PRESCRIBED BURNING MANAGEMENT PLAN

Ranch/Farm _____ **Acres to be burned** _____

Pasture/Field _____ **Class of burn** _____
Name and Number

I. SPECIAL OBJECTIVES TO BE ACCOMPLISHED THROUGH THE PRESCRIBED BURN :

II. GRAZING MANAGEMENT OBJECTIVES NEEDED TO ACCOMPLISH THE PRESCRIBED BURN AND MEET OBJECTIVES :

A. Preburn :

B. Postburn :

III. FIRE MANAGEMENT PLAN

A. Fire Boss : _____

B. Type and dimensions of fireguards and blacklines :

C. Firing method for blacklines and main fire (type of ignition, direction of torch movement, etc.) :

D. Plan of action should fire jump fireguard and/or blacklines or wind change direction :

E. Map : (include items such as legend, water sources, roads, gates, north arrow and smoke mgt. if necessary)

Prescribed Burning Management Plan (continued)

F. Projected dates of preparation or burning

	Fireguard	Blacklines	Prescribed Burn
1. Planned :	From _____ to _____	From _____ to _____	From _____ to _____
2. Actual :	From _____ to _____	From _____ to _____	From _____ to _____

G. Time of day to burn

	Blacklines	Prescribed Burn
1. Planned :	_____	_____
2. Actual :	_____	_____

H. Weather conditions (Prescription)

1. Wind

	Blacklines	Prescribed Burn
a. Velocity Needed	_____ Actual _____	Needed _____ Actual _____
b. Direction Needed	_____ Actual _____	Needed _____ Actual _____

2. Relative Humidity

	Blacklines	Prescribed Burn
a. Needed	From _____ % to _____ %	From _____ % to _____ %
b. Actual	From _____ % to _____ %	From _____ % to _____ %

3. Air Temperature

	Blacklines	Prescribed Burn
a. Needed	From _____ ° F to _____ ° F	From _____ ° F to _____ ° F
b. Actual	From _____ ° F to _____ ° F	From _____ ° F to _____ ° F

Prescribed Burning Management Plan (continued)

4. Forecast

National Weather Servcie Number	**830-606-3617**

Weather forecast - (24 hour, day of burn)

Weather forecast - (3 days before and after burn)

5. Moisture

Blacklines

	Needed	Actual		
a. Soil Surface (enter Dry, Damp, or Wet)		Dry	Damp	Wet
b. Soil Subsoil (enter Dry, Damp, or Wet)		Dry	Damp	Wet

Prescribed Burn

	Needed	Actual		
a. Soil Surface (enter Dry, Damp, or Wet)		Dry	Damp	Wet
b. Soil Subsoil (enter Dry, Damp, or Wet)		Dry	Damp	Wet

I. Fine fuel conditions

Blacklines

	Planned	Actual
1. Amount (lbs./ac.)		
2. Continuity (enter Good, Fair, or Poor)		
3. Fine Fuel Moisture %		
4. Dry Woody Fuel Moisture %		
5. Green Juniper Moisture %		

Prescribed Burn

	Planned	Actual
1. Amount (lbs./ac.)		
2. Continuity (enter Good, Fair, or Poor)		
3. Fine Fuel Moisture %		
4. Dry Woody Fuel Moisture %		
5. Green Juniper Moisture %		

Prescribed Burning Management Plan (continued)

J. Equipment checklist

1. Pumper truck _____
2. Drip torch(es) _____
3. Fire weather kit _____
4. Tractor / Maintainer _____
5. Two-way radios _____
6. Gas (40%) Diesel (60%) _____
7. ATV spray rigs _____
8. Flappers _____
9. Drinking Water _____
10. Livestock Sprayers _____
11. Sprayer Fuel _____
12. Leaf Blowers _____
13. Flagmen _____
14. Flags for flagmen _____
15. NOAA radio _____
16. Matches or lighter (Strike anywhere) _____
17. Backpack Sprayers _____
18. All cotton clothing _____
19. Shovel(s), pliers, rakes, chain saw _____
20. Cellular phone _____

