GREAT BASIN UNIFIED APCD APPLICATION TO APPROVE SMOKE MANAGEMENT PLAN

In accordance with the Smoke Management Program for the Great Basin Unified Air Pollution Control District (Air District), this Smoke Management Plan (SMP) serves as an application for SMP approval to comply with Air District Rule 411.C. This SMP application is to be completed by the applicant and submitted to the Air District for review and approval at least 30 days prior to performing the proposed prescribed burn. This SMP application consists of a Project Description page and two sections – A and B. **ALL APPLICANTS MUST COMPLETE THE PROJECT DESCRIPTION PAGE (page 3).** Both sections A and B of the SMP (**pages 5-9**) may need to be completed depending on the burn's potential to impact smoke sensitive areas and the size of the burn. Once approved by the Air District, this SMP serves as a conditional approval to burn.

General Information and Requirements regarding this SMP are provided on **pages 1 and 2**. Terms used in this form have the same meaning as those defined in the Air District's Rule 101 or the California Code of Regulations (CCR), Title 17, Section 80101. Where differences occur, the Air District's definitions apply. **Emission Factors** to assist with calculating burn particulate matter emissions are provided on **pages 11 and 12**. Contact the Air District at (760) 872-8211 if you have questions or need assistance with making these calculations.

The **District Review (page 2)** is for Air District use only, but must be kept intact with the Project Description. The **Project Description** section (pages 3 and 4) requests general information and identifies conditions for all prescribed burn projects. It identifies the applicant and relevant contact information, who the land owner is, the project name, project location, burn size, purpose of the burn, type of fuel to be burned, and estimated emissions from the burn. It provides a checklist of additional sections of the SMP that may be filled out and attached. Finally, it requests the preparer's signature, the name of the applicant or authorized representative, and the applicant or authorized representative's signature.

Section A (pages 5-7) must be completed and attached to the Project Description page if the burn has the potential to result in impacts to smoke sensitive areas. Smoke sensitive areas are defined as "populated areas and other areas where the Air District determines that smoke and air pollutants can adversely affect public health or welfare." Such areas can include, but are not limited to, towns and villages, campgrounds, trails, populated recreational areas, hospitals, nursing homes, schools, roads, airports, public events, shopping centers, and Class I Areas (areas that are mandatory visibility protection areas designated pursuant to section 169A of the federal Clean Air Act). Class I Areas in, or near, the Great Unified APCD include; South Sierra Wilderness, John Muir Wilderness, Ansel Adams Wilderness, Mokelumne Wilderness, Yosemite National Park, Kings Canyon National Park, and Sequoia National Park.

Section B (pages 8 and 9) must be completed and attached to the Project Description page if the burn will be greater than 100 acres or will produce more than ten tons of particulate matter. Section B identifies meteorological conditions necessary for ignition, contingency actions that will be taken if smoke impacts begin to occur from the burn, and information on consideration and use of alternatives to burning. A **Post-Burn Evaluation** form is provided on **page 10**. This form is to be used for burns greater than 250 acres or for burns that result in impacts to smoke sensitive areas. It should be filled out after the burn, as appropriate.

Information may need to be extracted from the project burn plan (if available) to supplement the SMP. Air District review of the burn plan is for informational purposes only. When the burn plan is reviewed, the Air District assumes no approval authority or liability for approving the burn plan. The applicant is responsible for assuring firefighter and public safety, which is not the intent of the information included on this form.

General Information and Requirements

SMP Conditions Must Be Met on the Day of the Burn (CCR § 80160(j))

The land manager or his/her designee conducting a prescribed burn is required to ensure that all conditions and requirements stated in the smoke management plan are met on the day of the burn event and prior to ignition. Ignition of a burn project will not occur unless the Air District has authorized the burn for the day of the burn. [Note: CCR § 80120(e) and Air District Rule 411.B.2 provide that the Air District may, by special permit, authorize agricultural burning, including prescribed burning, on days designated by the ARB as no-burn days if the denial of such permit would threaten imminent and substantial economic loss.]

Conditions of Vegetative Material to be Burned (CCR §§ 80160 (m - p))

Material should be:

- in a condition that will minimize the smoke emitted during combustion when feasible, considering fire safety and other factors
- piled where possible, unless good silvicultural practices or ecological goals dictate otherwise
- prepared so that it will burn with a minimum of smoke

Description of Burn Types

Forest Management Burning is the use of open fires, as part of a forest management practice, to remove forest debris or for forest management practices which include timber operations, silvicultural practices, or forest protection practices.

Range Improvement Burning is the use of outdoor fires to:

- remove vegetation for wildlife or game habitat
- remove vegetation for livestock habitat
- remove vegetation for the initial establishment of an agricultural practice on previously uncultivated land

Wildland Vegetation Management Burning is the use of prescribed burning conducted by a public agency, or through a cooperative agreement with a private manager or contract involving a public agency, to burn land predominantly covered with chaparral (as defined in Title 14, CCR §1561.1), trees, grass, or standing brush.

Determination of Smoke Sensitive Areas

Smoke sensitive areas are defined as "populated areas and other areas where the Air Pollution Control Officer (APCO) determines that smoke and air pollutants can adversely affect public health or welfare." Such areas can include, but are not limited to, towns and villages, campgrounds, trails, populated recreational areas, hospitals, nursing homes, schools, roads, airports, public events, shopping centers, and Class I Areas (areas that are mandatory visibility protection areas designated pursuant to section 169A of the federal Clean Air Act. If a burn is near a populated area, has potential for substantial emissions, has a long duration, or has the potential for poor smoke dispersion, a smoke sensitive area could be impacted and Section A of the SMP should be completed. Burners may obtain Air District assistance in determining if Section A should be completed.

Procedures to Report Public Smoke Complaints to the Air District (CCR § 80160(I))

- 1. The applicant shall immediately report any air quality smoke complaints received about this burn project to the Air District. A phone call to the District during normal seasonal business hours will suffice. During non-business hours a fax or voicemail message will suffice [(760) 872-6109 (fax), 872-8211 (voice)].
- 2. The complaint report shall include the following: the location of the smoke impact, a short description of the smoke behavior including wind direction and speed, visibility, and public safety impacts if available

Page 2

from the complainant.

- 3. The applicant shall inform the complainant that he or she may also contact the District directly and shall provide the District name, telephone number and address.
- 4. The applicant shall, in coordination with the Air District, seek resolution for all complaints, as necessary.

Natural Ignition on a No-burn Day (CCR § 80160(h))

When a natural ignition occurs on a no-burn day, the initial "go/no-go" decision to manage the fire for resource benefit will be a "no-go" unless:

- 1. After consultation with your Air District, the Air District decides, for smoke management purposes, that the burn can be managed for resource benefit; or
- 2. For periods of less than 24 hours, a reasonable effort has been made to contact the Air District, or if the Air District is not available, the Air Resources Board (ARB); or
- 3. After 24 hours, the Air District has been contacted, or if the Air District is not available, the ARB has been contacted and concurs that the burn can be managed for resource benefit. A "no-go" decision does not necessarily mean that the fire must be extinguished, but that the fire cannot be considered as a prescribed fire.

Holidays and Sundays Are No Burn Days for Prescribed Burning in the Great Basin Unified APCD (District Rule 411.C.17)

Prescribed burning is not allowed on Sundays, the last Saturday in April, or legal holidays, except for multi-day burns that cannot be reasonably treated on other days.

FOR GREAT BASIN UAPCD REVIEW (For District Use Only)				
	I have reviewed and approved this SMP as a conditional approval, which expires on			
	This burn project is greater than 250 acres and/or is a multi-day burn which requires ARB consultation prior to final approval pursuant to CCR § 80160(g)).			
	Date ARB Notified: Date ARB approval received:			
Smoke from this fire is expected to impact the following non-attainment or maintenance areas:				
Conditions of Approval:				
Signature: Date:				
Name:				

SMP Project Description (Complete This Page for ALL PRESCRIBED BURNS)1

1.2 Applicant Name: 1.3 Applicant Address: Street: City: State: Zip: 1.4 Applicant/ Field Contact: 1.5 24-hour Phone/Pager:	<pre>map indicating the project location.</pre>
1.3 Applicant Address: Street: City: State: Zip: State: Zip: 1.4 Applicant/ Field Contact: 1.5 24-hour Phone/Pager:	1.8b Lat/Long: Latitude (deg.) (min) (sec) Longitude (deg.) (min) (sec) 1.8c UTM: Zone: N m, E m 1.9 Project Elevation (feet above msl) Upper: Lower:
Street: City: State: Zip: 1.4 Applicant/ Field Contact: 1.5 24-hour Phone/Pager:	1.8b Lat/Long: Latitude (deg.) (min) (sec) Longitude (deg.) (min) (sec) 1.8c UTM: Zone: N m, E m 1.9 Project Elevation (feet above msl) Upper: Lower:
1.4 Applicant/ Field Contact: 1.5 24-hour Phone/Pager:	Upper: Lower:
Field Contact: 1.5 24-hour Phone/Pager:	Upper: Lower:
1.5 24-hour Phone/Pager:	
	1.10 Land Owner
1.6 Project Location (Counties):	Name:
1.7 Nearest Town(s):	Street:
	City:State:Zip:
1.13 For Range Improvement Burns Check Vegeta Wildlife or Game Habitat Improvement Initial Establishment of an Agricultural 1.14 Vegetation Type (Percentage):Brush Other (Describe): Other (Describe): Other (Describe): Other (Describe): Other (Describe): Other (Describe):	Azard Reduction? Range Improvement anagement: Range Improvement Vegetation Management Objective: Livestock Habitat Improvement Practice on Previously Uncultivated Land Grass Timber LitterTimber Slash main Hand Pile Burn Understory ns vegetation) (tons PM10) B for assistance with emissions calculation)
(Use Emissions Factors Tables on pages 7-8 1.21 Emission Factor Table Used or EPA-Approved Calculation Method:	

It is the responsibility of the applicant to ensure that conditions of the SMP are met on the day of the burn. The applicant will obtain authorization to burn from the Air District contact listed below

¹ If your burn is less than 1 acre with less than one ton particulate matter emissions, and your burn will not impact any smoke sensitive areas, you may complete only this page. Attach appropriate SMP sections for all other burns.

no more than 24 hours prior to ignition.2

1.26 Air District: Great Basin Unified APCD	1.28 Contact:
1.27 Address: 157 Short Street	1.29 24-hour Telephone: (760) 872-8211
Bishop, California 93514	1.30 Fax: (760) 872-6109
	1.31 Email: greatbasin@qnet.com

The applicant will report public smoke complaints to the Air District per the procedures described in the General Information section of this SMP on page 1.

Check as Applicable:

- This burn could have an impact on smoke sensitive areas I have filled out and attached all of Section A.
- This burn could have an impact on smoke sensitive areas and Air District policies require that information on meteorological conditions for ignition and contingency planning be provided – I have filled out and attached line items B.1 and B.2 of Section B.
- □ This burn is greater than 100 acres (or is estimated to produce greater than 10 tons of particulate matter) I have filled out and attached all of Section B.

Preparer's Statement: To the best of my knowledge the information submitted in this application is complete and accurate.

SMP Preparation Date:	
Preparer's Name (print):	
Title:	
Preparer's Phone: ()	
Preparer's Signature:	Date:
Name of Authorized Representative in Control of the Property, if applicable (print):	
Applicant or Authorized Representative Signature:	Date:

² Burner/Air District burn authorization coordination to be determined by the Air District.

SECTION A: AS REQUIRED BY TITLE 17 AND AIR DISTRICT POLICIES, THIS SECTION APPLIES TO ALL BURNS WITH THE POTENTIAL TO IMPACT SMOKE SENSITIVE AREAS (SSAs) *

A.1. Describe locations of SSAs and distances from burn site (miles) – (Also the attached Map#_____ shows SSAs)

A.2 The attached map# _____ provides smoke travel projections for: _____ Day _____ Night _____ Topographical considerations.

A.3	Has prescribed burning historically occurred in this area?	 Yes _	No
		 Don't	Know

A.4 If yes, were there impacts to smoke sensitive areas? ____ Yes ____ No
____ Don't Know
A.5 If yes, please describe impacts:

- A.6 For burns that will occur past daylight hours and/or for more than one day, please provide Air District contact information and a description of contact procedures that will be used to affirm that the burn project remains within the conditions specified in this SMP, and/or whether contingency actions are necessary. The applicant will follow any instructions by the Air District to communicate directly with ARB when necessary. Air District contact (or designee)
- A.7a Telephone: (_____) ____-
- A.7b 24-hour Pager (_____) ____-
- A.7c Fax: (_____) ____--___-
- A.7d E-mail: _____
- A.8 The applicant will use the frequency and method of contact described below:

The applicant will monitor the burn project for meteorological conditions and smoke behavior before, during, and after the burn using the following techniques and timing:

A.9 Weather Observation (Wind Direction, Wind Speed, and Temperature):

Method		<u>Details</u>	
Belt Weather Kit	Location		
RAWS	Beginning Location	Interval	Ending
	Beginning	Interval	Ending
Aircraft	Location		
	Beginning	Interval	Ending
Other	Location		
	Beginning	Interval	Ending
Additional Require	ements:		·

