



Arborist

Apprenticeship

Training Guidelines

Prepared by the
Bureau of Apprenticeship Standards
and the
State Arborist Apprenticeship Advisory Committee

DETA-17946-P (N. 02/2016)



Apprentice: _____

Employer: _____

Assessor(s): _____

Date: _____



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Industry drives registered apprenticeship.

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How to Use This Book

Preface

The Arborist registered apprenticeship program uses the hybrid model of apprenticeship, which requires the Apprentice complete time and competency requirements for each work process.

This book was developed for the Apprentice and Employer to record the Apprentice's progress in meeting the competency requirements. Its use and preservation are the responsibility of both parties.

This book is aligned with the Exhibit A of the Apprentice Contract as follows:

1. The competencies in this book are identical to the work processes in the Exhibit A.
2. The tasks in this book are identical to the tasks in the Exhibit A.
3. The steps in this book are not included in the Exhibit A. They appear in this book only.

The Employer must train the Apprentice in all competencies by training the Apprentice in as many tasks and steps as are available to the Employer.

The Employer may add tasks and steps not included in the book, or substitute comparable tasks and steps if an item is unavailable during training.

The Apprentice must satisfy all competency and time requirements to complete the program.

Use this book with the Apprentice Contract and in accordance with all applicable federal, state, local and employer safety and health standards. All work shall be performed in a professional manner and in accordance with any applicable building codes and professional industry standards.

How to Use This Book

Important Instructions for the Journeyworker

The competencies do not need to be instructed or completed in order.

If the Employer, adds duties, tasks, and steps not included in the book, or substitutes comparable tasks and steps if an item is unavailable during training., record this work in "Other (please specify)."

The Apprentice must demonstrate proficiency in the competencies before you sign off. Have the Apprentice perform each task and step several times. Both parties must sign off on items in ink.

Review the Job Book with the Apprentice's supervisor on a regular basis to ensure that the Apprentice completes all competencies by the end of the apprenticeship program.

Important Instructions for the Apprentice

This Job Book has been developed to identify skills required for you to reach journey worker status in your occupation. You do not need to meet the competencies in a specific order.

If the Employer adds additional duties, tasks and steps not included in the book, or substitutes comparable tasks and steps if an item is unavailable during training., record the work in "Other (please specify)."

Complete numerous tasks at each step to ensure you complete all requirements by the end of your program. Discuss and perform each item more than once.

Review this Job Book with your supervisor on a regular basis. Keep a journal of your daily work, including hours, why a task was not completed, and conversations regarding job details. On occasion, these detailed notes can be used to solve legal disputes.

Your trainer will sign off on an item only after you demonstrate an acceptable skill level. You and your trainer must sign and date each completed item in ink. Your trainer must use the columns marked "JW" for journey worker, and you must use the columns marked "APR" for apprentice.

Competency 1

Adhere to ANSI and employer safety standards for all work.

A. Inspect, maintain and use appropriate personal protective equipment.

Steps		JW	Date	APR	Date
The apprentice must properly perform this task for the following body parts, if applicable.					
01	Eyes				
02	Ears				
03	Head				
04	Hands				
05	Legs and feet				
06	Other (please specify):				
07	Other (please specify):				
08	Other (please specify):				

B. Inspect, maintain and use the appropriate tool, equipment or vehicle.

Steps		JW	Date	APR	Date
The apprentice must properly perform the following, if applicable:					
01	Select the appropriate tool, equipment and/or vehicle for job.				
02	Inspect the tool, equipment or vehicle for defects prior and after.				
03	Report all issues to direct supervisor.				
04	Perform lockout/tagout procedure before maintenance.				
05	Adhere to the employer and manufacturer's service guidelines.				
06	Other (please specify):				
07	Other (please specify):				
08	Other (please specify):				

Competency 1

Adhere to ANSI and employer safety standards for all work.

C. Assess tree for defects and hazards.

Steps		JW	Date	APR	Date
Assess the following for die-back, rot, decay, structural defects and other hazards, if applicable.					
01	Crown for die-back, rot, structural defects and other hazards.				
02	Tree trunk				
03	Basal trunk and structural roots				
04	Other (please specify):				
05	Other (please specify):				
06	Other (please specify):				

D. Establish and maintain safe work zones and sites.

Steps		JW	Date	APR	Date
The apprentice must properly perform the following, if applicable:					
01	Establish traffic safety and control practices.				
02	Assess the site for hazards.				
03	Inform all crew members of tree and site hazards.				
04	Create a work plan to maintain safety during the operations.				
05	Other (please specify):				
06	Other (please specify):				
07	Other (please specify):				

Competency 1

Adhere to ANSI and employer safety standards for all work.

