

Skiatook Oklahoma Community WildFire Protection Plan



Prepared by: Dale Parrish- Fire Chief

Robert C. Nail-Fire Marshal

Jennifer Bradshaw- Fire fighter/Medic

Dawn Crase- Skiatook Public Schools

Greg Bersche- Natural Resources Specialist; US Army Corp of Engineers, Skiatook Lake
project

Travis Miller- Natural Resources Specialist; US Army Corp of Engineers, Skiatook Lake
project

Dr. Kelly Hurt- Consultant, OK Department of Agriculture Forestry
Division

This community WildFire Protection Plan is a cooperative effort to improve wildfire protection and response. Those individuals listed on the following page comprise the core decision making team responsible for the development of this plan and mutually agree on the plan contents:

1) COMMUNITY BACKGROUND AND EXISTING SITUATION

Community Description:

County: Osage, Tulsa Latitude/Longitude: _____
Nearest Fire Department: Skiatook Fire/Rescue 112 North A
SFD 700 S. Lenapah

Community Size:

Population: 9,000 (2009 census) 2,942 school district
Number of lots: 568 Esimated acres: 9 square miles= 5,760
Development status: 105 plus years

Contacts:

Name: Martin Tucker- Town Coordinator
Address: PO Box 399
Phone number: (918) 396-2797

Resident Population:

- Full Time
 Part Time: 100-75% 75-50% 50-25% less than 25%

WildFire Hazard Rating:

- Low Moderate High Extreme

Date evaluates: January 8-9, 2010

Skiatook is a community surrounded by thousands of acres of wildlands. The immediate response area has vast terrain differences from square mile of rolling planes in Tulsa county to rough ridges surrounding Skiatook Lake Project of 20,000 acres in Osage county. The vegetation throughout the response area is consistently moderate to heavy with fuel loads from ground laddered to mature oaks by limbs fallen during the December ice storm. Recognizing the affects of the ice storm opening the canopy of the 'forest' area provides additional sunlight for growth of ground fuels-noting the fallen limbs are now cured and prime to burn.

Fire behavior in these fuel types is erratic and extreme during dry conditions when fuel moistures are low.

Research indicates the interface type is consistent intermix, where structures are sporadically located throughout the vegetation.

COMMUNITY HISTORY:

Over the past 15 years the community of Skiatook has been threatened several times by a number of large wildfires. Major fires like the wind driven 8,960 acre fire in 1996 that resulted in multiple residential structures and out buildings lost. To control that fire it took 10 fire departments and 150 personnel to abate the conflagration. During the early evening hours on November 25th, 2005 a 1,920 acres fire began and before it was quenched 4 residential structures were lost, displacing families from their homes. There have also been many smaller fires in the Skiatook area which did not directly impact the community, but were close enough to concern residents. In 2008 an escaped debris burn caused a 610 acre wildfire on Corps and private property. Due to actions of brave firefighters, Skiatook has escaped several near catastrophes with only minor property damages. The leading causes of wildfires in the Skiatook area includes farm equipment malfunctions and escaped debris burns. Because of the rural locations of the sub-divisions within the community and the proximity to large expanses of unmanaged property, attempts at prescribed burn operations have also resulted in wildfires near the community.

The Skiatook Community WildFire Protection Plan

AN ACTION PLAN FOR WILDFIRE MITIGATION
DATE: January 12, 2010

Prepared by: Robert C. Nail
Organization: Skiatook Fire Department
Contact Information:

Address- PO Box 399 Skiatook OK 74070
Phone- (918) 396-1313 or (918) 230-9052
Email - bnail@townofskiatook.com
Fax- (918) 396-3022

The following report is a cooperative effort between various entities. The representatives listed below comprise the core decision-making team for this report and mutually agree on the plan's contents.

Community Representatives:

Name- Dawn Crase
Address- 12066 Peters Lane, Sperry OK 74073
Phone number- (918) 284-7937

Name- Vicki Bradshaw
Address- 401 East Second, Skiatook Ok 74070
Phone Number- (918) 396-1611

Local Fire Department Representatives:

Name- Robert C. Nail
Address- 203 West 4th, Skiatook OK 74070
Phone Number- (918) 396-3117 or (918) 230-9052

Name- Chief Dale Parrish
Address- 16934 Stone Brook Rd, Skiatook OK 74070
Phone Number- (918) 798-2837

Name- Jennifer Bradshaw
Address- 401 East Second, Skiatook OK 74070
Phone Number- (918) 396-1611 or (918)520-7060

Local Oklahoma Division of Forestry Representative:

Name- Dr. Kelly Hurt
Address- _____
Phone Number- _____

The following federal and other interested parties were consulted and involved in the preparation of this report.

