

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

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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:

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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: _____

B. Post Burn Evaluation: (day of burn)

- | | | | | |
|----|--|------------------|-----|------|
| 1. | Burning method used: _____ | | | |
| 2. | Start time of test burn | beginning time | am | pm |
| | | Mop-up completed | am | pm |
| | | ending time | am | pm |
| 3. | Observed change in weather conditions during the burn:

_____ | | | |
| 4. | Fire behavior: (check any that apply) | | | |
| a. | Spotting: | one | few | many |
| b. | Difficult to control | | yes | no |
| c. | Convection column | | yes | no |
| d. | Fire whirls | | yes | no |
| 5. | Objective of burn met: _____ | | | |
| 6. | Post-burn management plan (additional treatment needs):

 | | | |
| 7. | Future burn needed: | | yes | no |
| | estimate when: | | | |
| 8. | Other comments: | | | |

Checked by: _____ Date: _____

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

C. Follow up Evaluation: (60-90 days after burn)

1. Objectives of burn met:

2. Post-burn management plan (additional treatment needs):

3. Future burn needed: yes no If yes, when? _____
For what purpose?

4. Other comments: