, barricades, safety devices, etc., shall not be removed except by authorized personnel such as mechanics, maintenance personnel, etc., and shall be reinstalled as soon as maintenance activities are completed. Such machinery/equipment is not to be operated until a maintenance person declares it operable.

8. Machine and equipment operators must ensure that all guards and shields are in place and in proper working condition prior to beginning and during operations. Such machinery/equipment is not to be operated until a maintenance person declares it operable.

9. Equipment shall be LOCKED AND TAGGED OUT prior to performing any maintenance, making any adjustments, or removing debris. Allow coast down time for all parts to completely stop moving before starting work. Make sure the equipment is at a “zero energy” state.

10. When “jump starting” mobile equipment, employees must insure that its running gear is in neutral, brakes are locked, head/ blades and/or buckets are lowered, and that no safety device designed to prevent machine movement is being bypassed.

11. HORSEPLAY and running shall not be permitted on the premises, to include all work areas inside and outside the buildings and parking lots.
12. If you are unfamiliar with an operation or machine, you must first check with your supervisor prior to proceeding. The company is required to sign you off as ‘trained’ before you operate equipment.

13. Any unsafe condition noted must be reported to your supervisor, who is responsible for having the conditions corrected prior to proceeding.

14. When mobile equipment (skidders, dozers, front end loaders, feller bunchers, etc.) are not in operation or parked, blades, buckets, cutting heads, etc., must be lowered to ground level.

15. Employees must wear seat belts when mobile equipment is being operated, i.e., skidders, dozers, loaders, feller bunchers, tractor-trailers, or other vehicles are being operated or when riding as a passenger in a vehicle.

16. Hitching a ride on any mobile equipment (skidders, dozers, front-end loaders, feller bunchers, etc.) is not allowed.

17. Employees shall not talk, signal, or distract in any manner another employee while they are operating moving and/or mobile equipment, i.e., chain saws, skidders, loaders, feller bunchers, etc. Employees may not use handheld or hands-free mobile electronic devices or voice features in vehicles while operating a motor vehicle or mobile equipment.

18. Before starting manual felling, the employee cutting the tree must make sure all other employees are a safe distance away from the manual felling tree stump.

19. Workers must keep a minimum distance of at least two tree lengths between themselves and mobile equipment and/or felling operations.

20. Never leave a lodged or hung tree. The area in which the lodged tree is located is to be flagged and the skidder operator immediately notified to pull the hazardous tree to the ground immediately.

21. Employees working on the ground (stumpers, limbers, skidder operators, etc.) shall always observe for overhead hazards (lodged trees, hung limbs, etc.)

22. Employees cutting down trees shall have a clear path of retreat before beginning a cut to ensure that a line of escape is available.

23. Always plan the direction of fall of any tree being felled. Proper undercut must be made on all trees where necessary. Never cut a standing tree completely through. Sufficient wood should be left between the undercut and the felling cut that the tree can hinge to prevent kickback.

24. Chain saw operators must always grip the saw firmly with both hands, wrap the front hand-hold bar with the thumb and never cut with the tip of the chain saw blade.

25. All chain saws must be equipped with a properly functioning chain brake, throttle interlock and chain catch. Chain saw operators must wear protective chaps, eye and face protection and hearing protection.

26. Employees shall avoid standing between logs that may roll while being bucked, or position themselves so as to be thrown or struck while logs or the loader is moving poles.

27. Knuckleboom loader operators must never swing the boom over employees.
28. Loader operators shall never load log trucks more than \( \frac{1}{2} \) the height of the diameter of the top-most logs over stationary standards. The load may be rounded in the middle so as to secure and balance the load.

29. Do not set up the loader or deck under power lines or over underground utilities.

30. Truck drivers must be at a safe distance away from the truck during loading or unloading operations.

31. When in the immediate vicinity of a log truck each employee shall constantly be aware of and position himself in such manner so as to ensure that he will not be struck by material falling from the truck.

32. All truck drivers must comply with all state and federal laws, statutes, and regulations relating to highway safety (speed and weight limits, driving time, stop signs, etc.)

33. Each employee will be trained in, and required to use, proper lifting techniques and body mechanics. When confronted with lifting and/or moving any object for which the employee must exert more force than that required in the normal performance of his routine duties, he is to either seek the assistance of an adequate number of employees to lift and/or move the object in a safe manner, or lift and/or move it by mechanical means.

NOTE: These safety rules have been developed for the protection of your safety and health. Abiding by these rules will make our operation more efficient and successful; however, repeated violation of these safety rules will be grounds for termination of employment. The following actions may be taken for repeated violations:

<table>
<thead>
<tr>
<th>First Offense:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Second Offense:</td>
<td></td>
</tr>
<tr>
<td>Third Offense:</td>
<td></td>
</tr>
</tbody>
</table>

Other disciplinary actions:

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

I have read and understand the safety rules listed above and agree to comply with the company's safety requirements:

____________________________________________________  Date

Employee signature  

____________________________________________________  Date

Witness signature  

____________________________________________________  Date
1. All accidents/Injuries, no matter how slight, must be reported to your supervisor IMMEDIATELY.

2. Any employee injured on the job or requiring medical treatment must first report the injury to her/his supervisor. A medical emergency is an open wound requiring stitches, loss of consciousness, or any injury involving broken bones. If your injury requires an emergency room visit, then a drug and alcohol test should be performed. If you go to the Emergency Room or to a physician on your own, you may have to pay your own bill. The company has the right to refuse payment when the company has approved a medical provider for treatment and you elect to use the services of another physician without obtaining consent from the company.

3. Personnel protective equipment (i.e. hard hats, eye protection, ear protection, gloves etc.) will be provided and must be worn in designated areas at all times.

4. All workers must wear adequate footwear. Tennis shoes, platform shoes, sandals, cowboy boots, etc. are not acceptable.

5. (If applicable) a zero tolerance drug and alcohol policy is in effect – see Company Drug and Alcohol Policy.

6. Equipment shall be LOCKED AND TAGGED OUT prior to performing any maintenance, making any adjustments, or removing debris. Allow coast down time for all parts to completely stop moving before starting work. Make sure the equipment is at a “zero energy” state.

7. If you are unfamiliar with an operation or machine, you must first check with your supervisor prior to proceeding.

8. HORSEPLAY and running shall not be permitted on the premises, to include all work areas in/outside the buildings and parking lots.

9. Physical violence will not be tolerated; violations will include disciplinary action up to and including termination.

10. Pre and post trip inspections of equipment/vehicles must be completed daily.

11. Any unsafe condition noted must be reported to your supervisor, who is responsible for having the conditions corrected prior to proceeding.

12. Daily log sheet/time card sheet is to be completed daily.

13. Three points of contact rule must be observed when entering and or exiting equipment or vehicles at all times.
14. Employees must wear seat belts when tractor-trailers, service trucks, or other vehicles are being operated or when riding as a passenger in a company vehicle.

15. Unauthorized passengers or non-employees are prohibited on all company vehicles and equipment without prior approval from management, i.e., hitchhikers.

16. All truck drivers must comply with all State and Federal Motor Carrier Safety Administration (FMCSA) statutes and regulations relating to highway safety (i.e., speed & weight limits, drive time, flagging, tarps, signage, etc.).

17. Ensure safety of yourself and your vehicle when on customer property in regards to terrain; hazards that could cause damage to vehicle and or property; knowing vehicle height to recognize potential overhead hazards, etc.

18. Clear vehicle of debris after being loaded and after unloading, i.e. mulch, bark, dirt, sand, etc.

19. Employees shall not talk, signal, or distract another employee in any manner while they are operating moving and/or mobile equipment, i.e., chain saws, skidders, loaders, feller bunchers, etc.

20. Workers must keep a minimum distance of at least two tree lengths between themselves and logging equipment.

21. While on the work site, employees shall always observe for overhead hazards, i.e., lodged trees, hung limbs, loading operation, etc.

22. Employees shall avoid standing between logs that may roll while being bucked or position themselves so they cannot be thrown or struck while logs or the loader is moving poles.

23. Driver is responsible for his load. Loader operator shall never load log trucks more than 1/2 the height of the diameter of the outer logs over stationary standards. The load must be rounded in the middle so as to secure and balance the load. The driver is responsible to communicate any correction to the loader operator.

24. Employee must be aware of power lines while entering and exiting job sites and while strapping downs loads.

25. At the deck drivers can only remain in the cab of the truck if logs are not swung over the cab. Drivers that remain in the truck during loading or unloading operations must stay in the cab and must not enter and exit vehicle while it is being loaded/unloaded. Rules for individual mills may require all drivers to exit the truck during loading/unloading operation.

26. Truck drivers that leave the cab must be at a safe distance away from the truck during loading or unloading.
27. When in the immediate vicinity of a log truck, each employee shall constantly be aware of, and position himself in such manner so as to insure that he will not be struck by material falling from the truck.

28. Each employee will be trained in, and required to use, proper lifting techniques and body mechanics. When confronted with lifting and/or moving any object for which the employee must exert more force than that required in the normal performance of his routine duties, he is to either seek the assistance of an adequate number of employees to lift and/or move the object in a safe manner, or lift and/or move it by mechanical means.

29. Employee must abide to all Federal & State laws, also Company Policy concerning cell phone usage.

NOTE: These safety rules have been developed for the protection of your safety and health. Abiding by these rules will make our operation more efficient and successful; however, repeated violation of these safety rules will be grounds for termination of employment. The following actions may be taken for repeated violations:

<table>
<thead>
<tr>
<th>First Offense:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Offense:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Offense:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

Other disciplinary actions:

________________________________________________________________________________
________________________________________________________________________________

I have read and understand the safety truck driver safety rules listed above and agree to comply with the company's safety requirements.

EMPLOYEE SIGNATURE: ___________________________ DATE: ___________________________
I have read and understand the safety truck driver safety rules listed above and agree to comply with the company's safety requirements.

EMPLOYEE SIGNATURE: ____________________________

DATE: ____________________________
Frequent safety meetings are very useful with a short weekly meeting recommended. A more lengthy and detailed meeting will be necessary for some topics. Use **SAFETY MEETING** forms to document monthly safety meetings (page numbers denote example meeting materials included).

