

Indiana Department of Natural Resources - Division of Forestry

PRESCRIBED BURNING PLAN

Property Name: Greene-Sullivan State Forest **County:** Greene & Sullivan

Management Unit: Reservoir 29 Dam **Sec:** 36 **Twp:** 7N **Range:** 8W

Projected Size of Burn 8 acres **Lat/Lon:** 39.00°N 87.24°W

Projected Date of Burn: February/April 2011

Description of Burn Unit (includes information on overstory, understory, fuel type and topography):

This area is short grass (fescue) and clover with scattered saplings.

Resource Management Objective of Burn:

Kill off invading woody vegetation.

History of Previous Burns (includes dates, results, wildfire or prescribed, etc.):

Area burned off in the spring of 2009, 2006, 2004, 2001, 1997, 1996, 1994 & 1992. The fires are controlling the spread of woody vegetation outside of the heavily rip-rapped areas.

Description of adjacent area (if significantly different in fuels, topography, etc.):

The east side has forested stripper hills. This area is mixed hardwoods with very little brush in the understory.

Special Considerations (include flora, fauna, safety, public not in agreement, etc.):

Safety area- The gravel road and adjacent rip-rap by reservoir 29 at the top of the dam will be a safe area.

Problem Areas could be a couple of areas with trees next to the grasses where mechanical or hand control lines will be established.

Ignition sequence- one torch will start at the top around the area and the second torch will start at the bottom around the area. The bottom torch should not pass the top torch. This area is open and keeping in visual contact should not be a problem.

Since this is a dam vegetation should not burn down into the soil.

Complexity of Burn based on Complexity Rating System (attach rating scale) (circle one):

Basic Complex

Acceptable Burning Parameters (minimum/maximum):

1. **Type of firing method (circle all appropriate):** backing flank ring strip
head head
2. **Allowable Rate of Speed (specify ft./min. Or ch./hr.)** 69-270 ch/hr
3. **Allowable Flame Length (feet)** 3.5-12
4. **Allowable Mid-Flame Wind Speed (mph)** 3-7
5. **Allowable Wind Direction (circle all appropriate):** N NE E SE S
SW W NW
6. **Relative Humidity (percent)** 30-55
7. **Temperature (degrees Fahrenheit)** 45-70
8. **Time of Year (circle all appropriate):** Spring Fall
9. **Fuel Moisture** 1 hr. TLFM 7-8 10 hr. TLFM (fuel sticks) 11-14
10. **Days Since Last Rain** 3-10

Pre-Burn Preparations Required:

Build 6 ft. disc line on south and north ends and a short section on the east side.

Equipment Needed:

- | | | | | |
|----------|----------------------|----------|---|------------------------------------|
| a. _____ | Dozers by Type | j. _____ | 3 | Backpack Pumps |
| b. _____ | Observation Aircraft | k. _____ | | Hose
Quantity(hose size _____) |
| c. _____ | Engines by Type | l. _____ | 2 | Drip
torches(slash fuel qty_5_) |
| d. _____ | Chainsaws & Fuel | m. _____ | 2 | Mobile Radios |
| e. _____ | Portable Pumps | n. _____ | 4 | Portable radios |
| f. _____ | 1 | o. _____ | | Fire Behavior
Printouts |
| g. _____ | Brush Cutter & Fuel | p. _____ | | Maps/Photographs |
| h. _____ | 3 | q. _____ | 3 | Flappers |
| I. _____ | Quadrunner | r. _____ | * | Other (specify) |
- * 2 4x4 pickups w/120 gal tank & 100 ft.
hose

Personnel Needed (include number and qualifications):

- 1 burn boss
- 1 holding specialist
- 2 firing specialist
- 2 crew members

NOTE: All personnel must wear all personal protective equipment as outlined in the Division of Forestry Wildland Fire/Prescribed Fire Policy.

Smoke Sensitive Areas within 10 Miles (specify type, distance and direction from site):

- Linton - NE 3.5 miles
- Dugger - N 4 miles
- Bucktown - W 1 mile
- Pleasantville - S 2 miles

Contingency Plan for Escaped Fire (only employees that meet physical fitness and training requirements can be utilized during active suppression):

Qualified personnel will suppress wildfire. Other personnel involved will hold prescribed fire line where appropriate. If this is not possible, personnel will retreat to a safe area.

Contacts:

Pre-Burn:

Contact	When	Who Will Do	How
Weather Service	Day before	Steve	TX
Fire Departments	Day before	Philomene	TX
Conservation Officer	Day before	Philomene	TX
County Sheriff	Day before	Philomene	TX
County Health	Day before	Philomene	TX
Local Residents	ASAP and day before	Steve	Personal

Burn Day:

Weather Service	AM	Steve	TX
All Cooperators	AM	Philomene	TX or Radio
Local Residents	AM	Philomene	TX or Personal
Fire Headquarters	AM	Philomene	TX or Radio

Spot Weather Forecast (circle source): NOAA Weather NWS Internet
Media(specify) Other(specify)

- | | |
|------------------------|-----------------------------|
| 1. Sky _____ | 6. Highest Temperature |
| 2. Precipitation _____ | 7. Lowest Relative Humidity |
| 3. Cold Fronts _____ | 8. Atmospheric Stability |
| 4. LASI _____ | 9. Wind Speed |
| 5. Wind Direction | |

Firing Techniques and Preparation

Attach a map or detailed drawing showing area to be burned, firebreaks, ignition sequence, equipment and personnel placement, roads, water supplies, etc.

PROJECT NAME: Reservoir 29 Dam
DATE: February-April

Complexity Point Record

<u>Matrix Item</u>	<u>Parameter Value</u>	<u>Severity Points</u>
1. Firing Technique	<u>backing</u>	<u>3</u>
2. Fuel Model Outside Unit	<u>9</u>	<u>2</u>
3. Unit Shape	<u>somewhat uniform</u>	<u>5</u>
4. Fuel Model of Burn	<u>1</u>	<u>6</u>
5. Unit Size	<u>8 acres</u>	<u>6</u>
6. Days Since Last Rain over 2"	<u>3 days</u>	<u>2</u>
7. Season of Year	<u>February/March</u>	<u>4-10</u>
8. Types of Control Line	<u>natural blackline</u>	<u>3</u>
9. Risk of Escape	<u>5-10%</u>	<u>3</u>
10. Values at Risk	<u>none</u>	<u>1</u>
11. Availability of Resources	<u>no fires other burns</u>	<u>1</u>
12. Dead Fuel Moisture (10 Hour Sticks)	<u>11-14</u>	<u>4</u>
13. Relative Humidity	<u>30-55</u>	<u>3-13</u>
14. Eye Level Windspeed	<u>2-12</u>	<u>1-4</u>
15. Temperature	<u>45-70</u>	<u>5</u>

Reservoir 29 Dam