E. Demonstrate safety practices unique to work aloft.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Identify potential struck-by's and report them to the supervisor.				
02	Identify electrical hazards and the appropriate clearance distance.				
03	Use appropriate fall protection.				
04	Other (please specify):				
05	Other (please specify):				
06	Other (please specify):				

Competency 2

Identify common trees and shrubs in the employer's region.

A. Deciduous

Steps		JW	Date	APR	Date
Identify the scientific and common names for the following.					
01	Other (please specify):				
02	Other (please specify):				
03	Other (please specify):				
04	Other (please specify):				
05	Other (please specify):				
06	Other (please specify):				
07	Other (please specify):				
08	Other (please specify):				
09	Other (please specify):				
10	Other (please specify):				

B. Evergreen

Steps		JW	Date	APR	Date
Identify the scientific and common names for the following.					
01	Other (please specify):				
02	Other (please specify):				
03	Other (please specify):				
04	Other (please specify):				
05	Other (please specify):				

Competency 2

Identify common trees and shrubs in the employer's region.

Steps		JW	Date	APR	Date
Identify the scientific and common names for the following.					
06	Other (please specify):				
07	Other (please specify):				
08	Other (please specify):				
09	Other (please specify):				
10	Other (please specify):				

Competency 3

Perform rigging on the ground and aloft.

A. Determine the removal plan.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Determine if the tree or neighboring trees are viable rigging points.				
02	If no viable rigging points are available on trees, use a crane.				
03	Evaluate the size for hazards.				
04	Establish drop zones and staging areas.				
05	Position equipment and personnel.				
06	Communicate removal plan to appropriate personnel.				
07	Other (please specify):				
08	Other (please specify):				
09	Other (please specify):				

B. Estimate the maximum load weight based on the equipment available.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Identify the species.				
02	Identify the wood characteristics and weight.				
03	Determine the average diameter of load.				
04	Estimate the approximate volume for the cylinder.				
05	Refer to wood weight chart for average species weight per cubic foot.				
06	Estimate the load weight.				

Competency 3

Perform rigging on the ground and aloft.

Steps		JW	Date	APR	Date
07	Other (please specify):				
08	Other (please specify):				
09	Other (please specify):				

C. Install and use a rigging system to lower the load directly to the ground.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Select the appropriate rigging equipment based on load weight.				
02	Determine the rigging point(s) above or below the load.				
03	Use a natural crotch or install a pulley or block as the rigging point.				
04	Install a friction-lowering device or a portable winch system, if needed.				
05	Determine the attachment point(s) to the load.				
06	Attach the lowering line to load using a butt-tie, tip-tie, and balance tie.				
07	Attach the tag line, if needed.				
08	Ensure all lines are not obstructed.				
09	Review the rigging plan with the crew prior to performing the operation.				
10	Lower the load slowly with control, away from climbers or aerial lift.				
11	Other (please specify):				
12	Other (please specify):				
13	Other (please specify):				

Competency 3

Perform rigging on the ground and aloft.

D. Install and use a rigging system to move the load laterally.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Select the appropriate rigging equipment based on load weight.				
02	Determine the rigging point(s) above or below the load and in relation to drop zone.				
03	Use a natural crotch and/or install a pulley or block as the rigging point(s).				
04	Establish a re-direct point(s).				
05	Install a friction-lowering device or a portable winch system.				
06	Determine the attachment point(s) to the load.				
07	Attach the lowering line to the load using a butt-tie, tip-tie, and balance tie.				
08	Attach the tag line, if needed.				
09	Ensure all lines are not obstructed.				
10	Review the rigging plan with the crew prior to performing the operation.				
11	Lower the load away slowly with control, away from climbers or aerial lift.				
12	Other (please specify):				
13	Other (please specify):				
14	Other (please specify):				

Competency 4

Climb trees safely.

