

# ASWP 14 R0

## Stumper Operation



### Revision History

Version	Revision Date	Brief Description of Revisions
R0	February 2016	Document has been updated to new format.

## ARBORIST SAFE WORK PRACTICES

### DISCLAIMER

The contents of the **Arborist** Safe Work Practices (ASWP), including all advice, recommendations, and procedures are provided as a service by Workplace Safety & Prevention Services (formerly known as the Farm Safety Association of Ontario). No representation of any kind is made to any person whatsoever with regard to accuracy, completeness or sufficiency of the material. Any and all use of these practices, or anything found herein, is solely and entirely at the user's risk.

Workplace Safety & Prevention Services wishes to express its appreciation to those who have assisted in the preparation of the **Arborist SafeWorkPractices** guide.

Copyright © Workplace Safety & Prevention Services, 2011

# Contents

- 1.0 Introduction
- 2.0 Hazards
- 3.0 Legislation / Safe Work Practices
- 4.0 Mandatory Information / Work Practices
- 5.0 Work Practice
  - 5.1 Pre-operational Checks
  - 5.2 Stumper Operation
  - 5.3 Emergency Shut Down of Stumper
  - 5.4 Normal shut Down of Stumper

# 1.0 Introduction

This document outlines the safe work practices involved in operating a stumper to remove a tree stump.

## 2.0 Hazards

The following hazards have been identified to aid in establishing and maintaining a safe work environment when operating a stumper to remove tree stumps:

Biotic Conditions  
Climatic Conditions  
Electrical Conditions  
Ergonomics  
Mechanical

**Note:** The above list of hazards is not a complete list and a thorough job plan should be completed to identify existing hazards found at the work site.

## 3.0 Legislation / Safe Work Practices

The following information has been provided listing relevant arborist safe work practices and legislation requirements:

- ASWP01 General Legislation
- ASWP01 Work in a Safe Environment
- ASWP02 Protect Self and Others
- ASWP02 Arborist Job Planning
- Temporary Conditions – Ontario Traffic Manual

Legislation	RRO / RSO	Section Referenced
<a href="#">Industrial</a>	851/90	79, 80, 81, 82, 83, 84, 85
<a href="#">Construction</a>	213 / 91	67, 68, 69, 93, 94, 95, 96, 101, 104, 105, 108, 109

## 4.0 Mandatory Information / Work Practices

The following are the general mandatory requirements for an arborist when working with a stumper to remove tree stumps.

- Operators shall wear appropriate Personal Protective Equipment (PPE)
- Only Qualified personnel may operate a stumper
- Routine inspection and maintenance shall be completed as per the manufacturer's instruction
- Do not wear jewelry or clothing that may or could become entangled in moving parts
- Secure long hair so that it does not become entangled in moving parts
- Never work near or on cutter wheel unless Lockout procedures have been followed
- Everyone must be clear of secure work area during operation (refer to Figure 2)
- Ensure locates have been obtained
- Inspect stumper prior to use
- Ensure all guards and protective devices are operational and in place prior to operation
- Ensure manufacturer's instructions are readily available and have been understood by the operator
- Transport the stumper as per manufacturer's instructions

## 5.0 Work Practice

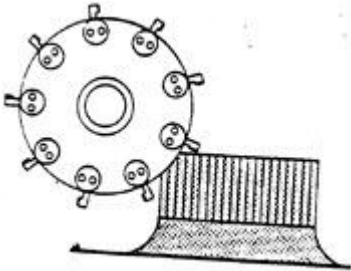
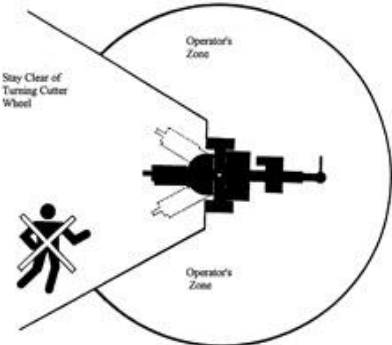
The following information will provide general information that is required when working with a stumper to remove tree stumps.

**Note:** Refer to owner / operator manuals for specific stumper operation / maintenance.

### 5.1 Pre-operational Checks

Step	Action
Inspect stumper	<ul style="list-style-type: none"><li>• Inspect as per the manufacturer's instructions</li><li>• Ensure guards and shields are in place and operational</li><li>• Ensure the manufacturer's instructions are available</li></ul>
Inspect cutter wheel	<ul style="list-style-type: none"><li>• Inspect for damaged or missing teeth</li></ul>
Secure work site	<ul style="list-style-type: none"><li>• Secure work site with traffic control devices and pedestrian barriers as per OntarioTraffic Manual Book 7</li></ul>

## 5.2 Stumper Operation

Step	Action
Inspect stump and work site	Remove: <ul style="list-style-type: none"> <li>• Nails</li> <li>• Metal objects</li> <li>• Foreign objects</li> <li>• Stones</li> <li>• Wires</li> <li>• Loose chunks of wood.</li> <li>• Assess potential of underground obstructions and obtain locates</li> <li>• Assess work site for ground conditions and slope</li> </ul>
Start stumper	<ul style="list-style-type: none"> <li>• Ensure cutter wheel is free of objects</li> <li>• Remove transporting pins as per manufacturer's instructions</li> </ul>
Engage cutter wheel	<ul style="list-style-type: none"> <li>• Ensure guards and curtains are in place</li> </ul>
Begin cutting stump (Figure 1) using the manufacturer's recommended cutting area <div> <p><b>Figure 1</b></p> </div> 	<ul style="list-style-type: none"> <li>• Monitor work site to ensure no one enters the area where debris can be thrown from the machine (Figure 2)</li> </ul> <div> <p><b>Figure 2</b></p> </div>  <ul style="list-style-type: none"> <li>• Monitor the direction of debris to ensure it stays within the work site</li> </ul>

### 5.3 Emergency Shut Down of Stumper

Step	Action
Refer to manufacturer's instruction for further specific information	
Disengage cutter wheel	<ul style="list-style-type: none"><li>• Move control lever to disengage wheel</li></ul>
Lower cutter wheel into stump	<ul style="list-style-type: none"><li>• Lower wheel into stump debris</li></ul>
Shut down machine	<ul style="list-style-type: none"><li>• Turn off ignition</li></ul>

### 5.4 Normal Shut Down of Stumper

Step	Action
Disengage cutter wheel	<ul style="list-style-type: none"><li>• Wait for cutter wheel to stop revolving</li></ul>
Secure the stumper for road travel	<ul style="list-style-type: none"><li>• Insert safety pins; roll up curtains as per manufacturer's instructions</li></ul>
Shut off unit	