Name	Organization
Greg Bersche	US Army Corps of Engineers
Travis Miller	US Army Corps of Engineers

Overall Goal:

Reduce the wildfire threat to the homes, business and residents of the community of Skiatook through migration, prevention and education programs.

Specific WildFire Protection Objectives-

1. Establish buffer zone between municipal properties and Highway 11 on the east side, creating a buffer zone approximately 100' wide by 2640' long. By bulldozer, use of municipal heavy equipment.
2. Reduce vegetative fuel lands adjacent to municipal roads "Choctaw and Lenapah" utilizing prescribed fire and mechanical treatment. This will involve the establishment of a prescribed fire team- from volunteer ranks of the Skiatook Fire Department. These uncontrolled fuels are adjacent to public school buildings and State Highway 20 west.
3. Assist the US Army Corps of Engineers in a prescribed burning project to remove unwanted fuels adjacent to private property. Resulting in the mitigation of residential property loss from wildfire originating on Government land.
4. Provide hands on training for volunteer Firefighters on wildland/urban interface suppression tactics using NFPA 1002 standards. This will be training for approximately 50 career and volunteer Firefighters including 12 hours in active training.
5. Hold community meetings for all Skiatook area residents on mitigation project schedules preplanning for wildfires and structure protection measures community residents can take.

Proposed Community Hazard Reduction Priorities:

1. Assist homeowners identified by surveys based on current fuel load and urban interface modules in removal of unwanted fuel hazards by mowing and or prescribed burn operations with mechanical treatment.
2. Lead community clean up day and assist in removal of dilapidated vehicles from private property resulting in removal of hazardous fuels that tend to extend or magnify wildfires
3. Remove all unwanted fuels extending to ground (i.e. limbs from ice storm) by cutting and raising canopy by use of chain saws on public property adjacent to public schools.
4. Assist rural homeowners in removal of ice storm debris creating a buffer zone from government land to private property.

Community, Education Priorities:

1. Increase community knowledge of FireWise community principles.
2. Inform through local media plans for hazardous fuel reduction projects.
3. Reduce the number of human caused wildfires in and around the community through public education.
4. At all public events (i.e. chamber meetings, Pioneer Day, Independence Day celebration) have booths to promote FireWise hand outs for more information.

Proposed Structural Ignitability Reductions:

1. Educate and assist homeowners on roof and gutter debris removal by: providing ladders, man power and FireWise brochures.
2. Educate and assist homeowners of ground fuels adjacent to residential structures by: assisting in removal of old cars, trimming of bushes and provide FireWise brochures.
3. Educate and assist homeowners in providing fire department access to residential structures by cutting limbs along private drives that would prevent fire engine access.
4. Educate and assist homeowners with prescribed burning removal of debris piles by: assigning a 'prescribed fire team'.

ACTION PLAN

Improved Wildland Response Priorities:

1. Extended mapping-using wireless computers in command vehicles to identify, access Egress and available water resources. Money; 3 laptops (\$2250), program (\$1800) and wireless access (\$1800).
2. Upgrade communications equipment and purchase additional portable radios.
\$650
3. Purchase additional wildland gear for volunteer and career firefighters.
\$1800
4. Conduct wildland fire training for Skiatook and area firefighters.
50 @ 200= \$1000
5. Lead in community education campaign for Skiatook residents focusing on FireWise Communities and planned mitigation projects.
100 man hours @ 25 per hour= \$2500

Skiatook Fire/ Rescue Wildfire Pre-Suppression plan

Primary responsibility will follow the response guidelines for wildfire operations.

The following is a list of resources to be utilized for suppression.

The commanders must be mindful that all fires within the primary response area, will require different types of operations. These resources are not limited to terrain or weather, they are just a contact resource list to be considered when assistance is required to protect life and property. This list is in NO specific order the commander MUST use discretion !!!