A. Perform pre-climb inspection of equipment.

Steps		JW	Date	APR	Date
Inspect the following equipment for wear and proper function, in accordance with ANSI Standards Z133.					
01	Climbing saddle				
02	Climbing lines				
03	Split tails, prussic cords, and loop runners				
04	Lanyards				
05	All carabineers, snaps, pulleys, related hardware				
06	Mechanical ascenders and descenders				
07	Friction savers				
08	Other (please specify):				
09	Other (please specify):				
10	Other (please specify):				

B. Perform pre-climb inspection of equipment.

Steps		JW	Date	APR	Date
Properly perform the following.					
01	Complete Competency 1.C. (page 2)				
02	Complete Competency 1.D. (page 2)				
03	Complete Competency 1.E. (page 3)				

Competency 4

Climb trees safely.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
04	Other (please specify):				
05	Other (please specify):				
06	Other (please specify):				

C. Install the climbing line(s) from the ground.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Select a safe tie-in point for ascending the tree.				
02	Demonstrate a proper throw-line toss.				
03	Install a false crotch using a throw-line.				
04	Install a climbing line attached to a throw-line.				
05	Install a climbing line using a throwing knot toss.				
06	Install a climbing line with a pole pruner and throwing knot.				
07	Select a safe tie-in for and install an emergency access line.				
08	Test the climbing system.				
09	Other (please specify):				
10	Other (please specify):				
11	Other (please specify):				

Competency 4

Climb trees safely.

D. Ascend the tree.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Setup and climb a ladder properly and safely.				
02	Demonstrate safe use of alternate lanyard technique.				
03	Demonstrate the body thrusting technique				
04	Ascend a climbing line using a secured foot-lock technique.				
05	Ascend a climbing line using mechanical ascenders				
06	Ascend the tree using climbing spurs and lanyard.				
07	Demonstrate safe setup and application of single rope technique (SRT).				
08	Other (please specify):				
09	Other (please specify):				
10	Other (please specify):				

E. Position to work aloft.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Select a safe tie-in point for working in the crown.				
02	Tie in using a natural crotch.				
03	Tie in using a false crotch.				
04	If using climbing spikes, use a secondary attachment point.				

Competency 4

Climb trees safely.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
05	Perform a safe double crotch maneuver.				
06	Apply a re-direct (natural crotch) technique.				
07	Use mechanical re-direct equipment.				
08	Perform a limb walk safely and efficiently.				
09	Perform a controlled rope swing.				
10	Perform a chainsaw cut with two points of attachment.				
11	Other (please specify):				
12	Other (please specify):				
13	Other (please specify):				

F. Descend the tree.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Remove all cut branches.				
02	Remove equipment or position it to be removed from ground.				
03	Descend on a dynamic climbing line system.				
04	Descend using a figure-8 descender.				
05	Descend using a mechanical descending device.				
06	Other (please specify):				
07	Other (please specify):				
08	Other (please specify):				

Competency 4

Climb trees safely.

G. Retrieve rope and equipment from the ground.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Pull the rope out of natural crotch.				
02	Pull rope and false crotch out of tree.				
03	Pull rope and false crotch out of tree using a throwline.				
04	Pull retrievable re-direct out of tree.				
05	Other (please specify):				
06	Other (please specify):				
07	Other (please specify):				

Competency 5

Operate a chain saw on the ground and aloft, and perform field maintenance.

A. Safely start and control the chain saw.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Apply the chain brake.				
02	Prepare the saw for starting according to manufacturer's operating manual.				
03	Hold the saw firmly in a manner that minimizes movement.				
04	Put your left hand on the front handle bar and pull the starting handle.				
05	Put your right hand on the rear handle to control the throttle trigger.				
06	Make sure your thumbs are wrapped around the handles.				
07	Release the chain brake.				
08	Other (please specify):				
09	Other (please specify):				
10	Other (please specify):				

B. Perform brush cutting.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Remove objects from ground that could cause kick-back or damage chain.				
02	Cut stems at or near ground level.				
03	Other (please specify):				
04	Other (please specify):				
05	Other (please specify):				

Competency 5

Operate a chain saw on the ground and aloft, and perform field maintenance.

C. Perform felling.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Perform an open-face notch cut.				
02	Perform a conventional notch cut.				
03	Perform a back cut.				
04	Perform a plunge cut and release cut.				
05	Other (please specify):				
06	Other (please specify):				
07	Other (please specify):				

D. Perform limbing and bucking.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Stand on the uphill side of the log.				
02	Limb from the base of the tree to the tip.				
03	Buck the tree from the tip to the base.				
04	Other (please specify):				
05	Other (please specify):				
06	Other (please specify):				

Competency 5

Operate a chain saw on the ground and aloft, and perform field maintenance.