- Personal Protective Equipment (page 16)
- Review of Equipment Operation Manuals (page 17)
- Lockout/Tagout Procedures/ZES (zero energy state) (page 18)
- Hazard Communication (HAZCOM) (pages 19-21)
- Hazardous Materials Emergency Response Plan (pages 22-23)
- First Aid (pages 24-25)
- Bloodborne Pathogens (pages 26-27)
- Hearing Conservation (pages 28-30)
- Heat Stress (Pages 31-33)
- Fire Extinguisher Training
- Driver Training/DOT Review
- Log and Transport Truck Inspection
Check (√) what is required:

<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>LOADER</th>
<th>SKIDDER/BUNCHER</th>
<th>SAWHAND</th>
<th>TRUCK DRIVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Hat</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Face Screen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eye Protection</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hearing Protection</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safety Shoes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Saw Chaps</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gloves</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seatbelt</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

I understand the above company requirements for proper use of personal protective equipment:

**EMPLOYEE SIGNATURE:** ________________________________  **DATE:** ________________________________
Equipment operation manuals must be with each machine on the job site. Use them as training materials with each new employee before the new job begins. Review the manuals each year with all employees who will operate that specific piece of equipment.

<table>
<thead>
<tr>
<th>EQUIPMENT:</th>
<th>OPERATOR(S):</th>
<th>DATE OF REVIEW/TRAINING:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Lockout/Tagout Policy

ANNUALLY

1. All logging equipment, transport vehicles, and implements will have a lockout or tagout procedure to protect employees conducting service or maintenance. Individual lockout or tagout procedures are specific to each piece of equipment. Actions will be based on procedures in the equipment operator’s manual.

2. Equipment will be shut down and placed in a zero energy state (ZES) for areas on the equipment where work will be performed. Examples of energy include gravity (rolling down a hill, broken floor jack), hydraulic pressure (falling boom, falling blade, arms or grapple closing), electrical (equipment switch-on, shock), chemical (ignited fuel can), and air pressure (changing tires).

3. Persons authorized to service and repair equipment must eliminate all energy (to include stored energy) from the affected equipment and lockout or tagout the equipment by means of operating the controls. This ensures that another person does not energize or activate any item on the equipment. Tags and locks should be readily available and all employees (authorized, affected, others), are trained in their use. **Locks are a prevention tool and tags are a warning tool.**

4. When maintenance must be performed on any elevated attachment, chain or block the blade or lifting devices with a positive means of support to prevent injuries. If welding on any piece of equipment, disconnect the battery to prevent potential injury.

5. No person is to remove or bypass a lockout or tagout device. Only the employee who placed the tag or lock may remove it.

6. Replace all guards prior to starting the equipment.

   *I have read the above policy on lockout and tagout. I understand and agree to follow the stated procedures.*

**EMPLOYEE SIGNATURE:**

________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________

**DATE:**

________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
________________________________________________________
Hazard Communication Program
CONTINUOUS

This Hazard Communication (HAZCOM) Program was developed to make employees aware of chemical hazards. Information is provided to employees about chemicals used on the job through a master list of chemical names, Safety Data Sheets (SDS) kept on the job site in a booklet, proper labeling of containers, training for new employees and annual reviews for all employees.

The HAZCOM Program Coordinator for this company is ______________________________ (name).

*The Coordinator is responsible for overseeing the program.*

Complete Chemical List
A list of any hazardous materials used on our job sites is updated as needed and is available at ____________________________________________________ (location).

Master Chemical List
A list of common and frequently used hazardous materials is available at ________________ (location). This list is kept with the SDS file on the job site and has an SDS for each chemical listed. First aid treatments are shown.

Safety Data Sheets (SDS)
Information on hazardous materials found on the job site is available to any and all employees. The SDS file is found on the job site at __________________________________________ (location).

Container Labeling
Hazardous material containers will be clearly labeled as to: contents, correct hazard signal word, name and address of manufacturer, hazard statement, precautionary statements and pictograms. Labeling is not required for portable containers intended for immediate use.

Training
1. New employees must attend a training session before working with hazardous materials. This training is to cover:
   - Information contained in SDS.
   - Labeling elements
   - Physical and health hazards for job site chemicals.
   - How presence or release of materials is detected.
   - How to protect against hazards by personal protective equipment, special handling.

2. All employees must receive annual refresher training in the above, as well as immediate training if a new material is added or a new hazard is determined.
3. Supervisors must receive training adequate to answer employee questions and monitor job site hazards.

4. Any outside contractor will be advised of any hazards existing on the job site and the location of SDSs. Proper labeling and SDS for any chemical brought on the job site must be present.

Additional information
Any employee can obtain additional information by contacting the designated HAZCOM Program Coordinator listed above.

The HAZCOM Program above has been reviewed by me, and I fully understand my rights and responsibilities.

EMPLOYEE SIGNATURE: ___________________________  Date: ___________________________
A SDS for each of materials listed below is available at:

________________________________________________________

<table>
<thead>
<tr>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

This master list was prepared by and will be updated by:

____________________________________________________________________

____________________________________________________________________
Hazardous Materials Emergency Response Plan

CONTINUOUS

Most spills will involve fuel oil, motor oil or hydraulic oil, and though Georgia EPD (Georgia Environmental Protection Division) does not classify these materials as hazardous materials, such spills could pose an environmental threat. The following actions will be used to handle leaks and spills and to prevent any environmental damage.

Designated persons will be trained as a first response team. Response team training topics include: containing spills, cleaning up spills, recognizing hazards in clean up, and recognizing limits on ability to clean up.

Reporting the spill
Report any and all leaks or spills to your immediate supervisor. The reporting sequence is as follows: Employee to Supervisor, Supervisor to Company Owner, and then, if required, company owner to the Georgia EPD (Spill Reporting Phone Number: 1-800-241-4113) and the National Response Center (Phone Number: 1-800-424-8802).

Spills into state waters must be reported immediately, within 15 minutes of becoming aware of them. If a spill endangers human health or poses a significant environmental threat, it should be reported to 911 in addition to Georgia EPD and the National Response Center.

When talking to Spill Reporting phone operators, be sure to include the following:
- your name, affiliation, your callback number that you will be at for up to an hour
- material and estimated quantity spilled
- nearby waterways

In addition to contacting these agencies, you should also write a brief report including calls made, public agency answers and responses, and actions taken by you and other company employees.

Handling the spill
If the material is listed as hazardous or you do not know what it is:
- do not attempt containment or clean up
- stay a safe distance away
- allow no one to enter the area, use flagging if necessary
- large volumes of gasoline or other volatile substances should be avoided
- call and wait for the first response team

If the material is known and is not hazardous, stop the release if you have been trained and proceed with site mitigation accordingly.

Further technical guidance, including a suggested spill report form is available at Georgia EPD’s website:
Hazardous Materials Emergency Response Plan

CONTINUOUS

The “First Response Team” of trained employees is:

_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________

_________________________

Spill cleanup tools and supplies consist of:

_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________

_____________________________________________________________________

and are located
at:______________________________________________________________

The following employees have reviewed this emergency response plan and understand their duties.

EMPLOYEE SIGNATURE:_________________________________________ DATE:____________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________

___________________

___________________

___________________

___________________

___________________

___________________

___________________

___________________

___________________

___________________
The following employees have completed the indicated training. Photocopies of signed certification cards are on file at:
__________________________________________________   (location).

Completion Dates:

<table>
<thead>
<tr>
<th>EMPLOYEE SIGNATURE:</th>
<th>FIRST AID:</th>
<th>CPR:</th>
<th>BLOODBORNE PATHOGENS:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Exact requirements for which employees must complete this training are stated in the OSHA Logging Operations Regulations, which is located in the last section of this booklet.
First Aid Kit Contents

ANNUALLY AND WHEN USED

Kits must be available on each job site and in transport vehicles.

Large Kits—Located on job site at:

The contents of the first-aid kit listed should be adequate for small work sites, consisting of approximately two or three employees. When larger operations or multiple operations are being conducted at the same location, additional first aid kits should be provided at the work site or additional quantities of supplies should be included in the first aid kits.

Contents include:

1. Gauze pads (at least 4x4 inches)
2. Two large gauze pads (at least 8x10 inches)
3. Box of adhesive bandages (band-aids)
4. One package gauze roller bandage at least 2 inches wide
5. Two triangular bandages
6. Wound cleaning agent, such as sealed moistened towelettes
7. Scissors
8. At least one blanket
9. Tweezers
10. Adhesive Tape
11. Latex gloves
12. Resuscitation equipment, such as resuscitation bag, airway or pocket mask
13. Two elastic wraps
14. Splint
15. Directions for requesting emergency assistance

Compact Kits—carried by chain saw operators working away from the logging deck

Kits, at a minimum, should contain:
1. Wound Compress
2. Latex Gloves
3. Assorted Band-Aids
4. Antiseptic Swipes

Items should be packaged to remain clean and dry.

Contents lists are based on the Federal OSHA Logging Operations.
Bloodborne Pathogen Exposure Control Plan

CONTINUOUS

This plan has been developed to minimize and prevent exposure of employees to disease causing microorganisms in human blood. All employees who could be exposed to blood or infectious materials are involved in this program. The OSHA Bloodborne Pathogens Standard applies to those persons who are first aid trained and those who would be exposed while not in a first aid capacity.

Bloodborne Pathogens
Those agents, primarily viruses, present in human blood, semen, vaginal secretions, internal body fluids, and any body fluid contaminated with blood. Urine, feces, and vomit are not considered infectious unless contaminated with blood. The two worst pathogens are considered to be HIV/AIDS (Human Immunodeficiency Virus) and HBV (Hepatitis B Virus). Of these two, HBV is the most prevalent and most contagious, while HIV/AIDS can be fatal.

Hazards
HIV/AIDS and HBV can be spread in the workplace by blood contact with an open wound (scratch or cut), blood contact with mucous membranes (mouth, eyes, nose), or being stuck with a used hypodermic needle (diabetic use).

Clothing and other materials can become contaminated and can be sites for infection. An employee can be exposed by using improperly cleaned equipment where blood and/or body fluids are present, such as touching and removing blood-soaked clothing or bandages. Someone away from the job can also be affected, such as a spouse or garbage collector who comes in contact with the contaminated material.

Prevention

Protective Equipment: protective items must be used during administration of first aid or CPR (disposable rubber gloves, eye protection, and mouthpiece or airway device). These must be readily available on the job site.

