NORTHEAST AIR ALLIANCE

SMOKE MANAGEMENT PLAN

For

Butte, Lassen, Modoc, Plumas, Shasta, Siskiyou, Tehama

In accordance with the Air District's Smoke Management Program, this Smoke Management Plan (SMP) is to be completed by the applicant and submitted to the appropriate Air District Official as part of the overall burn plan review process. Once approved by the Air District, this SMP serves as a conditional permit to burn, when used in conjunction with its standard single-page Permit to Burn.

This SMP is required for all prescribed burns (Forest Management, Range Improvement and Wildland Vegetation Management Burning) conducted by land managers within the area encompassed by the Northeast Air Alliance (NEAA). This SMP is **NOT** required for prescribed burn projects less than ten (10) acres in size.

The information required herein is considered the minimum needed to effectively evaluate the effectiveness of smoke management efforts. Individual Air Districts may require supplemental information if the proposed prescribed burn project is:

- 1. Extremely large,
- 2. Likely to adversely impact Smoke Sensitive Areas (SSA's), such as Class I air sheds,
- 3. Likely to have multi-jurisdictional smoke impacts, or
- 4. Contains other site-specific complexities, which would require the need for further information.

Information may need to be extracted from the project burn plan on an infrequent basis in order to supplement the SMP. The Air District assumes no approval authority or liability for individual, project-specific burn plans. The Permittee is responsible for ensuring firefighter and public safety and all other plan elements, which pertain to matters not related to smoke management.

The terms used in this SMP have the same meaning as those defined in the Air District's open burning regulations or the California Code of Regulations, Title 17, Section 80101. Where differences occur, the Air District's definitions apply.

October 2010

I. GENERAL INFORMATION

A. Permittee Name and Organization:	
Fire Manager/Burn Boss Name:	Phone:
Fax:	E-Mail Address:
Mailing Address:	
B. Project Name:	
C. Project Number:	D. Total Acres:
E. Legal Location: Township:	Range: Section(s):
F. Air Quality Management District:_	
G. Indicate the category which best de	escribes the prescribed burn project:
practice to remove forest debris of silvicultural practices, or forest properties. 2. Range Improvement wildlife, game or livestock hab previously uncultivated land. 3. Wildland Vegetation In public agency, or through a coopublic agency, to burn land predection in the fire can be considered a present the fire can be considered a present silving after consultation with the Air Ditthe fire can be considered a present silving after consultation with the Air Ditthe fire can be considered a present silving after consultation with the Air Ditthe fire can be considered a present silving after consultation with the Air Ditthe fire can be considered a present silving after consultation with the Air Ditthe fire can be considered a present silving after consultation with the Air Ditthe fire can be considered a present silving after consultation with the Air Ditthe fire can be considered a present silving after consultation with the Air Ditthe fire can be considered a present silving after consultation with the Air Ditthe fire can be considered a present silving after consultation with the Air Ditthe fire can be considered a present silving after consultation with the Air Ditthe fire can be considered a present silving after consultation with the Air Ditthe fire can be considered a present silving after consultation with the Air Ditthe fire can be considered as present silving after consultation with the Air Ditthe fire can be considered as present silving after consultation with the Air Ditthe fire can be considered as present silving after consultation with the Air Ditthe fire can be considered as present silving after consultation with the Air Ditthe fire can be considered as present silving and can be considered as present silving and can be considered as present silving as a consultation with the Air Ditthe fire can be considered as present silving as a consultation with the Air Ditthe fire can be considered as present silving as a consultation with the Air Ditthe fire can be considered as present silving as a consu	Burning: Use of open, outdoor fires to remove vegetation for itat or for the initial establishment of an agricultural practice on Management Burning: Use of prescribed burning conducted by a perative agreement with a private manager or contract involving a burninately covered by chaparral (as defined in The California Code of of 1.1), trees, grass, or standing brush. *Resource Benefits: Use of naturally occurring fire (i.e. lightning) chieve resource management objectives. NOTE : When a Wildfire ial "go/no-go" decision to manage the fire will be a "no-go" unless, strict, the Air District decides, for smoke management purposes, that scribed fire. A SMP must be submitted within 72 hours of project are expected to exceed 10 acres in size. The Wildfire protocol is
II. PROJECT INFORMATION	
A. Acres by Type of Burn	
1. Machine Pile Burn	2. Hand Pile Burn
3. Landing Pile Burn	4. Broadcast Burn
5. Understory Burn	<u> </u>
B. Predominant Vegetation Type (che	eck all that apply)
1. Brush 2. Grass	3. Timber Litter 4. Timber Slash
C. Desired Season of Project:	Acceptable Alternative:
D. Spot Weather Forecast Required?	YES NO