E. Cut wood under tension and compression.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Identify the cause(s) of tension and compression.				
02	Identify the side(s) under tension and the side(s) under compression.				
03	Determine which side is safest to cut.				
04	Determine the appropriate cutting technique.				
05	Perform shaving.				
06	Perform notch and back cut.				
07	Perform notch, plunge and release cut.				
08	Perform a series of small cuts.				
09	Use wedges to prevent the wood from pinching the saw.				
10	Other (please specify):				
11	Other (please specify):				
12	Other (please specify):				

Competency 5

Operate a chain saw on the ground and aloft, and perform field maintenance.

F. Perform removal cuts.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Perform a bypass cut ("snap cut").				
02	Perform a notch and back cut.				
03	Perform a jump cut.				
04	Other (please specify):				
05	Other (please specify):				
06	Other (please specify):				

G. Perform pruning cuts.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Use a three-cut method to remove the branch weight prior to the final cut.				
02	Perform a branch pruning cut.				
03	Perform a reduction pruning cut.				
04	Perform a co-dominant stem pruning cut.				
05	Perform an included-bark pruning cut.				
06	Other (please specify):				
07	Other (please specify):				
08	Other (please specify):				

Competency 5

Operate a chain saw on the ground and aloft, and perform field maintenance.

H. Safely secure and transport the chain saw.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Apply the brake.				
02	Turn off the engine.				
03	If on the ground, hold the saw to side with the bar pointing backwards.				
04	If climbing, attach the chain saw securely to the saddle.				
05	If operating an aerial lift, stow the chain saw in bucket scabbard.				
06	Other (please specify):				
07	Other (please specify):				
08	Other (please specify):				

I. Perform field maintenance.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Remove the cover, bar, and chain.				
02	Clean out debris under the cover.				
03	Clean the bar, flip for reinstallation, and install chain				
04	Install cover, adjust chain tension and tighten nuts.				
05	Clean the air filter.				
06	Sharpen the chain according to manufacturer's specifications.				
07	Other (please specify):				
08	Other (please specify):				
09	Other (please specify):				

Competency 6

Operate a chipper.

A. Prepare brush and wood.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Establish an appropriate area to stage the material.				
02	Stack brush and wood in manageable piles with the butt ends first and smaller materials on top.				
03	Remove hazards and place safely away from work zone				
04	Other (please specify):				
05	Other (please specify):				
06	Other (please specify):				

B. Position the chipper.

Steps		JW	Date	APR	Date
Properly perform the following in a safe and controlled manner, if applicable.					
01	Maneuver and back chipper into the safest and most effective position.				
02	Position and latch the infeed and discharge chutes correctly.				
03	Other (please specify):				
04	Other (please specify):				
05	Other (please specify):				

Competency 6

Operate a chipper.

C. Chip brush and wood.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Ensure in-feed area is free of hazards.				
02	Engage and disengage clutch.				
03	Operate the chipper's emergency safety features.				
04	Adjust feed rollers.				
05	Handle and feed material according to ANSI Z133-2012 8.6.				
06	Mitigate wood jams and pinches safely.				
07	Shut down and secure chipper for transport.				
08	Other (please specify):				
09	Other (please specify):				
10	Other (please specify):				

Competency 7

Prune trees and shrubs from the ground and aloft, according to ANSI A300.

A. Demonstrate awareness of the three reasons for pruning.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Promote a safe tree and environment				
02	Promote the health of the tree.				
03	Improve aesthetics of the tree.				
04	Other (please specify):				
05	Other (please specify):				
06	Other (please specify):				

B. Determine the pruning objective(s).

Steps		JW	Date	APR	Date
01	Identify the tree or shrub species.				
02	Evaluate the tree or shrub.				
03	Evaluate the site.				
04	Determine the pruning technique(s):				
05	Determine the necessary equipment.				
06	Other (please specify):				
07	Other (please specify):				
08	Other (please specify):				

Competency 7

Prune trees and shrubs from the ground and aloft, according to ANSI A300.