Handling: once-used rubber gloves must be disposed of. Employees must wash their hands immediately after removal of disposable gloves. Equipment in contact with blood or body fluids must be washed immediately with soap and water.

Clothing and Articles: personal clothing and equipment must be cleaned, laundered, disposed of or replaced, if contaminated. The crew foreman or business owner should supervise the disposal as needed. Consider calling the local health department or other medical authorities for disposal assistance. Sharp objects must be placed in puncture-proof containers.

Housekeeping: All equipment and work areas exposed to blood or other body fluids must be cleaned with a disinfectant. All tarps and protective covers should be cleaned or replaced, if contaminated. Eating, drinking, smoking, and applying
contact lenses are prohibited in work areas where there is a possibility of contact with human blood or body fluids.

_Hepatitis B Vaccinations:_ Any person who has had an occupational exposure has the right to request a series of three injections. The crew foreman or business owner may arrange for the three injections over a six-month period prior to exposure or offer this series within 24 hours of a first-time exposure. The employee is not required to take the vaccination, but if he or she declines, then a declination form must be signed stating that decision. Refer to 29 CFR 1910.1030, Appendix A—Hepatitis B Vaccine Declination (Mandatory).

_After Exposure and the Follow-up:_ The employee reports the exposure immediately to his supervisor. The boss logger writes down the method of exposure, and details of the incident. Personal data such as identification can be included in the medical file. Blood from the victim and exposed person is collected and tested. Medically indicated treatment to prevent disease will be given to the employee. Counseling of the employee regarding results of the finding and documentation from the health care provider will be given to the employee. A record of illnesses of the employee after the incident shall be documented for one year by the employer.

_Training_

An annual training session will address this plan. Names of attendees and the names of certified individuals will be documented. It is recommended that this be done in conjunction with first aid/CPR training.

**EMPLOYEE SIGNATURE: (*) indicates first aid responder**

<table>
<thead>
<tr>
<th>EMPLOYEE NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

_Record keeping_

- Employee illnesses for one year after exposure.
- Training records for three years.
- Employee medical records for thirty years after leaving employment.
Hearing Conservation—What It Means to Employers

CONTINUOUS

Hearing loss can happen slowly over a period of time, or it can happen instantly with exposure to a loud, sudden noise. Either way, it can affect you as an employer.

If your employees work in conditions where they have to shout to be heard, your company probably falls within OSHA guidelines with regard to hearing conservation. Effective April 1983, OSHA amended the requirements for occupational noise exposure. The Hearing Conservation Amendment reduced the allowable noise exposure for employees to 85 decibels per eight-hour period. Most machinery used in the lumber and logging industry ranges from 85 to 110 decibels.

If you have such noise levels, you should have a hearing conservation program in place. You might say, “I provide hearing protection, isn’t that enough?” Not according to OSHA.

A complete hearing conservation program consists of five areas:

- Sound level measurements
- Audiometric testing and evaluation
- Hearing protection
- Education
- Recordkeeping

Sound Level Measurements

You have to know how loud your equipment is to know if you should have a program. These measurements determine what type of hearing protection your employees should use. They also help determine who should be included in the program. Many insurance companies will measure your sound levels free of charge. You can also take your own sound level measurements if you have a calibrated sound level meter. Most industrial audio logical companies can explain how to use this equipment. Some companies may allow you to borrow a sound level meter. These options can save your company money; however, certain criteria must be met.
**Audiometric Testing**

Hearing tests are conducted at least once each year. The first test is called the baseline test. This determines the employee’s hearing threshold, the level at which they can just hear a tone presented at each frequency. Each year thereafter the employee is retested. The results are compared to the baseline to measure any changes in hearing. An audiologist or medical professional makes appropriate recommendations; a change in hearing protection, ensuring employees are wearing their protection correctly, medical referral. If there is a significant change at certain frequencies, known as a standard threshold shift (STS), the incident is recorded on the OSHA-300 forms.

**Hearing Protection**

Employees should be provided with adequate hearing protection. This can be in the form of formable, disposable earplugs, hard rubber plugs, earmuffs, customized hearing protection, etc. There are a variety of different options. It’s not enough, however, just to provide hearing protection. As an employer, it’s also your responsibility to make sure that the hearing protection is worn and it is worn correctly. Hearing protection should be treated just like other protective devices. How do you handle an employee who doesn’t wear safety glasses or an employee who doesn’t wear safety boots?

**Education**

Education is considered to be one of the most important aspects of the hearing conservation program. Employees are much more likely to wear their hearing protection if they see how it can protect them.

**Record Keeping**

Written documentation proves that testing and training were conducted. You should keep all employee test results, sound level measurements and records of educational sessions (who attended, topics covered). It is important not only to have a hearing conservation program to avoid OSHA citations, but also to protect the health and well-being of your employees. Hearing loss is painless, progressive, permanent and preventable!
Protecting the hearing of employees is a priority. This operation will take the following steps to help prevent hearing loss:

1. All employees will wear hearing protection in areas where noise levels are above 85 decibels.

2. Noise levels can be expected to be in the following ranges at full power:
   - Chain saw (105-110 decibels)
   - Skidder (100-105 decibels)
   - Loader (100-105 decibels)
   - Chipper (100-110 decibels)
   - Grinder (100-110 decibels)
   - Feller Buncher (100-110 decibels)
   An annual noise level check, listed above, should be made to identify high noise areas.

3. Employee training will be conducted for those exposed to noise above 85 decibels. This will include:
   - A safety meeting on hearing conservation.
   - A discussion on proper types of protection and their uses.
   - Being told to wear hearing protection.
   - Documentation on a safety meeting record form.

4. Employees exposed to noise over 85 decibels will wear one of the following approved types of protection:
   - Moldable inserts
   - Earmuffs attached to hardhats, or
   - Earmuffs attached to headband
Our policy is to provide as safe a workplace as possible for our employees and all employees are expected to cooperate as a condition of employment. All employees will be trained on the recognition and prevention of heat related illnesses using the Heat Stress Program.

**Emergency Procedures:**

In the event of a **heat related incident, medical emergency or personal injury**, notify _______________ or your supervisor, or call 911 as soon as possible. First aid and emergency cooling will be provided until emergency medical assistance arrives. If the person can be moved, carry by stretcher, or walk the individual to the break area to administer first aid or emergency cooling. If the injuries do not allow for movement, then give first aid or emergency cooling at that location.

**Company Policy:**

1. Managers, supervisors, and employees are responsible for implementing this policy.
2. All employees will be trained in safe working practices and heat illness prevention.
3. Cool potable water is available at the service truck. Employees are encouraged to drink water and stay away from caffeinated drinks.
4. Employees are encouraged to take breaks in a shaded area or in other cool areas.
5. Employees are allowed to self-relieve themselves as needed for water breaks.
6. Supervisors and employees are instructed to watch out for each other. Training is provided to supervisors and employees on heat related illnesses.
7. For new employees or employees not naturally acclimatized, a lighter workload and longer rest periods will be allowed for the first 3-5 days of work. Natural acclimatization will be determined by previous similar work experiences and weather temperature and humidity during those previous work experiences.
8. On days when the temperature exceeds 90º and relative humidity exceeds 40% and work demand requires moderate to heavy work, employees are encouraged to drink 5 to 7 ounces of water every 20 minutes while working in these conditions.

After you have read and fully understand the Safety Rules, please sign and date.

<table>
<thead>
<tr>
<th>EMPLOYEE SIGNATURE</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>__________________</td>
<td>______</td>
</tr>
<tr>
<td>__________________</td>
<td>______</td>
</tr>
<tr>
<td>__________________</td>
<td>______</td>
</tr>
<tr>
<td>__________________</td>
<td>______</td>
</tr>
<tr>
<td>__________________</td>
<td>______</td>
</tr>
</tbody>
</table>
Background: In the wood product industries, most work is performed outside or in a facility that can not be air-conditioned. The high temperatures are accompanied with high humidity levels during the summer months. When these conditions exist, employees are more likely to encounter heat-related illnesses.

What must an employee know: As a supervisor or employee, you should know how to recognize a victim of heat-related illness. Understanding the signs of heat-related illnesses could protect you and others from heat stroke. Employees must watch each other and familiarize themselves with the symptoms of heat illnesses.

Some symptoms to watch for:
- Red flushed skin
- Weakness
- Dizziness
- Nausea
- Seizures
- Headache
- Rapid pulse
- Unconsciousness
- An internal body temperature of 106-degrees or higher

High temperatures and humidity stress the body's ability to cool itself, and heat illness becomes a special concern during hot weather. There are three major forms of heat illnesses: heat cramps, heat exhaustion, and heat stroke, with heat stroke being a life threatening condition.

- **Heat Cramps** - Heat cramps are muscle spasms that usually affect the arms, legs, or stomach. Frequently they don't occur until sometime later after work, at night, or when relaxing. Heavy sweating, especially when water is replaced by drinking, but not salt or potassium causes heat cramps. Although heat cramps can be quite painful, they usually don't result in permanent damage. To prevent them, drink electrolyte solutions such as Gatorade during the day and try eating more fruits like bananas.

- **Heat Exhaustion** - Heat exhaustion is more serious than heat cramps. It occurs when the body's internal air-conditioning system is overworked, but hasn't completely shut down. In heat exhaustion, the surface blood vessels and capillaries, which originally enlarged to cool the blood, collapse from loss of body fluids and necessary minerals. This happens when you don't drink enough fluids to replace what you're sweating away.

  The symptoms of heat exhaustion include: headache, heavy sweating, intense thirst, dizziness, fatigue, loss of coordination, nausea, impaired judgment, loss of appetite, hyperventilation, tingling in hands or feet, anxiety, cool moist skin, weak and rapid pulse (120-200), and low to normal blood pressure.

- **Heat Stroke** - Heat stroke is a life threatening illness with a high death rate. It occurs when the body has depleted its supply of water and salt, and the victim’s body temperature rises to deadly levels. A heat stroke victim may first suffer heat cramps and/or the heat exhaustion before progressing into the heat stroke stage, but this is not always the case. It should be noted that, on the job, heat stroke is sometimes mistaken for heart attack. It is therefore very important to be able to recognize the signs and
**Heat Stroke cont.**
symptoms of heat stroke and to check for them anytime an employee collapses while working in a hot environment.