E. Proj	ect/Unit Elevati	on (feet): To	p:	Bottom:	
F. Dur	ation of Burn:				
	 Ignition Burndown Total 				
G. Dry	ring time require	d for hand an	d machine piles:		Days
III. EN	MISSIONS EST	TIMATES			
A.	Total estimated	particulate n	natter (PM 2.5 or Pl	И 10):	Tons
B.	Optional: Estin	nate of Tons/A	Acre by Vegetation	Type:	
IV. W	IND PRESCRI	PTION			
A.		-		f wind is the directionUnacceptable	wind is coming from)
B.	Wind Direction >20 Feet: Ideal		Acceptable	Unacceptable	
C.	Identify potenti	al meteorolog	gical conditions tha	would inhibit acceptab	ole smoke dispersion:
Smok indica smok that recon Fire test b weath upon	ke dispersal survated. If the project esensitive areas, would continue nmended that the Weather Center. Yourn shall be conter and surveillant request. Balloon	reillance and et is conducted smoke monito burning or probability. Burner obtain The Internet wild ducted on a significant cerecords shared and the RAWS	near smoke sensitive ring is required on all roducing smoke oven a current Smoke Teb address is http://granll.portion.of the project Aircraft	accomplished by the for areas or if the smoke from a projects over 250 acres/ornight or as required by transport and Stability For acc.nifc.gov/oncc/predict project area prior to project folder and be available	
	Weather Foreca	ast	Hygrothermograp	h Belt Weat	her Kit
	Other				
В.	Method/Locatio	n of Visual M	Ionitoring		
C.	Interval Betwee	n Dispersal M	Ionitoring Observat	ions:	

VI. IDENTIFICATION OF SMOKE SENSITIVE AREAS (SSA's)

Smoke Sensitive Areas (SSA's) include, but are not limited to the following: population centers (towns, villages, home sites, subdivisions), hospitals, schools, daycare centers, nursing homes, shopping centers, populated recreation areas, well attended public events, major roads, airports, Class I Areas, and may include campgrounds and trails extensively used by recreationalists.

to impact Smoke Smoke Sensitive		(List below) <u>Distance and dire</u>	YES ction from burn	NO
	Area	Distance and dire	ction from burn	
to impact another	AQMD or State	(Oregon or Nevada)?	YES	NO
		n more than one AQMD?	YES	NO
us history of adver	se smoke impact	ts? (does not imply disapprov	al of project)	
NO	If yes, list	examples:		
UATION OF ALT	TERNATIVES	TO BURNING		
tal Quality Act (CE by of the applicable	QA) requirements section of the en	s, will be considered to have con	nplied with this pattached to this S	provision SMP or a
	ATIONS ing mitigation mea burning to hours be between ional/other mitigat VATION OF ALT which have met a stal Quality Act (CE by of the applicable	ATIONS ing mitigation measures shall be in burning toAcres/Piles per whours between ignition of between andional/other mitigation measures: UATION OF ALTERNATIVES which have met applicable Nation ital Quality Act (CEQA) requirements by of the applicable section of the error.	us history of adverse smoke impacts? (does not imply disapprove NO If yes, list examples:	ATIONS ing mitigation measures shall be implemented: burning toAcres/Piles per day (Circle appropriate measure) whours between ignition of Piles/Units. Check here if not applicable between and Hours. (Use military time) ional/other mitigation measures: UATION OF ALTERNATIVES TO BURNING which have met applicable National Environmental Policy Act (NEPA) or one atal Quality Act (CEQA) requirements, will be considered to have complied with this pay of the applicable section of the environmental document can be attached to this Section of the environmental document can be attached to

IX. CONTINGENCIES

ll be provided for the items checked below.
Halt ignitions, except as needed to maintain control of fire
_ Allow fire to burn to contingency control lines
_ Suppress fire
Begin immediate mop up
Begin mop up within hours of problem identification
Complete mop up within hours of initiation
_ Discontinue mop up if favorable conditions return
Other (Explain):
ctions checked below will be taken in order to advise the public and known sensitive receptors bed burning will be conducted in their vicinity and to assure the public that measures will be simize the smoke impacts. Describe Activity and Timing
ndio
ewspaper
elevision
sters/Flyers/Letters
rsonal Contact
gning at Appropriate Sites
her (Explain)
· 1

