

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. Weather

Prescription Conditions

A. Surface Wind _____
Direction MPH

D. Relative Humidity (%) _____

B. Transport Wind _____
Direction

E. Temperature _____

C. Mixing Height (meters) _____

F. Cumulative Severity Index _____

Burn Day

Forecast

On Site

Day

Night

Prior

At Conclusion

A. Surface Wind _____
Direction MPH Direction MPH Direction MPH Direction MPH

B. Transport Wind _____
Direction MPH Direction MPH Direction MPH Direction MPH

C. Mixing Height (meters) _____

D. Relative Humidity (%) _____

E. Temperature _____

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.

III. Objectives of the Burn

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IV. 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

$$[\text{Mixing Height (meters)} \times \text{Transport Wind Speed (meters/sec)}]$$

- 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.

V. 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? _____

VI. Burning Plan / Strategy

A. Equipment On Site	Recommended	Actual
Number of tractor / fire plow units	_____	_____
Number of pickups	_____	_____
Additional water supply	_____	_____
Burn trailer	_____	_____
Number of hand carried radios	_____	_____
Other, specify _____		

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B. Personnel On Site

	Recommended	Actual
Number of DOF employees	_____	_____
Number of non-DOF employees	_____	_____
Landowner(s) list	_____	
Other, specify	_____	

C. Ignition Pattern (starting point shown on map) _____

D. Ignition Method Drip Torch Aerial Other _____

E. Special Fire Control and Smoke Considerations _____

E. Planned Mop-up Activities _____

Prepared By

_____ PRINT NAME	_____ SIGNATURE	_____ DATE
_____ CERTIFICATION NUMBER	_____ PHONE NUMBER	

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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 _____