- The early symptoms of heat stroke include a high body temperature (103 degrees F); a distinct absence of sweating (usually); hot red or flushed dry skin; rapid pulse; difficulty breathing; constricted pupils; any/all the signs or symptoms of heat exhaustion such as dizziness, headache, nausea, vomiting, or confusion, but more severe; bizarre behavior; and high blood pressure. Advance symptoms may be seizure or convulsions, collapse, loss of consciousness, and a body temperature of over 108° F.

**First Aid Actions:** evaluate the symptoms and follow these actions:

- **Heat exhaustion:** Take the employee to the break room near the well for emergency cooling or CPR/first aid treatment. Have them lie down with their feet slightly elevated. Loosen their clothing, apply cool, wet cloths or fan them. Have them drink water or electrolyte drinks. Try to cool them down, and have them checked by medical personnel. Victims of heat exhaustion should avoid strenuous activity for at least a day, and they should continue to drink water to replace lost body fluids.

- **Heat stroke:** Call 911 and get an ambulance on the way as soon as possible. It is vital to lower a heat stroke victim's body temperature. Seconds count. Pour water on them, fan them, or apply cold packs.

**What an employee can do:** Employees can take other preventive measures to combat the heat. Know and react to symptoms of heat related health problems. Learn and use the following:

**Smart Safety Rules.**

- Drink plenty of fluids throughout the day.*
- Don’t drink alcohol or drinks with caffeine
- Don’t eat heavy meals before working in the heat. Eat light. The more calories you take in, the more body heat you produce.
- Don’t wear dark, tight fitting clothes
- Cover as much of your body as possible.
- Choose the proper type and amount of clothing. Cotton allows skin to breathe and absorbs sweat.
- Wide-brimmed hats protect from direct sunlight.

*Don’t depend on thirst to signal when and how much to drink. Instead, try to drink 5 to 7 ounces of fluids every 15 to 20 minutes.*
Date: _______________________________________________________________________
Location: ___________________________________________________________________
Topic: _______________________________________________________________________
Presented by: _______________________________________________________________________

Brief outline of discussion (or staple in training material):
_______________________________________________________________________
_______________________________________________________________________
_______________________________________________________________________

Employees in attendance (signatures):
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________
_____________________________________________________________________


Date: 
Location: 
Topic: 
Presented by: 

Brief outline of discussion (or staple in training material):

Employees in attendance (signatures):

_______________________________________________________________________
_______________________________________________________________________
_______________________________________________________________________

_______________________________________________________________________
_______________________________________________________________________
_______________________________________________________________________

_______________________________________________________________________
_______________________________________________________________________
_______________________________________________________________________

_______________________________________________________________________
_______________________________________________________________________
_______________________________________________________________________

_______________________________________________________________________
_______________________________________________________________________
_______________________________________________________________________

_______________________________________________________________________
_______________________________________________________________________
_______________________________________________________________________

_______________________________________________________________________
_______________________________________________________________________
_______________________________________________________________________

_______________________________________________________________________
_______________________________________________________________________
_______________________________________________________________________
Safe Behavior Observations
CONTINUAL BUT OPTIONAL (Not required)

Safe behavior observations are simple notes on how an employee is observed working. Work behavior is the key to eliminating accidents because it involves all aspects of equipment, job site terrain, weather, and human behavior and decisions.

Potential hazards should be identified for major job activities using supervisor and crew input. Write in how to avoid these hazards on the forms. Later, a supervisor or another employee should make observations and the results should be shared with the employee observed. Points of interest should also be shared at crew safety meetings.

The following Safe Behavior Observation forms are suggested for the following jobs or work sites:

- Chain saw operation (example attached)
- Shop area
- Skidder operation
- Loader operation and deck area
- Feller-buncher operation
- Haul truck operation
- Crawler tractor operation
- Chipper operation
Safe Behavior Observations
CONTINUAL BUT OPTIONAL (Not required)

Job: Chain Saw Operation (EXAMPLE)

Behavior
Inspect chain saw before use for proper chain tension, good repair, loose bolts and screws, levels of fuel and chain lubricant, filter condition and that all safety features work. Wear necessary personal protective gear. Start saw from a stable surface clear of debris and combustible material. Position body properly and pull starter rope after setting chain brake, turning on switch, and positioning choke. Once started, release trigger and be sure chain does not move in idle. Never carry saw unless chain brake is on or engine is off. Keep blade pointed to the rear when transporting. Inspect work area for hazards and plan an escape route before cutting. Never cut above shoulder level. Keep chain teeth sharp. Control the saw at all times with the thumb wrap around the top saw handle bar. Use open-faced cuts and back cuts to directionally fell trees. Limbing and topping must be done to prevent turning or rolling of logs. Take rest breaks when necessary.

<table>
<thead>
<tr>
<th>OBSERVATIONS (CHECK):</th>
<th>SAFE:</th>
<th>UNSAFE:</th>
<th>COMMENTS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Chain saw inspection</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Saw started properly</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Inspection of starting site and cutting area</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Proper carrying technique</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Inspection of work area</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Escape route planned</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Saw never used above shoulder level</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
8. Saw in control at all times

9. Proper open-faced cuts and back cuts

10. Logs stable when limping and topping

11. Adequate work breaks taken

Total Observations Safe: _________________________

Total Observations Unsafe: _________________________

% Safe Observations: _________________________

By: _________________________ Date: _________________________
Safe Behavior Observations
CONTINUAL BUT OPTIONAL (Not required)

Use as master—may be photocopied

Job:

Behavior:
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________
_________________________________________________________________

OBSERVATIONS (CHECK): SAFE: UNSAFE: COMMENTS:

1. ________________________________________________________________

2. ________________________________________________________________

3. ________________________________________________________________

4. ________________________________________________________________

5. ________________________________________________________________

6. __________________________________________________________________
7. __________________________________________________________

8. __________________________________________________________

9. __________________________________________________________

Total Observations Safe: __________________________

Total Observations Unsafe: __________________________

% Safe Observations: ________________________________

By: ____________________________ Date: ___________
An Emergency Action Plan (EAP) prescribes the procedures to be followed to minimize or prevent loss of life in the event of an emergency. An emergency action plan for a logging crew is especially important because access by emergency vehicles will be delayed by the remote locations and/or rough terrain of typical harvest sites.

- An EAP should address anticipated risks on a worksite. Examples of risks inherent to logging include severe weather, falling objects, accidents involving equipment and vehicles.
- Procedures should be developed to ensure the timely notification of all persons responsible for taking emergency actions. The procedures should be brief, simple, and easy to implement.
- An EAP should be tailored to site-specific conditions. It may be helpful to place the company/crew EAP in a loose-leaf binder so that outdated pages can be easily replaced with updated information to ensure a complete and workable plan.

The need for timely action in an emergency cannot be overemphasized. Good planning, practice, and continuous improvement are key elements in effective emergency response. Company or crew leadership should, at a minimum, consider the steps outlined in the following section when developing their EAP.

**EAP Development Steps**

A logging crew’s EAP should be tailored to their worksite and an EAP should be developed and organized in whatever format seems most useful for those involved. Regardless, the EAP should fully address the general content described below.

**Step 1.** Determine and identify those situations or triggering events likely to occur on the worksite that would initiate an emergency action. Specify the actions to be taken and by whom for each emergency scenario.

- Type of hazards to consider when developing an EAP could include lightning strike, equipment or forest fire, severe weather (wind, tornado, etc.), injuries from falling objects or projectiles, accidental bodily contact with log/load/equipment, and vehicular accidents.
• EAP should identify who is responsible for evaluating a weather-related risk (proactive) and onsite emergency response (reactive). Proactive decisions for weather related risks include determining when and how employees should seek safe shelter. Reactive emergency responses include taking responsibility for onsite medical monitoring or treatment, emergency personnel contact, and transportation coordination.

**Step 2.** Prepare emergency contact information for each county or region within your working areas. Prepare location/directions/maps for each worksite for emergency purposes. Identify all communication systems and protocols.

• The communications component of your EAP should address the availability of cellular service and, if applicable, the alternative channels of communication, including any special instructions.

• The EAP should include a notification chart clearly summarizing emergency responder contact information and any other persons that should be included in the notification process.

**Step 3.** Conduct crew meetings to review and comment on emergency action planning.

• The EAP should include a section for all employees to acknowledge their concurrence with the plan and their willingness/ability to participate in any specified emergency response roles assigned.

**Step 4.** Continually make necessary adjustments and/or revise EAP elements.

• Update emergency contact information for your work area(s).

• Conduct training exercises and critique the EAP afterwards.

• Promptly review EAP updates with employees.
The U.S. Occupational Safety and Health Administration (OSHA) has issued a final rule requiring employers to notify OSHA when an employee is killed on the job or suffers a work-related hospitalization, amputation or loss of an eye.

Under the revised severe injury rule, employers are required to notify OSHA of work-related fatalities within **eight hours (8)**, and work-related in-patient hospitalizations, amputations or losses of an eye within **twenty-four (24) hours**.

The rule updates the list of employers partially exempt from OSHA record-keeping requirements, effective on Jan. 1, 2015, for workplaces. The rule maintains the exemption for any employer with 10 or fewer employees, regardless of their industry classification, from the requirement to routinely keep records of worker injuries and illnesses. However, you must keep OSHA records if requested to do so in writing by the Bureau of Labor Statistics or by OSHA. In addition, you must report any fatality, in-patient hospitalization, amputation, or loss of an eye to OSHA, per 29 CFR 1904.39.

*All employers covered by the Occupational Safety and Health Act, even those exempt from maintaining injury and illness records, are required to comply with OSHA’s new severe injury and illness reporting requirements.* To assist employers, OSHA is developing a web portal for employers to report incidents electronically, in addition to the phone reporting options.
Disclaimer: The federal logging standard (29 CFR 1910.266) within this document may not be all-inclusive.

(b) SCOPE and APPLICATION:

(1) Standard establishes safety practices, means, methods, and operations for all types of logging regardless of end use of wood—pulpwood and timber harvesting, sawlogs, veneer bolts, poles, pilings and other forest products. Standard does not cover the construction or use of cable yarding system.

(2) Standard applies to all logging operations as defined by this section.

(3) Hazards and working conditions not specifically addressed by this section are covered by other applicable sections of Part 1910.

NOTE: N.C.G.S. 95-129 (1) General Duty Clause—may be applicable to serious conditions not covered by any of the specific standards of Part 1910.