C. Neighboring Burner Coordination

- 1. A minimum of 1 day prior to anticipated ignition, all burners shall forward to the NEAA e-mail list the following information: (This will be done ASAP when a Wildfire managed for resource benefits is expected to exceed 10 acres in size.)
 - Name of project
 - Agency conducting burn with contact info
 - Legal location, county, and landmark of burn
 - Type of burn
 - Total acreage / estimated acres per day
 - When the burn is planned
 - Duration of ignition given in days
 - Estimated direction of smoke travel
 - Communities or Smoke Sensitive Areas that could be impacted (if any). Smoke Sensitive Areas are defined in Section VI of this SMP.
- 2. Participate in the 1300 Burn Conference Call a minimum of 1 day prior to burning with daily representation during the burn.

Phone in #: 1-877-874-5440 Passcode: 357238

XI. COMPLAINT PROCEDURES

A. Any complainant must give specific information concerning smoke complaints. Refusal by the complainant to provide essential information to officials regarding smoke impacts could minimize the urgency and validity of the individual complaint. The person receiving a smoke complaint should make a good faith effort to obtain the following information:

Name, location, phone number, a short description of the situation, the areas affected by the smoke, whether people are physically suffering from smoke exposure and whether there is a public safety concern due to reduced visibility.

- B. All smoke-related complaints shall be forwarded as soon as possible to the Air District office, but no later than 24 hours after the receipt of the complaint.
- C. The Air District will forward to the appropriate burners any smoke-related complaints, which are received at the Air District office as soon as possible, but no later than 24 hours after receipt of the complaint.
- D. A log of all complaint calls related to burn projects shall be kept in the project file for a period of no less than one year after completion of the specific project.

XII. CONTACTING RESPONSIBLE OFFICIALS

DO NOT DISPLAY PERSONAL PHONE NUMBER INFORMATION IN BURN OR SMOKE PLANS! Make available to the Air District the names of Prescribed Fire Manager/Burn Boss/Incident Commander and how they can be reached at all times (See General Information Section I.A.2). Include cell phone numbers, pager numbers, dispatch number and any other pertinent contact information. Burners are required to contact the Air District on a daily basis to verify that conditions are still favorable when implementing multi-day projects.

XIII. CERTIFICATION

If the burn project is to be implemented for wildlife and game habitat improvement, the Applicant shall file with the Air District a statement from the California Department of Fish and Game certifying that the burn is desirable and proper. The statement shall also specify if any brush treatment or other desired objective is required by the California Department of Fish and Game.

XIV. MAPS

A map must be attached to this Smoke Management Plan that identifies nearby smoke sensitive areas, burn unit perimeters, available interior control lines (if suitable for this project), and areas subject to smoke inversions due to the burn project. Also, the map must indicate estimated path of unacceptable smoke transport.

XV. REPORTS

For fires greater than 250 acres, a post-burn smoke management evaluation/summary is required to be kept in the project folder. The post burn smoke management evaluation may be subject to review by the Air District.

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XVI. APPROVALS

NAME OF PROJECT	

A. Smoke Management Plan

Submittal of this Smoke Management Plan (SMP) acknowledges that ignition of this burn project will not occur unless all conditions and requirements as stated in this SMP are met prior to ignition on the day of the burn event, the ARB and the Air District have both declared the day to be a burn day, and the Air District has authorized the burn on the day of the burn. It is the responsibility of the burner to participate in regional burn coordination. Mitigation measures as identified in Section VII shall be implemented as needed to reduce smoke impacts based on cumulative smoke levels in the region of this burn project.

1. Prepared By:	2. Title	
3. Preparer's Organization:		
4. Preparer's Signature:		
B. Air District SMP Decision		
Air Quality Management District name:		
2. Approved as Submitted By:	Date:	
3. Approved with changes or conditions by:	Date:	
4. ARB Notification by: Date:		
5. Document Changes or Conditions:		
6. Disapproved as Submitted by:	Date:	
For the Following Reasons:		

SMOKE MANAGEMENT PLAN NOTES and ACTION LOG

<u>DATE</u>	<u>ACTION</u>