

**Part 540 – Operation and Management**

**Subpart D – Exhibits**

**540.58 PRESCRIBED BURN PLAN FOR A PLANT MATERIALS CENTER**

PMC: \_\_\_\_\_ Date: \_\_\_\_\_

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

Contact: \_\_\_\_\_

Acres to burn: \_\_\_\_\_ Planned date of burn: \_\_\_\_\_

Location: County: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_

Section: \_\_\_\_\_ Legal Description: \_\_\_\_\_

**A. Description of burn area:** \_\_\_\_\_

**Land use:** \_\_\_\_\_

1. Present plant cover

a. Woody Plants:

Species	Height (ft.)	Average basal diameter (in.)	Canopy (%)	Fuel load (lbs/acre)

b. Herbaceous Plants:

Species	Height (ft.)	Fuel load (lbs/acre)	Field Number	Wind Direction Required

Title 190 – National Plant Materials Manual


Species	Height (ft.)	Fuel load (lbs/acre)	Field Number	Wind Direction Required

c. Total Estimated Fuel Load:

Woody and herbaceous plants \_\_\_\_\_ lbs/acre

2. Slope% \_\_\_\_\_ Aspect \_\_\_\_\_ Soil Type \_\_\_\_\_

3. Objective (CHECK ONE)

Stimulate forbs                      Stimulate grass seed production

Reduce wildfire hazard                      Remove litter

Reduce insect/disease/weed

Other Reason(s) for Burning:

4. Timing of Burn (CHECK ONE)

1-3" New growth stage

Before plant growth (forbs only)

Other (e.g., fall burn) \_\_\_\_\_

**C. Acceptable conditions for prescribed burns:**

Relative Humidity (%)	Wind Speed (MPH)						
	4	6	8	10	12	14	16
25-34	A	A	A	XXXX	XXXX	XXXX	XXXX
35-39	A	A	A	A	XXXX	XXXX	XXXX
40-44	A	A	A	A	A	XXXX	XXXX
45-59	A	A	A	A	A	A	XXXX
60-69	XXXX	A	A	A	A	A	A
70-79	XXXX	XXXX	A	A	A	A	A

80-89	XXXX	XXXX	XXXX	A	A	A	A
A = Acceptable; XXXX = Not acceptable							

1. Comments: (firing method, starting time, wind direction, soil surface moisture condition, etc.)

---



---



---

2. Ignition plan and/or firing sequence (see plan map)

---

\* Parties igniting a prescribed burn may be liable for damages resulting from the fire and control cost, should fire escape the designated area.

**D. Preparation of Area for Burning:**

1. Firebreak construction:

- a. Firebreak widths will be equal to or greater than five times the height of adjacent vegetation.
- b. Burned firebreaks—being essentially devoid of fuel and of the proper width—can provide protection from fire escape (width 5—30 ft.)
- c. A combination of closely mowed vegetation and a bare ground strip firebreak can provide adequate protection, if combined widths are \_\_\_\_\_ feet wide.
- d. kind of firebreak \_\_\_\_\_  
width feet \_\_\_\_\_ length feet \_\_\_\_\_  
date to apply \_\_\_\_\_
- e. Existing firebreaks, streams, roads, tilled fields, etc. (show on plan map). Describe.

---



---



---



---

- f. Potential hazards are present within the burn area:  
e.g.: power lines, snags, structures, etc. (show on plan map)  
yes                      no

If yes, explain precautions:

---

Title 190 – National Plant Materials Manual

---

---

---

---

**E. Adjacent Areas (outside of burn area):**

1. Special precaution areas: e.g. leaf litter, dry grass, roads, structures, smoke dispersion, etc.

\_\_\_\_\_

(show on plan map)

Precautions needed:

\_\_\_\_\_

2. Backup or secondary firebreak locations: (identify)

\_\_\_\_\_

**F. Equipment/Personnel Needs:**

1. Safety equipment:

\_\_\_\_\_

2. Tools/equipment needed for burn:

rakes            swatter            torches            pumper truck

backpack pump

other: \_\_\_\_\_

3. Personnel needed for burn:

\_\_\_\_\_

4. Water needs: filling source            portable tank

**G. Special considerations:**

1. Precautions to prevent fire escape: \_\_\_\_\_

2. Suppression plan if fire escapes: \_\_\_\_\_

3. Patrol and mop-up plan: \_\_\_\_\_

**H. Emergency Phone Numbers:**

1. Local fire department: \_\_\_\_\_

2. Sheriff: \_\_\_\_\_

**I. Reviews and Approvals**

Technical Review

Plan Prepared By: \_\_\_\_\_

Date: \_\_\_\_\_

Plan Checked By: \_\_\_\_\_

Date: \_\_\_\_\_

Approved By (burn boss): \_\_\_\_\_

Date: \_\_\_\_\_

Administrative Approval

NRCS STC/SRC \_\_\_\_\_

Date: \_\_\_\_\_

Landowner: \_\_\_\_\_

Date: \_\_\_\_\_

## PRESCRIBED BURN PLAN MAP

(USE AERIAL PHOTOS IF SCALE IS APPROPRIATE)



(IDENTIFY LAND USE IN ADJACENT FIELDS)

### LEGEND

Approximate Scale: \_\_\_\_\_ inches = mile

B-B-B-B-B	Burned Firebreak	W	Water source
P-D-P-D-P	Plowed/Disked Firebreak	(A, B, etc.)	Firing crews
S-G-S-G	Short Grass Firebreak	(1, 2, etc.)	Firing sequence
M-M-M	Mowed Firebreak	(A1) → → →	Firing direction
—WIND—	Wind Direction		

Other legends or information: \_\_\_\_\_

Plan prepared by: \_\_\_\_\_ Date: \_\_\_\_\_

Plan checked by: \_\_\_\_\_ Date: \_\_\_\_\_

Landowner: \_\_\_\_\_ Date: \_\_\_\_\_

### PREScribed BURN APPLICATION

PMC: \_\_\_\_\_ Date: \_\_\_\_\_

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

Contact: \_\_\_\_\_

Acres to burn: \_\_\_\_\_ Planned date of burn: \_\_\_\_\_

Location: County: \_\_\_\_\_ Township: \_\_\_\_\_ Range: \_\_\_\_\_

Section: \_\_\_\_\_ Legal Description: \_\_\_\_\_

**A. Preburn Checklist: (day of burn)**

- |     |  |                                  |                  |
|-----|--|----------------------------------|------------------|
| 1.  | Weather forecast favorable                 | yes                              | no               |
| 2.  | Necessary firebreaks constructed           | yes                              | no               |
| 3.  | Potential hazards accounted for            | yes                              | no               |
| 4.  | Special precaution areas noted             | yes                              | no               |
| 5.  | Backup/secondary firebreak locations noted | yes                              | no               |
| 6.  | Safety equipment adequate                  | yes                              | no               |
| 7.  | Tools/equipment onsite                     | yes                              | no               |
| 8.  | Personnel needed available                 | yes                              | no               |
| 9.  | Special considerations reviewed with crew  | yes                              | no               |
| 10. | Actual weather at burn:                    |                                  |                  |
|     | Temperature _____                          | Humidity _____                   | Wind Speed _____ |
|     | Cloud Cover _____ %                        | Fronts or changes expected _____ |                  |
| 11. | Appropriate neighbors informed             | yes                              | no               |
| 12. | Notification of units of government made:  | yes                              | no               |
|     | Local fire department (phone) _____        |                                  |                  |
|     | USFS (phone) _____                         |                                  |                  |
|     | Sheriff (phone) _____                      |                                  |                  |
|     | DNRC (phone) _____                         |                                  |                  |
|     | Other: (phone) _____                       |                                  |                  |
| 13. | Necessary permits obtained                 | yes                              | no               |
| 14. | Test burn performed as expected            | yes                              | no               |

**Do not proceed if any of these responses are checked "no."**

Checked by: \_\_\_\_\_ Date: \_\_\_\_\_



