

VIRGINIA DEPARTMENT OF FORESTRY PRESCRIBED BURN MANAGEMENT PLAN

I. Location and Identification

Landowner Information

Name: _____ Phone Number: _____

Address: _____

Tract Information

County: _____ Coordinates: _____

Location: _____

Acres: _____ Tract #: _____ Parcel: _____ Map Attached: Yes No

Reason for the burn: Site Prep Fuel Reduction Wildlife

II. Objectives of the Burn

III. Fire Breaks (Identify type, location and planned stabilization if needed. Identify on attached map)

IV. Weather

Prescription Parameters

- | | |
|--|------------------------------------|
| A. Surface Wind _____
<small>Direction MPH</small> | D. Relative Humidity (%) _____ |
| B. Transport Wind _____
<small>Direction</small> | E. Temperature _____ |
| C. Mixing Height (meters) _____ | F. Cumulative Severity Index _____ |

Burn Day

	Forecast				On Site			
	Day		Night		Prior		At Conclusion	
A. Surface Wind	<small>Direction</small>	<small>MPH</small>	<small>Direction</small>	<small>MPH</small>	<small>Direction</small>	<small>MPH</small>	<small>Direction</small>	<small>MPH</small>
B. Transport Wind	<small>Direction</small>	<small>MPH</small>	<small>Direction</small>	<small>MPH</small>	_____	_____	_____	_____
C. Mixing Height (meters)	_____		_____		_____		_____	
D. Relative Humidity (%)	_____		_____		_____		_____	
E. Temperature	_____		_____		_____		_____	

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F. Cumulative Severity Index _____ No burning when CSI is at or above 500 during the growing season or when CSI is at or above 300 during the dormant season.

V. Screening for Smoke Sensitive Targets Use double 30 degree template. Attach map.

- A. None within 20 miles: Proceed with burn, follow recommendations to reduce smoke impact for all forestry burns. (located in VA Smoke Management Guide)
- B. Target(s) within 10 to 20 miles: The following minimum conditions must be met, and the above mentioned recommendations should also be followed.
 Mixing Height: 500 meters (1,640 ft.)
 Ventilation Factor of 2,000
 [Mixing Height (meters) X Transport Wind Speed (meters/sec)]
- C. Target(s) within 10 miles: All of the conditions in A and B above must be met and the following should be considered. The distance to the target, nature of the target, size of the burn, amount and nature of the fuel, fuel moisture, topography, and presence of organic soil. These factors along with the meteorological conditions all combine to determine the quantity and duration of the smoke produced.

SPECIAL CAUTION IS NECESSARY

An alternative to burning may need to be prescribed unless conditions change allowing the potential target(s) to not be impacted by the smoke from your burn.

VI. Other Considerations

- A. Department of Forestry Regional office notified, as well as county fire department dispatcher.
- B. Home owners within 1,000 feet. (Permission required through the Emission Standards for Open Burning according to the State Air Pollution Control Board.)
- C. Local Ordinances and the Forest Fire Laws of Virginia.
- D. Keep fires out of large piles of debris and sawdust piles which may produce smoke for extended periods of time. It is DOF policy not to burn bulldozed piled debris as a site preparation method.
- E. If smoke does cross a road you need to place a flag person at both ends with radio communications.
- F. Burn to be completed 1 hour prior to sunset.
- G. What are the fuel conditions and characteristics? _____

VII. Burning Plan / Strategy

- A. What is the complexity of your burn? Briefly identify the ignition, holding and suppression resources needed, the number of personnel and types of equipment required to safely and efficiently accomplish the burn.

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EVALUATION IMMEDIATELY AFTER THE BURN

Evaluation By

PRINT NAME _____

SIGNATURE _____

1. Acres Burned _____
2. Spotting _____ Distance (comments) _____
3. Any Escapes _____
4. Objectives Met _____
5. Smoke Problems _____
6. % Understory Vegetation Consumed < 25% 26-50% 51-75% >75%
7. % Material > 3" Diameter Consumed < 25% 26-50% 51-75% >75%
8. % Of Area With Crown Discoloration < 25% 26-50% 51-75% >75%
9. Live Crown Consumption _____
10. Adverse Publicity _____
11. Remarks _____

FUTURE EVALUATION

Evaluation By

PRINT NAME _____

SIGNATURE _____

DATE _____

1. Insect / Disease Damage _____

2. Tree Mortality _____
3. % Understory Kill < 25% 26-50% 51-75% >75%
4. Soil Movement _____
5. Other Remarks _____