Skiatook ----- Contact dispatch 155.340
Tanker 1 ----- 1000 gal 250 gpm pump
Tanker 2----- 1650gal 250 gpm pump
Squad 1----- 250 gal 250 gpm pump
Squad 2-----250 gal 250gpm pump
NOTE both squads have portable "Indian" pump packs and leaf blowers as well as hand tools
Tanker 2 Has Float A Pump 300gpm and 1250 portable tank

Sperry Fire Chief Sam Bradley-----918-724-1032 cell
Sperry Dispatch-----918-288-7772
Sperry tanker 2 -----2000gal 500gpm pump
Brush 1----- 250gal 250gpm pump
Brush 2 ----- 250gal 250gpm pump
Eng 1-----750gal 1250gpm pump

Country Corner RFD Chief Jim Massy -----918-695-7323 cell
Country Corner Dispatch -----918-288-8831
Radio frequency----- 154.040
"3" Grass units all 300gal with 250gpm '2' have portable class "A" foam
Tanker 1-----1650gal 250gmpump

Collinsville Rural Fire Protection District Chief :Jimmy Wilson
Rural Tanker -----1750gal 250gpm
Rural Brush 1----- 300gal 250gpm

Morgan's Corner Volunteer Fire Department---Chief John Blakney 918-521-0896 cell
MCFD Dispatch-----918-396-3222
Morgan's 1 Tanker ----- 3500gal Dump Only
MCFD Squad 1 ----- 300gal 125gpm
MCFD Squad 2----- 200gal 125gpm

Avant Fire----- Chief Bob Adams 918-948-2438 cell
Avant Fire Phone ----- 918-263-2600
Brush 1 ----- 250gal 125gpm
Tanker army 5ton with winch -----600gal 250gpm

Black Dog Fire District-----Chief Paul Reeves918-271-1717
Black Dog Dispatch -----918-425-3200
Black Dog T1 -----2500gal 250gpm

Black Dog has '2'brush type units both have 250gal 250gpm pumps
All BDFD Trucks have portable "Indian" pump packs and hand tools

Bureau Indian Affairs Fire Osage Nation Fire Chief Dana Cook 918-724-1434
BIA Fire has bulldozers under contract also they have spotter planes based at McAlester
And Bartlesville, "this air support system can contact suppression planes "
Other Numbers For BIA Contact 918-724-5487 Clint Davis
Pilot Simmion-----918-441-9633

Skiatook lake Project COE 918-396-3170
Rangers-----918-520-3544 Greg
-----918-520-3545
-----918-766-6289 Lindsey

CWPP

Time tables

Mapping 3 wireless units are in operation using archview program linked to 911 center Osage County Sheriff Office

June 2010 communication Equipment " Radios Pagers" specs completed

Wild land gear specs complete assistance provided by BIA through mutual aid agreement with Osage Nation Fire

Continued education / Training of Volunteer firefighters in area "mutual aid agreement" all students taught to 1501 standards Last class complete May 2010 total students" 44"

Continued Education of citizens of community / Home Owners/School Pub-Ed program/ Chamber of Commerce events

Assessment

The program effectiveness evaluation process has consisted of

"A" Records keeping of man hours of wild land suppression operations with noted reduction of emergency operations for these types fires

"B" Reduction of money expended for emergency response "saleries&overtime"

"C" Expense for equipment / repair reduced

Wildfire Pre-Suppression Plan

Incident Command for response within the Skiatook area is initially "mobile command"

This is an effective operation due to the command vehicles having wireless computers with mapping of public water resources and "static" water resources identified

Incident Staging Area Location

Staging is done by need / Incident command guidelines and SOPs require a staging officer using the NIMS guidelines, if Staging ops are utilized

Medical Unit Staging

Skiatook Fire/Rescue provides 2 ALS Ambulances with SOP criteria for wildfire stand by under specific hazard situations like ambient heat excess 90 degrees or multi operation periods

First Alarm Response

Skiatook Fire / career staff " 60seconds out the door from alarm received " first unit on scene within district 90seconds to 6 minutes

Second Alarm

Refer to Pre suppression Plan

Sperry FD	5miles
Country Corner	6miles
Morgan's Corner	7miles
Collinsville Rural	9miles
Avant FD	11miles

Fixed Wing Air Support

Okla. OEM
405-206-0872
BIA spotter plane
918-441-9633

OKC

McAlester

H2O resources

RWD Jimmy Seago mgr cell 918-527-4125

Communications

All area departments operate under FCC license on VHF high frequency State Fire Net which provides for INTEROPERABILITY

The Skiatook Police Department provides a central dispatch area with "3" com center dispatch stations
A mobile command unit is shared with Skiatook Police Department this unit has self contained power and radios / cell phones / and wireless computers with duplicate mapping of the area.

Evacuation

State Highways 20 11 and 75 with paved county roads provide sufficient resources to remove citizens from the area on a timely basis



FIRE

DEFENSE

RURAL

COOPERATOR



OKLAHOMA

FORESTRY SERVICES

MANAGEMENT

PROTECTION

STATE DEPARTMENT

OF AGRICULTURE