(c) DEFINITIONS: placed at the end of this table due to formatting

(d) GENERAL REQUIREMENTS:

(1) Personal Protective Equipment

(i) The employer shall assure that personal protective equipment, including any such equipment provided by an employee, is maintained in a serviceable condition.

(ii) The employer shall assure that personal protective equipment is inspected before initial use during each work shift. Defects or damage shall be repaired, or the unserviceable equipment shall be replaced before work is commenced.

(iii) The employer shall provide, at no cost to the employee, and assure that each employee handling wire rope wears hand protection which provides adequate protection from puncture wounds, cuts and lacerations.

BEST PRACTICE: Leather or heavy duty puncture resistant gloves shall be worn by employees who handle wire rope.

(iv) The employer shall provide at no cost to the employee, and assure that each employee who operates a chain saw wears leg protection constructed with cut resistant material such as ballistic nylon or other leg protection the employer demonstrates provides equivalent protection. The leg protection shall cover the full length of the thigh to the top of the boot on each leg to protect against contact with a moving chain saw. Exception: This requirement does not apply when an employee is working as a climber if the employer demonstrates that a greater hazard is posed by wearing leg protection in the particular situation, or when an employee is working from a vehicular mounted elevating and rotating work platform meeting the requirements of 29 CFR 1910.68.

[Standard amended at 60 FR 47035, Sept. 8, 1995]

(v) The employer shall assure that each employee wears foot protection, such as heavy-duty boots that are waterproof or water repellant, cover and provide support to the ankle. The employer shall assure that each employee who operates a chain saw wears foot protection that is constructed with cut-resistant material which will protect the employee against contact with a running chain saw. Sharp, calk-soled boots or other slip resistant type boots may be worn where the employer demonstrates that they are necessary for the employee’s job, the terrain, the timber type, and the weather conditions, provided that foot protection otherwise required by this paragraph is met.

[Standard amended at 60 FR 47035, Sept. 8, 1995]

(vi) The employer shall provide, at no cost to the employee, and assure that each employee who works in an area where there is potential for head injury from falling or flying objects wears head protection meeting the requirements of Subpart I of Part 1910.
GENERAL REQUIREMENTS (continued):
(vii) The employer shall provide, at no cost to the employee, and assure that each employee wears the following:
(A) Eye protection meeting the requirements of Subpart I of Part 1910 where there is potential for eye injury due to falling or flying objects; and
(B) Face protection meeting the requirements of Subpart I of Part 1910 where there is potential for facial injury such as, but not limited to, operating a chipper. Logger-type mesh screens may be worn by employees performing chain saw operations and yarding.
(Note to paragraph (d) (i) (vii): The employee does not have to wear a separate eye protection device where face protection covering both the eyes and face is worn.)
[Standard amended at 60 FR 47035, Sept. 8, 1995]

(2) First-aid kits
(i) The employer shall provide first-aid kits at each worksite where trees are being cut (e.g., felling, bucking, limbing) at each active landing, and on each employee transport vehicle.
[Standard amended at 60 FR 47035, Sept. 8, 1995]
(ii) At a minimum, each first-aid kit shall contain the items listed in Appendix A at all times.

BEST PRACTICE: Fellers/Stumpers and other chain saw operators, working away from the landing shall be issued and carry a compact first-aid kit that contains supplies to control bleeding and infection. Other first-aid kits must comply with Appendix A.
(iii) The employer also may have the number and content of first-aid kits reviewed and approved annually by a health care provider. [Standard amended at 60 FR 47035, Sept. 8, 1995]
(iv) The employer shall maintain the contents of each first-aid kit in a serviceable manner.

(3) Seat belts
(i) through (vi) requires the employer to assure: seat belt be provided for each vehicle or machine operator; each employee uses the seat belt while the equipment is being operated; employee(s) securely and tightly fasten the seat belt; each machine seat belt meets the requirements of the Society of Automotive Engineers Standard SAE J386, June 1995; and seat belts are maintained in serviceable condition.

(4) Fire extinguishers
The employer shall provide and maintain portable fire extinguishers on each machine and vehicle in accordance with the requirements of Subpart L of Part 1910.

(5) Environmental conditions
All work shall terminate and each employee shall move to a place of safety when environmental conditions, such as but not limited to, electrical storms, strong winds which may affect the fall of a tree, heavy rain or snow, extreme cold, dense fog, fires, mudslides, and darkness, create a hazard for the employee in the performance of the job. [Standard amended at 60 FR 47035, Sept. 8, 1995]

(6) Work areas
(i) Employees shall be spaced and the duties of each employee organized so the actions of one employee not create a hazard for any other employee.
(ii) The distance between adjacent occupied work areas shall be at least two tree lengths of the trees being felled; on any slope where rolling or sliding trees or logs is reasonably foreseeable a distance of greater than two tree lengths shall be maintained.
(iii) Each employee performing a logging operation at a logging work site shall work in a position or location that is within visual or audible contact with another employee.
[Standard amended at 60 FR 47035, Sept. 8, 1995]
(iv) The employer shall account for each employee at the end of each work shift.

(7) Signaling and signal equipment
(i) Hand signals or audible contact, such as but not limited to, whistles, horns, or radios shall be
GENERAL REQUIREMENTS (continued):
utilized whenever noise, distance, restricted visibility, or other factors prevent clear
understanding of normal voice communication between employees.
(ii) Engine noise, such as from a chain saw, is not an acceptable means of signaling. Other
locally and regionally recognized signals may be used.
(iii) Only a designated person shall give signals, except in an emergency.
(ii) The employer shall notify the power company immediately if a felled tree makes contact with
any power line. Employees shall remain clear of the area until the power company advises that
there are no electrical hazards.

8) Overhead electric lines
(i) Logging operations near overhead electric lines shall be done in accordance with the
requirements of 26 CFR 1910.333(c)(3)

BEST PRACTICE: Recommended that a 100 ft. buffer be maintained during logging
operation near power lines. 100 ft. buffer will be measured from furthest reach of
implements or felled timber.
The employer shall notify the power company immediately if a felled tree makes contact with
any power line. Employees shall remain clear of the area until the power company advises that
there are no electrical hazards.

9) Flammable and combustible liquids
(i) Flammable and combustible liquids shall be stored, handled, transported and used in
accordance with the requirements of Subpart H of Part 1910.
(ii) Flammable and combustible liquids shall not be transported in the driver compartment or in
any passenger occupied area of a machine or vehicle.
(iii) Each machine, vehicle and portable powered tool shall be shut off during fueling. Diesel
powered machines and vehicles may be fueled while they are at idle, provided that continued
operation is intended and that the employer follows safe fueling and operating procedures.
[Standard amended at 60 FR 47035, Sept. 8, 1995]
(iv) Flammable and combustible liquids, including chain-saw and diesel fuel may be used to
start a fire, provided the employer assures that in the particular situation its use does not create
a hazard for an employee. [Standard amended at 60 FR 47035, Sept. 8, 1995]

10) Explosives and blasting agents
(i) Explosives and blasting agents shall be stored, handled, transported, and used in
accordance with the requirements of Subpart H of Part 1910. (ii) Only a designated person
shall handle or use explosives or blasting agents. (iii) Explosives and blasting agents shall not
be transported in the driver compartment or in any passenger occupied area of a machine or
vehicle.

(e) Hand and Portable Powered Tools

1) General Requirements
(i) Employer shall assure that each hand and portable powered tool, including any provided by
an employee, is maintained in serviceable condition.
(ii) Employer shall assure that each tool, including any tool provided by an employee, is
inspected prior to initial use during each work shift. At a minimum, the inspection shall include
the following:
(A) Handles and guards, to assure that they are tight-fitting, properly shaped, free of splinters
and sharp edges, and in place;
(B) Controls, to assure proper function;
(C) Chain-saw chains, to assure proper adjustment;
(D) Chain-saw mufflers, to assure that they are in place and operable;
(E) Chain brakes and nose shielding devices, to assure that they are in place and function
properly;
(F) Heads of shock, impact-driven and driving tools, to assure that there is no mushrooming;
(G) Cutting edges, to assure that they are sharp and properly shaped; and (H) All other safety
**Hand and Portable Powered Tools (continued):**
devices, to assure that they are in place and function properly.

(iii) The employer shall assure that each tool is used only for purposes for which it has been designed.
(iv) When the head of any shock, impact-driven or driving tool begins to chip, it shall be repaired or removed from service.
(v) The cutting edge of each tool shall be sharpened in accordance with manufacturer's specifications whenever it becomes dull during the workshift.
(vi) Each tool shall be stored in the provided location when not being used at a work site.
(vii) Racks, boxes, holsters or other means shall be provided, arranged and used for the transportation of tools so that a hazard is not created for any vehicle operator or passenger.

(2) Chain Saws
(i) Each chain saw placed into initial service after the effective date of this section shall be equipped with a chain brake and shall otherwise meet the requirements of the ANSI B173.1-1991 "Safety Requirements for Gasoline—Powered Chain Saws." Each chain saw placed into service before the effective date of this section shall be equipped with a protective device that minimizes chain saw kickback. No chain saw kickback device shall be removed or otherwise disabled.
(ii) Each gasoline powered chain saw shall be equipped with a continuous pressure throttle control system which will stop the chain when pressure on the throttle is released.
(iii) The chain saw shall be operated and adjusted in accordance with the manufacturer's instructions.
(iv) The chain saw shall be fueled at least 10 feet (3 m) from any open flame or other source of ignition. [Standard amended at 60 FR 47036, Sept. 8, 1995]
(v) The chain saw shall be started at least 10 feet (3 m) from the fueling area.
(vi) The chain saw shall be started on the ground or where otherwise firmly supported. Drop starting a chain saw is prohibited.
(vii) The chain saw shall be started with the chain brake engaged.
(viii) The chain saw shall be held with the thumbs and fingers of both hands encircling the handles during operation unless the employer demonstrates that a greater hazard is posed by keeping both hands on the chain saw in that particular situation.
(ix) Chain saw operators shall be certain of footing before starting to cut. The chain saw shall not be used in a position or at a distance that could cause the operator to become off balance, to have insecure footing, or to relinquish a firm grip on the saw.
(x) Prior to felling any tree, the chain saw operator shall clear away brush or other potential obstacles which might interfere with cutting the tree or using the retreat path.
(xi) Chain saw shall not be used to cut directly overhead.