C. Perform pruning cuts using hand tools and pole tools.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Use a three-cut method to remove the branch weight prior to the final cut				
02	Perform a branch pruning cut.				
03	Perform a reduction pruning cut.				
04	Perform a co-dominant stem pruning cut.				
05	Perform an included-bark pruning cut.				
06	Other (please specify):				
07	Other (please specify):				
08	Other (please specify):				

D. Perform crown thinning.

Steps		JW	Date	APR	Date
01	Reduce the density of live branches.				
02	Remove no more than 25% of the live crown.				
03	Ensure live branches are distributed evenly.				
04	Other (please specify):				
05	Other (please specify):				
06	Other (please specify):				

Competency 7

Prune trees and shrubs from the ground and aloft, according to ANSI A300.

E. Perform crown cleaning.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Identify non-beneficial parts to be removed (i.e. broken, dead or dying).				
02	Specify their location(s).				
03	Specify their size(s).				
04	Remove the non-beneficial parts.				
05	Other (please specify):				
06	Other (please specify):				
07	Other (please specify):				

F. Perform crown reduction.

Steps		JW	Date	APR	Date
01	Determine whether the species is able to tolerate the pruning.				
02	Determine the location of parts to be removed.				
03	Determine the clearance requirements of the parts.				
04	Determine the size of the parts.				
05	Remove the parts.				
06	Other (please specify):				
07	Other (please specify):				
08	Other (please specify):				

Competency 7

Prune trees and shrubs from the ground and aloft, according to ANSI A300.

G. Perform crown raising.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Determine the clearance height.				
02	Determine the location of the parts to be removed.				
03	Determine the size of the parts to be removed.				
04	Remove the parts, leaving more than 50% of the live crown.				
05	Other (please specify):				
06	Other (please specify):				
07	Other (please specify):				

H. Perform structural pruning.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Identify the dominant leader(s) to be retained.				
02	Remove or reduce branches to create clearance.				
03	Identify temporary branches to be retained.				
04	Remove branches to create proper permanent branch spacing.				
05	Other (please specify):				
06	Other (please specify):				
07	Other (please specify):				

Competency 7

Prune trees and shrubs from the ground and aloft, according to ANSI A300.

I. Perform pruning of shrubs.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Rejuvenation pruning				
02	Renewal pruning				
03	Thinning pruning				
04	Shearing pruning				
05	Other (please specify):				
06	Other (please specify):				
07	Other (please specify):				

Competency 8

Perform plant health care activities, including using a motorized spray rig.

A. Plant trees according to ANSI A300.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Ensure all underground utilities are properly marked.				
02	Identify the root flare and main root system.				
03	Determine the proper depth and width of the planting hole.				
04	Dig the planting hole.				
05	Inspect branches and central leader; remove dead, dying, broken and diseased branches.				
06	Inspect canopy for material to be removed, such as twine and tags.				
07	Place the tree in the planting hole and remove packing.				
08	Backfill the planting hole with original soil.				
09	Install tree support system as needed.				
10	Install mulch around tree.				
11	Water the tree based on soil conditions.				
12	Other (please specify):				
13	Other (please specify):				
14	Other (please specify):				

Competency 8

Perform plant health care activities, including using a motorized spray rig.

B. Identify common pests, diseases, and non-infectious disorders in the employer's region.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Common pest (please specify):				
02	Common pest (please specify):				
03	Common pest (please specify):				
04	Common pest (please specify):				
05	Common pest (please specify):				
06	Common pest (please specify):				
07	Common pest (please specify):				
08	Common pest (please specify):				
09	Common pest (please specify):				
10	Common pest (please specify):				
11	Common disease (please specify):				
12	Common disease (please specify):				
13	Common disease (please specify):				
14	Common disease (please specify):				
15	Common disease (please specify):				
16	Common disease (please specify):				
17	Common disease (please specify):				
18	Common disease (please specify):				

Competency 8

Perform plant health care activities, including using a motorized spray rig.

C. Perform spray treatments according to employer practices.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable					
01	Mix and/or load products according to product label requirements.				
02	Inspect site for obstacles and hazards.				
03	Create a work plan based on environmental conditions, such as wind and non-target plants and material.				
04	Apply the treatment.				
05	Document the application per local, state and federal requirements.				
06	Install appropriate signage per local, state and federal requirements.				
07	Dispose of product packaging properly.				
08	Clean and store equipment.				
09	Other (please specify):				
10	Other (please specify):				
11	Other (please specify):				

D. Perform trunk injection treatments.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Determine whether the tree is healthy enough for an injection.				
02	Mix and/or load products according to product label requirements.				
03	Prepare and install the appropriate injection points.				
04	Apply the treatment.				
05	Document the application per local, state and federal requirements.				

