

# MISSISSIPPI PRESCRIBED BURNING PLAN

## **Preparer Information**

Plan Preparer: \_\_\_\_\_

Date Plan Prepared: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

## **Property Location**

County: \_\_\_\_\_

Latitude: \_\_\_\_\_

Longitude: \_\_\_\_\_

40#-S-T-R (optional): \_\_\_\_\_

## **Property Owner or Administrating Authority Information**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Zip: \_\_\_\_\_

## **Purpose of the Burn (Check One)**

Site Preparation

Fuel Reduction

Habitat Improvement

Silvicultural

Other: \_\_\_\_\_

## **Stand Description (Check ALL that apply)**

• **Topography:**     Generally Flat         Gentle Rolling         Steep Hills

• **Fuel Description:**

○ Fuel Loading:     Low         Medium         Heavy

○ Fuel Type:         Grass         Shrubs         Litter         Slash

○ Other Fuel Description (if necessary): \_\_\_\_\_

• **Overstory Description:**

○ Species Composition:     None     Pine     Hardwood     Mixed     Other: \_\_\_\_\_

○ Size:     Large Sawtimber     Small Sawtimber     Pulpwood     Sub-Merchantable

Other: \_\_\_\_\_

• **Understory Description:**

\_\_\_\_\_  
\_\_\_\_\_

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## **Weather Requirements:**

To obtain a burning permit, you must have weather conditions that meet one of the following criteria. The permit does not give you "permission" to burn, it only establishes that the conditions exist for adequate smoke dispersion. Please choose your minimum transport wind speed and mixing height requirement below:

- "Option 1" must have a transport wind speed of 3.5 m/s (or greater) and a mixing height of 500m (or greater)
- "Option 2" must have a transport wind speed of 3 m/s (or greater) and a mixing height of 890m (or greater)

## **Desired Weather Conditions**

Surface Wind Speed \_\_\_\_\_ Surface Wind Direction \_\_\_\_\_ Time of day to start \_\_\_\_\_  
Transport Wind Speed \_\_\_\_\_ Transport Wind Direction \_\_\_\_\_ Minimum Mixing height \_\_\_\_\_  
Desired Temperature Range \_\_\_\_\_ Stagnation Index \_\_\_\_\_ Relative Humidity Range \_\_\_\_\_

## **Pre-Burn Information (Complete ALL applicable items below)**

Acres to be burned: \_\_\_\_\_ # Fire Suppression Units Desired: \_\_\_\_\_ # Personnel Desired on Site: \_\_\_\_\_

Firelanes Present:  Exterior  Interior  Natural  Man-made  Both

Special precautions: \_\_\_\_\_

Notify (if needed): \_\_\_\_\_

## **Smoke management:**

- Smoke sensitive areas:

\_\_\_\_\_  
\_\_\_\_\_

- Smoke critical targets:

\_\_\_\_\_  
\_\_\_\_\_

Firing techniques to be used (Check all that apply):  Heading or Strip Heading  Backing  Spotting  
 Flanking  Other: \_\_\_\_\_

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Prescribed Burn Plan Notarization

On this day, the \_\_\_\_\_(Day) of \_\_\_\_\_(Month), \_\_\_\_\_(Year), \_\_\_\_\_(Name of Individual) personally appeared before me, a Notary Public in and for the State of \_\_\_\_\_, and acknowledged to me that this Prescribed Burning Plan contained within this document was prepared by \_\_\_\_\_(Plan Preparer) for land owned by \_\_\_\_\_(Land Owner’s Name), located at \_\_\_\_\_(Latitude) and \_\_\_\_\_(Longitude), which is also located in Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_, of \_\_\_\_\_ County, Mississippi.

\_\_\_\_\_  
Notary Public

(SEAL)

My Commission expires: \_\_\_\_\_



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## **Summary of the Burn (Actual Conditions on the day the burn is executed)**

Date(s) of Burn: \_\_\_\_\_

Acres burned \_\_\_\_\_

Burn permit #(s) \_\_\_\_\_

Firing Techniques Used (Check ALL that apply):

Head       Strip       Backing       Flanking       Other \_\_\_\_\_

Time of initial set \_\_\_\_\_

## **Weather Parameters from Fire Weather Forecast**

Surface Wind Speed \_\_\_\_\_ Surface Wind Direction \_\_\_\_\_

Transport Wind Speed \_\_\_\_\_ Transport Wind Direction \_\_\_\_\_

Mixing height \_\_\_\_\_ Temperature Range \_\_\_\_\_

Stagnation Index \_\_\_\_\_ Relative Humidity Range \_\_\_\_\_

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Certified Burn Manager (Signature)** \_\_\_\_\_

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## **Final Evaluation (Check ALL that Apply)**

Date of Evaluation: \_\_\_\_\_

Bole Damage       Understory Kill       Bark Char (height)       Top Burn Only

Soil Movement       Significant Crown Scorch       Fuel Reduced

Other Negative Effects: \_\_\_\_\_

Effectively Met Burn Goals       Ineffective Burn Outcome       Negative Impact from Burn

## **Additional Remarks**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Evaluated By:** \_\_\_\_\_