**BEST PRACTICE: Overhead means any operation conducted above shoulder height.**

(xii) The chain saw shall be carried in a manner that will prevent operator contact with the cutting chain and muffler.
(xiii) The chain saw shall be shut off or the throttle released before the feller starts his retreat.
(xiv) Chain saw shall be shut down or the chain brake shall be engaged whenever the saw is carried further than 50 feet (15.2 m). The chain saw shall be shut down or the chain brake engaged when the chain saw is carried less than 50 feet if conditions such as terrain, underbrush and slippery surfaces, may create a hazard.

(f) Machines

(1) General Requirements
(i) Employer shall assure that each machine, including any machine provided by an employee, is maintained in serviceable condition.
(ii) The employer shall assure that each machine, including any machine provided by an employee, is inspected before initial use during each workshift. Defects or damage shall be repaired or the unserviceable machine shall be replaced before work is commenced.
(iii) Employer shall assure that operating and maintenance instructions are available on the
Machines (continued):

machine or in the area where the machine is being operated. Each machine operator and maintenance employee shall comply with the operating and maintenance instructions.

(2) Machine Operations
(i) The machine shall be started and operated only by a designated person
(ii) Stationary logging machines and their components shall be anchored or otherwise stabilized to prevent movement during operation.
(iii) The rated capacity of machine(s) shall not be exceeded.
(iv) To maintain stability, the machine must be operated within the limitations imposed by the manufacturer as described in the operating and maintenance instructions for that machine.
(v) Before starting or moving any machine, the operator shall determine that no employee is in the path of the machine.
(vi) The machine shall be operated only from the operator’s station or as otherwise recommended by the manufacturer.
(vii) The machine shall be operated at such a distance from employees and other machines such that operation will not create a hazard for an employee.
(viii) No employee other than the operator shall ride on any mobile machine unless seating, seat belts, and other protection equivalent to that provided for the operator are provided.
(ix) No employee shall ride on any load.
(x) Before the operator leaves the operator’s station of a machine, it shall be secured as follows:
   (A) The parking brake or brake locks shall be applied.
   (B) The transmission shall be placed in the manufacturer’s specified park position; and
   (C) Each moving element such as, but not limited to blades, buckets, saws and shears, shall be lowered to the ground or otherwise secured

BEST PRACTICE: Grapples must also be lowered.

(xi) If a hydraulic or pneumatic storage device can move the moving elements such as, but not limited to, blades, buckets, saws and shears, after the machine is shut down, the pressure or stored energy from the element shall be discharged as specified by the manufacturer.
(xii) The rated capacity of any vehicle transporting a machine shall not be exceeded.
(xiii) The machine shall be loaded, secured and unloaded so that it will not create a hazard for any employee.

(3) Protective Structures
(i) Each tractor, skidder, swing yarder, log stacker, log loader and mechanical felling device such as tree shears or feller-buncher placed into initial service after February 9, 1995, shall be equipped with falling object protective structure (FOPS) and/or rollover protective structure (ROPS). The employer shall replace FOPS or ROPS which have been removed from any machine. Exception: This requirement does not apply to machines which are capable of 360 degree rotation.
   [Amended at 60 FR 47036, Sept. 8, 1995]
(ii) (A) ROPS shall be tested, installed, and maintained in serviceable condition. (B) Each machine manufacturer after August 1, 1996, shall have ROPS tested, installed, and maintained in accordance with Society of Automotive Engineers SAE J1040, April 1988, “Performance Criteria for Rollover Protective Structure (ROPS) for Construction, Earthmoving, Forestry, and Mining Machines.”
   [Amended at 60 FR 47036, Sept. 8, 1995]
(iii) FOPS shall be installed, tested and maintained in accordance with the Society of Automotive Engineers SAEJ231, January 1981, “Minimum Performance Criteria for Falling Object Protective Structures (FOPS).”
   (iv) ROPS and FOPS shall meet the requirements of the Society of Automotive Engineers SAE J397, April 1988, “Deflection Limiting Volume—ROPS/FOPS Laboratory Evaluation.”
   (v) Each protective structure shall be of a size that does not impede the operator’s normal movement.
   (vi) The overhead covering of each cab shall be of solid material and shall extend over the entire canopy.
   (vii) Each machine manufactured after August 1, 1996, shall have a cab that is fully enclosed with
**Machines (continued):**

mesh material with openings no greater than 2 inches (5.08 cm) at its least dimension. The cab may be enclosed with other material(s) where the employer demonstrates such material provides equivalent protection and visibility. 

Exception: Equivalent visibility is not required for the lower portion of the cab where there are control panels or similar obstructions in the cab, or where visibility is not necessary for safe operation of the machine. [Amended at 60 FR 47036, Sept. 8, 1995]

**BEST PRACTICE: Doors of open mesh metal, or equivalent material, shall be installed on the cab of machines to prevent saplings, branches, broken poles, etc., from entering entrances of the cab.**

(viii) Each machine manufactured on or before August 1, 1996, shall have a cab which meets the requirements specified in paragraph (f)(3)(vii) or a protective canopy for the operator which meets the following requirements. (A) The protective canopy shall be constructed to protect the operator from injury due to falling trees, limbs, saplings or branches which might enter the compartment side areas and from snapping winch lines or other objects; (B) The lower portion of the cab shall be fully enclosed with solid material, except at entrances, to prevent the operator from being injured from obstacles entering the cab; (C) The upper rear portion of the cab shall be fully enclosed with open mesh material with openings of such size as to reject the entrance of an object larger than 2 inches in diameter. It shall provide maximum rearward visibility; and (D) Open mesh shall be extended forward as far as possible from the rear corners of the cab sides so as to give the maximum protection against obstacles, branches, etc., entering the cab

(ix) The enclosure of the upper portion of each cab shall allow maximum visibility

(x) When transparent material is used to enclose the upper portion of the cab, it shall be made of safety glass or other material that the employer demonstrates provides equivalent protection and visibility

(xi) Transparent material shall be kept clean to assure operator visibility

(xii) Transparent material that may create a hazard for the operator, such as but not limited to, cracked, broken or scratched safety glass, shall be replaced.

(xiii) Deflectors shall be installed in front of each cab to deflect whipping saplings and branches. Deflectors shall be located so as not to impede visibility and access to the cab.

(xiv) The height of each cab entrance shall be at least 52 inches (1.3 m) from the floor of the cab.

(xv) Each machine operated near cable yarding operations shall be equipped with sheds or roofs of sufficient strength to provide protection from breaking lines.

(4) Overhead Guards

Each forklift shall be equipped with an overhead guard meeting the requirements of the American Society of Mechanical Engineers, ASME B56.6-1992 (with addenda), “Safety Standard for Rough Terrain Forklift Trucks.”

(5) Machine Access

(i) Machine access systems meeting the specifications of the Society of Automotive Engineers, SAEJ185, June 1988, “Recommended Practice for Access Systems for Off-Road Machines,” shall be provided for each machine where the operator must climb onto the machine to enter the cab or to perform maintenance.

(ii) Each machine cab shall have a second means of egress.

(iii) Walking and working surfaces of each machine and machine work station shall have a slip-resistant surface to assure safe footing.

(iv) The walking and working surface of each machine shall be kept free of waste, debris and any other material which might result in fire, slipping, or falling.

(6) Exhaust Systems

(i) The exhaust pipes on each machine shall be located so exhaust gases are directed away from the operator.

(ii) Exhaust pipes on each machine shall be mounted or guarded to protect each employee from accidental contact.
Machines (continued):
(iii) The exhaust pipes shall be equipped with spark arresters. Engines equipped with turbochargers do not require spark arresters.
(iv) Each machine muffler provided by the manufacturer, or their equivalent, shall be in place at all times the machine is in operation.

(7) Brakes
(i) Service brakes shall be sufficient to stop and hold each machine and its rated load capacity on the slopes over which it is being operated.
(ii) Each machine placed into initial service after September 8, 1995, shall also be equipped with: backup or secondary brakes that are capable of stopping the machine regardless of the direction of travel or whether the engine is running; and parking brakes that are capable of continuously holding a stopped machine stationary.

(8) Guarding
(i) Each machine shall be equipped with guarding to protect employees from exposed moving elements, such as but not limited to, shafts, pulleys, belts on conveyors, and gears, in accordance with the requirements of subpart O of Part 1910.
(ii) Each machine used for debarking, limbing and chipping shall be equipped with guarding to protect employees from flying wood chunks, logs, chips, bark, limbs and other material in accordance with the requirements of subpart O of Part 1910.
(iii) The guarding on each machine shall be in place at all times the machine is in operation.

(g) Vehicles
(1) The employer shall assure that each vehicle used to perform any logging operation is maintained in serviceable condition.
(2) The employer shall assure that each vehicle used to perform any logging operation is inspected before initial use during each work shift. Defects or damage shall be repaired or the unserviceable vehicle shall be replaced before work is commenced.
(3) The employer shall assure that operating and maintenance instructions are available in each vehicle. Each vehicle operator and maintenance employee shall comply with the operating and maintenance instructions.
(4) The employer shall assure that each vehicle operator has a valid operator’s license for the class of vehicle being operated.
(5) Mounting steps and handholds shall be provided for each vehicle wherever it is necessary to prevent an employee from being injured when entering or leaving the vehicle.
(6) The seats of each vehicle shall be securely fastened.
(7) The requirements of (f)(2)(iii), (f)(2)(v), (f)(2)(vii), (f)(2)(x),(f)(2)(xiii), and (f)(7) of this section shall also apply to each vehicle used to transport any employee off public roads or to perform any logging operation, including any vehicle provided by an employee.

(h) Tree Harvesting
(1) General Requirements
(i) Trees shall not be felled in a manner that will create a hazard for an employee, such as but not limited to, striking a rope, cable, power line, or machine.
(ii) The immediate supervisor shall be consulted when unfamiliar or unusual hazardous conditions necessitate the supervisor’s approval before cutting is commenced.
(iii) While manual felling is in progress, no yarding machine shall be operated within two tree lengths of trees being manually felled. Exception: This provision does not apply to yarding machines performing tree pulling operations.
(iv) No employee shall approach a feller closer than two tree lengths of the trees being felled until the feller has acknowledged that it is safe to do so, unless the employer demonstrates that a team of employees is necessary to manually fell a particular tree.
(v) No employee shall approach a mechanical felling operation closer than two tree lengths of the trees being felled until the machine operator has acknowledged that it is safe to do so.
(vi) Each danger tree shall be felled, removed or avoided. Each danger tree, including lodged trees and snags, shall be felled or removed using mechanical or other techniques that minimize
Tree Harvesting (continued):

employee exposure before work is commenced in the area of the danger tree. If the danger tree is not felled or removed, it shall be marked and no work shall be conducted within two tree lengths of the danger tree unless the employer demonstrates that a shorter distance will not create a hazard for an employee.