Competency 8

Perform plant health care activities, including using a motorized spray rig.

Steps		JW	Date	APR	Date
06	Install appropriate signage per local, state and federal requirements.				
07	Dispose of product packaging properly.				
08	Clean and store equipment.				
09	Other (please specify):				
10	Other (please specify):				
11	Other (please specify):				

E. Perform soil injection treatments.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Ensure all underground utilities are properly marked.				
02	Mix and/or load products according to product label requirements.				
03	Inspect site for obstacles and hazards.				
04	Determine and mark the soil injection sites.				
05	Apply the treatment.				
06	Document the application per local, state and federal requirements.				
07	Install appropriate signage per local, state and federal requirements.				
08	Dispose of product packaging properly.				
09	Clean and store equipment.				
10	Other (please specify):				
11	Other (please specify):				
12	Other (please specify):				

Competency 8

Perform plant health care activities, including using a motorized spray rig.

Steps		JW	Date	APR	Date
06	Install appropriate signage per local, state and federal requirements.				
07	Dispose of product packaging properly.				
08	Clean and store equipment.				
09	Other (please specify):				
10	Other (please specify):				
11	Other (please specify):				

F. Perform basal trunk & soil excavation.

Steps		JW	Date	APR	Date
Properly perform the following, if applicable.					
01	Ensure all underground utilities are properly marked.				
02	Mix and/or load products according to product label requirements.				
03	Inspect site for obstacles and hazards.				
04	Determine and mark the soil injection sites.				
05	Apply the treatment.				
06	Document the application per local, state and federal requirements.				
07	Install appropriate signage per local, state and federal requirements.				
08	Dispose of product packaging properly.				
09	Clean and store equipment.				
10	Other (please specify):				
11	Other (please specify):				
12	Other (please specify):				

Competency 9

Remove trees and shrubs from the ground and aloft.

A. Remove limbs.

Steps		JW	Date	APR	Date
01	Review the removal plan.				
02	Cut and let fall.				
03	Cut, break and throw.				
04	Notch and back cut branches.				
05	Rigging to lower branch				
06	Other (please specify):				
07	Other (please specify):				
08	Other (please specify):				

B. Remove trunk sections.

Steps		JW	Date	APR	Date
01	Ensure all underground utilities are properly marked.				
02	Remove loose debris from the grind area to prevent objects being thrown.				
03	Cut the stump with a chainsaw as close to the ground as possible.				
04	Put up guards, if needed				
05	Perform grinding according to employer's and manufacturer's specifications.				
06	Remove the stump grounds.				
07	Backfill the hole with soil.				
08	Other (please specify):				
09	Other (please specify):				
10	Other (please specify):				

Competency 9

Remove trees and shrubs from the ground and aloft.

C. Fell trunks or entire tree.

Steps		JW	Date	APR	Date
01	Review the removal plan.				
02	Open face notch and back cut				
03	Dispose of product packaging properly.				
04	Rig to directionally fell.				
05	Use wedges to directionally fell.				
06	Other (please specify):				
07	Other (please specify):				
08	Other (please specify):				

D. Grind stumps.

Steps		JW	Date	APR	Date
01	Ensure all underground utilities are properly marked.				
02	Remove loose debris from the grind area to prevent objects being thrown.				
03	Cut the stump with a chainsaw as close to the ground as possible.				
04	Put up guards, if needed				
05	Perform grinding according to employer's and manufacturer's specifications.				
06	Remove the stump grounds.				
07	Backfill the hole with soil.				
08	Other (please specify):				
09	Other (please specify):				
10	Other (please specify):				

Competency 10

Local Options

A. Other (please specify):

Steps		JW	Date	APR	Date
01	Other (please specify):				
02	Other (please specify):				
03	Other (please specify):				
04	Other (please specify):				
05	Other (please specify):				

B. Other (please specify):

Steps		JW	Date	APR	Date
01	Other (please specify):				
02	Other (please specify):				
03	Other (please specify):				
04	Other (please specify):				
05	Other (please specify):				

C. Other (please specify):

Steps		JW	Date	APR	Date
01	Other (please specify):				
02	Other (please specify):				
03	Other (please specify):				
04	Other (please specify):				
05	Other (please specify):				