K. Preburn protection needs

1. Remnant Livestock _____
2. Feeders _____
3. Pens and Barns _____
4. Utility Poles _____
5. Oil / gas / pipelines _____
6. Fences _____
7. Hunting Facilities _____
8. Headquarters _____
9. Desirable wooded areas _____
10. Windmills _____
11. Water Storage Facilities _____
12. Special habitat areas _____
13. Haystacks _____
14. Equipment _____
15. Liability Insurance _____
16. Critically eroding areas _____
17. Livestock working facilities _____
18. Vehicles _____
19. Inspection of fireguards _____
20. _____

Remarks :

The numbers indicated above are minimum amounts. All burn crew members will wear flame resistant clothing (either cotton or wool), long sleeve shirts, and leather gloves and boots. Polyster or nylon will not be worn.

Prescribed Burning Management Plan (continued)

L. Crew members and responsibilities

Name	Responsibility	Reviewed with Crew Member

M. Notification of all appropriate people of the burn (landowner responsibility)

1. Adjoining Landowners

Name	Phone Number	Date Notified

Prescribed Burning Management Plan (continued)

Name	Phone Number	Date Notified

2. Fire Departments

3. Sheriff's Department

4. Utility Companies

5. Oil and Gas Leases

6. Texas Forest Service (Required in MLRAs 133B, 152)

Prescribed Burning Management Plan (continued)

7. Others

Name	Phone Number	Date Notified

N. "Mop up" after burning

	Who	Accomplished
1. Maintain close observation of the burned area until the fire is completely extinguished.		
2. Maintain contact with the weather station until the fire is extinguished.		
3. Take immediate positive action to insure safety of the fire should a dangerous change in the weather be forecast.		
4. Check perimeter for firebrand sources such as trees, posts, cow chips, logs, etc.		
5.		
6.		
7.		

O. Reviewed and approved

1. Planned by :

Conservationist	Authority	Date

2. Approved by :

Name	Authority	Date

P. This is to certify that the Natural Resources Conservation Service has informed me that I could be liable for damages resulting from this prescribed burn and the cost of fire suppression should the fire escape from the designated area.

Name	Date

Smoke Management Appendix

1. Determine Category Day

Transport Wind Speed (MPH)	X	Mixing Height (ft)	=	Ventilation Rate
	X		=	0

Category Day		Ventilation Rate	=	Guideline
1 - Poor		<14,500		No Burning
2 - Fair		14,501 - 29,000		No Burning til inversion lifts
3 - Good		29,001 - 58,000		Daytime after inversion lifts
4 - Very Good		58,001 - 117,000		Burning Anytime
5 - Excellent		>117,001		Excellent dispersal, Windy, Use Caution

2. Determine Screening Distance

Category Day		Screening Distance
1 - Poor		No burning
2 - Fair		5 miles
3 - Good		3-4 miles
4 - Very Good		2-3 miles
5 - Excellent		1-2 miles

3. Map Trajectory of Smoke Plume and Identify Smoke Sensitive Areas Within Screening Distance

Locate the area to be burned on a map and draw a line representing the centerline of the smoke plume. The length of the line should be greater than the screening distance. Draw an additional line to represent the predicted wind direction at the end of the burn if the burn will take a long period of time. To allow for horizontal dispersion of the smoke, as well as shifts in wind direction, draw two other lines from the fire at an angle of 30 degrees from the centerline(s) as in Figure B. Identify receptors that could be adversely affected by smoke production from the burn. If present recommend postponing the burn and waiting for a better Category Day or a more acceptable smoke trajectory. See http://shrmc.ggy.uga.edu/maps/screen.html for an online tool.

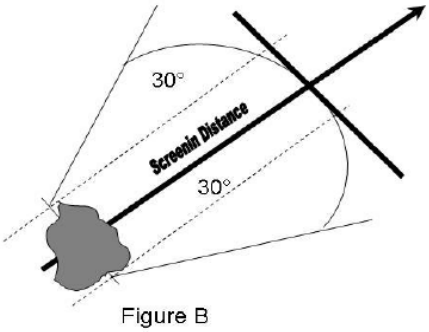

Figure B

Smoke Management Comments:

Sketch Map Below or include as attachment:

Attachment A

SPOTFIRE ATTACK