(vii) Each danger tree shall be carefully checked for signs of loose bark, broken branches and limbs or other damage before they are felled or removed. Accessible loose bark and other damages that may create a hazard for an employee shall be removed or held in place before felling or removing the tree.

(viii) Felling on any slope where rolling or sliding of trees or logs is reasonably foreseeable shall be done uphill from, or on the same level as, previously felled trees.

(ix) Domino felling of trees is prohibited.

BEST PRACTICE: A single tree with another pusher tree is also prohibited.

(2) Manual felling

(i) Before felling is started, the feller shall plan and clear a retreat path. The retreat path shall extend diagonally away from the expected felling line unless the employer demonstrates that such a retreat path poses a greater hazard than an alternate path. Once the backcut has been made the feller shall immediately move a safe distance away from the tree on the retreat path.

(ii) Before each tree is felled, conditions such as but not limited to, snow and ice accumulation, the wind, the lean of the tree, dead limbs, and the location of other trees, shall be evaluated by the feller and precautions taken so a hazard is not created for an employee.

(iii) Each tree shall be checked for accumulation of snow and ice. Accumulations of snow and ice that may create a hazard for an employee shall be removed, before felling is commenced in the area or the area shall be avoided.

(iv) When a spring pole or other tree under stress is cut, no employee other than the feller shall be closer than two tree lengths when the stress is released.

(v) An undercut shall be made in each tree being felled unless the employer demonstrates that felling the particular tree without an undercut will not create a hazard for an employee. The undercut shall be of a size so the tree will not split and will fall in the intended direction.

(vi) A backcut shall be made in each tree being felled. The backcut shall sufficient hinge to hold the tree to the stump during most of its fall so that the hinge is able to guide the tree’s fall in the intended direction.

BEST PRACTICE: Flat or swing cutting is not allowed.

(vii) The backcut shall be above the level of the horizontal face cut in order to provide an adequate platform to prevent kickback. Exception: The backcut may be at or below the horizontal face cut in tree pulling operations.

(3) Bucking and limbing

(i) Bucking and limbing on any slope where rolling or sliding of trees or logs is reasonably foreseeable shall be done on the uphill side of each tree.

(ii) Before bucking or limbing wind-thrown trees, precautions shall be taken to prevent the root wad, butt or logs from striking an employee. These precautions include, but are not limited to, chocking or moving the tree to a stable position.

(4) Chipping

(in woods locations) (i) Chipper access covers or doors shall not be opened until the drum or disc is at a complete stop.

(ii) Infeed and discharge ports shall be guarded to prevent contact with the discs, knives, or blower blades.

(iii) The chipper shall be shut down and locked out in accordance with the requirements of 1910.147 when an employee performs any servicing or maintenance.

(iv) Detached trailer chippers shall be chocked during usage on any slope where rolling or sliding of the chipper is reasonably foreseeable.
Tree Harvesting (continued):
(5) Yarding
(i) No log shall be moved until each employee is in the clear.
(ii) Each choker shall be hooked and unhooked from the uphill side or end of the log, unless the employer demonstrates that it is not feasible in the particular situation to hook or unhook the choker from the uphill side. Where the choker is hooked or unhooked from the downhill side or end of the log, the log shall be securely chocked to prevent rolling, sliding or swinging.
(iii) Each choker shall be positioned near the end of the log or tree length.
(iv) Each machine shall be positioned during winching so the machine and winch are operated within their designed limits.
(v) No yarding line shall be moved unless the yarder operator has clearly received and understood the signal to do so. When in doubt, the yarder operator shall repeat the signal as it is and wait for a confirming signal before moving any line.
(vi) No load shall exceed the rated capacity of the pallet, trailer, or other carrier.
(vii) Towed equipment, such as but not limited to, skid pans, pallets, arches, and trailers shall be attached to each machine or vehicle in such a manner as to allow a full 90 degree turn; to prevent overrunning of the towing machine or vehicle; and to assure that the operator is always in control of the towed equipment.
(viii) The yarding machine or vehicle, including its load, shall be operated with safe clearance from all obstructions that may create a hazard for an employee.
(ix) Each yarded tree shall be placed in a location that does not create a hazard for an employee and in an orderly manner so that the trees are stable before bucking or limbing is commenced.

(6) Loading and unloading
(i) The transport vehicle shall be positioned to provide working clearance between the vehicle and the deck.
(ii) Only the loading or unloading machine operator and other personnel the employer demonstrates are essential shall be in the loading or unloading work area during this operation.
(iii) No transport vehicle operator shall remain in the cab during loading and unloading if the logs are carried or moved over the truck cab, unless the employer demonstrates that it is necessary for the operator to do so. Where the transport vehicle operator remains in the cab, the employer shall provide operator protection, such as but not limited to, reinforcement of the cab.
(iv) Each log shall be placed on a transport vehicle in an orderly manner and tightly secured.
(v) The load shall be positioned to prevent slippage or loss during handling and transport.
(vi) Each stake and chock which is used to trip loads shall be so constructed that the tripping mechanism is activated on the side opposite the release of the load.
(vii) Each tie down shall be left in place over the peak log to secure all logs until the unloading lines or other protection the employer demonstrates is equivalent has been put in place. A stake of sufficient strength to withstand the shifting or moving logs shall be considered equivalent protection, provided that the logs are not loaded higher than the stake.
(viii) Each tie down shall be released only from the side on which the unloading machine operates, except as follows:
   (A) When the tie down is released by a remote control device; and
   (B) When the employee making the release is protected by racks, stanchions or other protection the employer demonstrates is capable of withstanding the force of the logs.

(7) Transport
The transport vehicle operator shall assure that each tie down is tight before transporting the load. While en route, the operator shall check and tighten the tie downs whenever there is reason to believe that the tie downs have loosened or the load has shifted.

(8) Storage
Each deck shall be constructed and located so that it is stable and provides each employee with enough room to safely move and work in the area.
(I) Training

(1) The employer shall provide training for each employee, including supervisors, at no cost to the employee.

(2) Frequency of training shall be provided as follows:
(i) As soon as possible, but not later than the effective date of this section, for initial training for each current and new employee.
(ii) Prior to initial assignment for each new employee.
(iii) Whenever the employee is assigned a new work task, tools, equipment, machines or vehicles; and
(iv) Whenever an employee demonstrates unsafe job performance.

(3) Content
At a minimum, training shall consist of the following elements:
(i) Safe performance of assigned work task.
(ii) Safe use, operation and maintenance of tools, machines and vehicles the employee uses or operates, including emphasis on understanding and following the manufacturer’s operating and maintenance instructions, warnings and precautions.
(iii) Recognition of safety and health hazards associated with the employee’s specific work task including the use of measures and work practices to prevent or control those hazards.
(iv) Recognition, prevention and control of other safety and health hazards in the logging industry.
(v) Procedures, practices and requirements of the employer’s work site; and
(vi) the requirements of this standard.

(4) Training of an employee due to unsafe job performance, or assignment of new work tasks, tools, equipment, machines, or vehicles; may be limited to those elements in paragraph (I)(3) of this section which are relevant to the circumstances giving rise to the need for training.

(5) Portability of Training
(i) Each current employee who has received training in the particular elements specified in paragraph (I)(3) of this section shall not be required to be retrained in those elements.
(ii) Each new employee who has received training in the particular elements specified in paragraph (I)(3) of this section shall not be required to be retrained in those elements prior to initial assignment.
(iii) The employer shall train each current and new employee in those elements for which the employee has not received training.
(iv) The employer is responsible for ensuring that each current and new employee can properly and safety perform the work tasks and operate the tools, equipment, machines, and vehicles used in their job.

(6) Each new employee and each employee who is required to be trained as a specific (I)(2) of this section, shall work under the close supervision of a designated person until the employee demonstrates to the employer the ability to safety perform their new duties independently.

(7) First-aid training
(i) The employer shall assure that each employee, including supervisors, receives or has received first-aid and CPR training meeting at least the requirements specified in Appendix B.
(ii) The employer shall assure that each employee’s first-aid and CPR training and/or certificate of training remain current.

(8) All training shall be conducted by a designated person.

(9) The employer shall assure that all training required by this section is presented in a manner that the employee is able to understand. The employer shall assure that all training materials used are appropriate in content and vocabulary to the educational level, literacy, and language skills of the employees being trained.
Training (cont.):

(10) Certification of training
(i) The employer shall verify compliance with paragraph (i) of this section by preparing a written certification record. The written certification shall contain the name or other identity of the employee trained, the date(s) of the training, and the signature of the person who conducted the training or the signature of the employer. If the employer relies on training conducted prior to the employee’s hiring or completed prior to the effective date of this section, the certification record shall indicate the date the employer determined the prior training was adequate.
(ii) The most recent training certificate shall be maintained.

(11) Safety and health meetings
The employer shall hold safety and health meetings as necessary and at least each month for each employee. Safety and health meetings may be conducted individually, in crew meetings, in larger groups, or as part of other staff meetings.
Appendices A and B of this section are mandatory. The information contained in Appendix C of 1910.266 is non-mandatory and is not included in this booklet.

