



# North Liberty Fire Department

## Operational Permit Application

### Open Burning – Native Prairie Burn Plan

**Applicant's Name:** \_\_\_\_\_

**Location (Address):** \_\_\_\_\_ **Burn Site Acres:** \_\_\_\_\_

**Latitude/Longitude ([Lat./Long Lookup](#)):**

#### A. Background Information

- 1) History of previous burn management:
- 2) Topography:
- 3) Vegetation description (*target species*):
- 4) Status of Threatened or Endangered Species: (Iowa law prohibits the taking of a listed species) ([See List](#))

#### B. Objectives

- 1) Objectives of the burn (*clearly state*):

#### C. Site Specific Information

- 1) Proposed & Alternate Burn Dates:
- 2) Preferred Temperature, Humidity, Wind Speed & Wind Direction for Burn:

Temperature		Relative Humidity		Wind Speed		Wind Direction	
Min	Max	Min	Max	Min	Max	Primary	Alternate
55 °F – 65 °F is Ideal		30 – 60% is Ideal		5 – 15 mph is Ideal		Away from Smoke Sensitive Areas	

- 3) Preferred Weather Conditions:
- 4) Minimum # of Personnel Need to Conduct the Burn: (Never Burn Alone)



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#### C. Site Specific Information (Continued)

- 5) Equipment needed: (Example: Water sprayer, backpack pump or garden hose, rakes, UTV, etc.)
  
- 6) Firebreak Preparation (If applicable, where, how, and who):
  
- 7) Location of nearest Water Supply:
  
- 8) Potential hazards/Safety concerns:

#### **Location to be burned** (*Attach map or Aerial photo*):

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##### **Attached map will include the following:**

- Location of site
- Property boundaries
- Access and Trails
- Burn Unit Boundary
- Smoke Sensitive Area (Roads, Housing, Businesses, Schools, etc.)
- All above ground utilities and other hazards
- Alternative local water source/dry hydrants
- Firebreaks
- Adjacent land use/fuels
- Proposed ignition pattern and sequence
- Projected Smoke Dispersion (Direction of Smoke):
  - Prairie burn (1 acre or less) = 0.25 miles from the burn area.
  - Prairie burn (> 1 acres -10 acres) = 1 mile from the burn area.