Appendix A to 1910.266—First-Aid Kits (Mandatory)
The following list sets forth the minimally acceptable number and type of first-aid supplies for first-aid kits required under paragraph (d)(2) of the logging standard. The contents of the first-aid kit listed should be adequate for small work sites, consisting of approximately two to three employees. When larger operations or multiple operations are being conducted at the same location, additional first-aid kits should be provided at the work site or additional quantities of supplies should be included in the first-aid kits:

1. Gauze pads (at least 4 x 4 inches).
2. Two large gauze pads (at least 8 x 10 inches)
3. Box adhesive bandages (band-aids)
4. One package gauze roller bandage at least 2 inches wide
5. Two triangular bandages
6. Wound cleaning agent such as sealed moistened towelettes.
7. Scissors
8. At least one blanket
9. Tweezers
10. Adhesive tape
11. Latex gloves
12. Resuscitation equipment such as resuscitation bag, airway, or pocket mask
13. Two elastic wraps
14. Splint
15. Directions for requesting emergency assistance

Appendix B to 1910.266—First-aid and CPR Training (Mandatory)
The following is deemed to be the minimal acceptable first-aid and CPR training program for employees engaged in logging activities. First-aid and CPR training shall be conducted using the conventional methods of training such as lecture, demonstration, practical exercise and examination (both written and practical). The length of training must be sufficient to assure that trainees understand the concepts of first aid and can demonstrate their ability to perform the various procedures contained in the outline below. At a minimum, first-aid and CPR training shall consist of the following:

1. The definition of first-aid
2. Legal issues of applying first aid (Good Samaritan Laws)
3. Basic anatomy
4. Patient assessment and first-aid for the following:
   a. Respiratory arrest
   b. Cardiac arrest
   c. Hemorrhage
   d. Lacerations/abrasions
   e. Amputations
   f. Musculoskeletal injuries
   g. Shock
   h. Eye injuries
   i. Burns
   j. Loss of consciousness
   k. Extreme temperature exposure (hypothermia/hyperthermia)
l. Paralysis
m. Poisoning
n. Loss of mental functioning (psychosis/hallucinations, etc.)
o. Artificial ventilation
p. Drug overdose
q. CPR
r. Application of dressings and slings
s. Treatment of strains, sprains, and fractures
t. Immobilization of injured persons
u. Handling and transporting injured persons
v. Treatment of bites, stings, or contact with poisonous plants or animals

Appendix C to 1910.266—Comparable ISO Standards (Non-mandatory)
The International Labor Organization (ISO) standards listed in Appendix C are comparable to the corresponding Society of Automotive Engineers (Standards that are referenced in 1910.266). Utilization of the ISO standards in lieu of the corresponding SAE standards should result in a machine that meets the OSHA standard.

Appendix D—Definitions

1910.266(c) definitions
1. This standard establishes safety practices, means, methods and operations for all types of logging, regardless of the end use of the wood. These types of logging include, but are not limited to, pulpwood and timber harvesting and the logging of sawlogs, veneer bolts, poles, pilings and other forest products. This standard does not cover the construction or use of cable yarding systems.
2. This standard applies to all logging operations as defined by this section.
3. Hazards and working conditions not specifically addressed by this section are covered by other applicable sections of Part 1910.
4. Definitions applicable to this section.

Arch—An open-framed trailer or built-up framework used to suspend the leading ends of trees or logs when they are skidded.

Backcut (felling cut)—The final cut in a felling operation.

Ballistic nylon—A nylon fabric of high tensile properties designed to provide protection from lacerations.

Barber-chair: Vertical split of a tree during the falling procedure. Generally a result of improper facing and/or backcutting. Characterized by a portion of the fallen tree being left on the stump. (from forestry.about.com/library/glossary/bllogglb.htm)

Buck—To cut a felled tree into logs.

Butt—The bottom of the felled part of a tree.

Bypass: Situation created when the two cuts of the undercut (free cut) do not meet exactly, i.e. one bypasses the other. Creates undesirable results such as barber chairing, cracked tree butts, excessive fiber pull and misdirected fall of the tree. (from forestry.about.com/library/glossary/bllogglb.htm)
Cable yarding—The movement of felled trees or logs from the area where they are felled to the landing on a system composed of a cable suspended from spars and/or towers. The trees or logs may be either dragged across the ground on the cable or carried while suspended from the cable.

Chock—A block, often wedge shaped, which is used to prevent movement; e.g., a log from rolling, a wheel from turning.

Choker—A sling used to encircle the end of a log for yarding. One end is passed around the load, then through a loop eye, end fitting or other device at the other end of the sling. The end that passed through the end fitting or other device is then hooked to the lifting or pulling machine.

Danger tree—A standing tree that presents a hazard to employees due to conditions such as, but not limited to, deterioration or physical damage to the root system, trunk, stem or limbs, and the direction and lean of the tree.

Debark—To remove bark from trees or logs.

Deck—A stack of trees or logs.

Designated person—An employee who has the requisite knowledge, training and experience to perform specific duties.

Domino felling—The partial cutting of multiple trees which are left standing and then pushed over with a pusher tree.

Fell (fall)—To cut down trees.

Feller (faller)—An employee who fells trees.

Grounded—The placement of a component of a machine on the ground or on a device where it is firmly supported.

Guarded—Covered, shielded, fenced, enclosed, or otherwise protected by means of suitable enclosures, covers, casings, shields, troughs, railings, screens, mats, or platforms, or by location, to prevent injury.

Health care provider—A health care practitioner operating within the scope of his/her license, certificate, registration or legally authorized practice.

Landing—Any place where logs are laid after being yarded, and before transport from the work site.

Limbing—To cut branches off felled trees.

Lodged tree (hung tree)—A tree leaning against another tree or object which prevents it from falling to the ground.

Log—A segment sawed or split from a felled tree, such as, but not limited to, a section, bolt, or tree length.
Logging operations—Operations associated with felling and moving trees and logs from the stump to the point of delivery, such as, but not limited to, marking, felling, bucking, limbing, debarking, chipping, yarding, loading, unloading, storing, and transporting machines, equipment and personnel from one site to another.

Machine—A piece of stationary or mobile equipment having self-contained powerplant, that is operated off-road and used for the movement of material. Machines include but are not limited to tractors, skidders, front-end loaders, scrapers, graders, bulldozers, swing yarders, log sackers and mechanical felling devices, such as tree shears and feller-bunchers.

Rated capacity—The maximum load a system, vehicle, machine or piece of equipment was designed by the manufacturer to handle.

Root wad—The ball of a tree root and dirt that is pulled from the ground when a tree is uprooted.

Serviceable condition—A state or ability of a tool, machine, vehicle or other device to operate as it was intended by the manufacturer.

Skidding—The yarding of trees or logs by pulling or towing them across the ground.

Slope (grade)—The increase or decrease in altitude over a horizontal distance expressed as a percentage. For example, a change of altitude of 20 feet (6 m) over a horizontal distance of 100 feet (30 m) is expressed as a 20 percent slope.

Snag—Any standing dead tree or portion thereof.

Spring pole—A tree, segment of a tree, limb, or sapling which is under stress or tension due to the pressure or weight of another object.

Tie down—Chain, cable, steel strips or fiber webbing and binders attached to a truck, trailer or other conveyance as a means to secure loads and to prevent them from shifting or moving when they are being transported.

Undercut—A notch cut in a tree to guide the direction of the tree fall and to prevent splitting or kickback.

Vehicle—A car, bus, truck, trailer or semi-trailer that is used for transportation of employees or movement of material.

Winching—The winding of cable or rope onto a spool or drum.

Yarding—The movement of logs from the place they are felled to a landing.

Appendix E
CPL 02-01-019 (CPL 2-1.19) Logging Operations, Inspection Procedures and Interpretive Guidance can be found at: www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=DIRECTIVES&p_id=1525
Georgia Tech’s OSHA 21D Consultation Program provides a free, confidential, on-site consultation service for small companies (fewer than 250 employees in Georgia and not more than 500 employees corporate wide) that need assistance in occupational safety and health. Employers have the option to choose several different types of assistance.

- Consultative assistance is free and at no cost to your company
- Consultation services are completely confidential
- The consultation program will not fine your company
- The consultation staff will come to you and perform an onsite inspection

For all types of assistance, the Georgia Tech consultant must use the same identification and classification procedures as an OSHA compliance officer would. The employer must agree beforehand to correct all serious hazards identified by the consultant and provide written verification of the actions taken to correct serious hazards within a reasonable time-frame, usually four to six weeks.

For information about the OSHA 21D Consultation Program, contact Sarah Cooper at 404-407-7431 or by email at sarah.cooper@gtri.gatech.edu.
## Agency Contact Info

<table>
<thead>
<tr>
<th>Service</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Spill Reporting (Georgia EPD)</td>
<td>800-241-4113</td>
</tr>
<tr>
<td>Emergency Spill Reporting (Federal)</td>
<td>800-424-8802</td>
</tr>
<tr>
<td>Non-Emergency Spill Questions (EPD)</td>
<td>770-387-4900</td>
</tr>
<tr>
<td>BMPs and Fires (GFC)</td>
<td>800-428-7337</td>
</tr>
<tr>
<td>Underground Utilities</td>
<td>811 or 800-282-7411</td>
</tr>
<tr>
<td>Accidents (OSHA)</td>
<td>800-321-6742</td>
</tr>
<tr>
<td>Rail Crossings Help (CSX)</td>
<td>800-232-0144</td>
</tr>
<tr>
<td>Rail Crossings Help (Norfolk Southern)</td>
<td>800-453-2530</td>
</tr>
<tr>
<td>GA Department of Public Safety (Trucking)</td>
<td>404-624-7211</td>
</tr>
</tbody>
</table>

**Your Company's Insurance Agent**

- ________________________________
- ________________________________
- ________________________________
- ________________________________

**Other Important Numbers**

- ________________________________
- ________________________________
- ________________________________
- ________________________________

63
Emergency Responder Contact Info

Rescue squad phone number(s):

Area____________________ Phone________________________
Area____________________ Phone________________________
Area____________________ Phone________________________
Area____________________ Phone________________________
Area____________________ Phone________________________
Area____________________ Phone________________________

Hospital(s):

City/County ________________ Phone________________________
City/County ________________ Phone________________________
City/County ________________ Phone________________________
City/County ________________ Phone________________________
City/County ________________ Phone________________________

Other:

________________________ Phone________________________
________________________ Phone________________________
________________________ Phone________________________
________________________ Phone________________________
Emergency Response Site Directions

Crew #/name:
Tract name:
GPS coordinates:

Latitude:________ Longitude: __________

Directions to current Jobsite:

Sketch of nearby roads leading to hospitals (new for each logging site, attach map if needed):

Nearest helicopter landing area and list of nearby landmarks visible to pilot if evacuation is required:
The Georgia Master Timber Harvester Program is committed to working closely with public and private partners to promote a full and complete understanding of regulations that impact logging operations.

Persons using this booklet who have suggestions for improvement or clarification are encouraged to contact the GA-MTH program by calling 706-542-7691 or emailing gamth@uga.edu.

Digital copies of this booklet are publicly available at: gamth.org/resources