A.9 Smoke Behavior Observations:

<u>Method</u>		<u>Details</u>	
Visual	Location		
	Beginning	Interval	Ending
Test Fire	Location		
	Beginning	Interval	Ending
Balloon	Location		
	Beginning	Interval	Ending
Aircraft	Location		
	Beginning	Interval	Ending
PM Monitoring Inst	Location		
	Beginning	Interval	Ending
Additional Requirem	nents:		

- A.11a The applicant shall begin public notification before the day of burning. The notification shall be on-going until the end of burning. Check which of the following procedures will be used to notify and educate the public about this burn project. ____Television ____Radio ____Newspaper ____Posters/flyers ____Telephone calls ____Other (Explained in A.11b below)
- A.11b The specifics of the notification procedure(s) checked above are as follows:
- A.12 The applicant will place appropriate signage at or near burn sites to identify the burn project to the public as noted on the attached map#_____.

Adjacent Air Districts and neighboring state Air Districts which may potentially be impacted by smoke travel or which have previously been impacted by smoke from similar burn projects are listed below.

A.13 Air District Name:
A.14 Contact:
A.15 Address:
A.16 24-hour Telephone:
A.17 Fax:
A.18 Air District Name:
A.19 Contact:
A.20 Address:
A.21 24-hour Telephone:
A.22 Fax:
23 Neighboring State Air District Name:
A.24 Contact:
A.25 Address:
A.26 24-hour
Telephone:
A.27 Fax:

* See General Information on page 1 for determining if your burn has the potential to impact a smoke sensitive area.

** Visual smoke observation refers to observations made through the eyes of designated individuals.

SECTION B: AS REQUIRED BY TITLE 17 AND AIR DISTRICT POLICIES, THIS SECTION APPLIES TO ALL BURN PROJECTS GREATER THAN 100 ACRES OR PRODUCING MORE THAN 10 TONS OF PARTICULATE MATTER

B.1. Meteorological Conditions for Ignition

Source of Meteorological Information:			
Surface Wind Direction:	Acceptable Range:		(degrees)
Surface Wind Speed: Ideal:	Maximum:	Minimum:	(mph)
Transport Wind Direction	: Acceptable Range:		(degrees)
Relative Humidity: Ideal: M	laximum:	Minimum:	(%)
Target Mixing Height Parameters:			
Acceptable Temperature Range: (degree			
Other Considerations to Assure Acceptable Smoke Dispersion:			

B.2a Describe contingency actions/methods/procedures applicant will take in the event that serious smoke impacts begin to occur or meteorological conditions deviate from those specified in this SMP (for example: stop ignitions, initiate mop-up, conduct fire suppression – describe in detail):

B.2b Describe any applicable interior unit contingency cutoff lines (refer to map# _____ as appropriate):

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- B.3 An evaluation of alternatives to burning is described below:
 - It is a part of the environmental documentation required for the burn project pursuant to the National Environmental Policy Act or the California Environmental Quality Act and is either attached to this SMP, is on file with the Air District, or is provided for as agreed to by the Air District. Document location:
- _____ Neither a National Environmental Policy Act or the California Environmental Quality Act assessment of alternatives has been performed. Alternatives to reduce fuel load are described in section B.4 – B.9 below.

- B.4 Alternatives Considered:
- B.5 Alternatives Rejected and Reasons for Rejection:
- B.6 Alternatives Used, and Tons of Vegetative Material Treated With Each Alternative:

- B.7 Particulate Reduction for Each Alternative Used (tons):
- B.8 Total Particulate Reductions from Alternatives Used:
- B.9 If this project is greater than 250 acres or smoke impacts occur, the applicant will provide a completed Post Burn Evaluation Form (see page 11) to the Air District within 30 days of project completion.
- B.10 For burns greater than 250 acres, Sections A.9 and A.10 describe the site monitoring requirements.

Post-Burn Evaluation For Burns Greater Than 250 Acres or Burns For Which Complaints or Smoke Impacts Occurred*

Section A. General Information:

Date of Burn: Number of Acres Burned: Burner Name: Burner Address:		Burn Location: Estimated Actual PM Emissions: (tons)		
Bu Bu	Burner Phone Number: Burner Email:			
1.	1. Did the burn remain within the conditions specified	in the Smoke Management Plan?		
2.	2. Were there any complaints or adverse smoke impa	acts? If so, complete Section	on B below.	
3.	Lessons learned (Optional) (Provide attachment if desired):			
Se	Section B. For Burns That Had Smoke Impacts, Co	omplete The Following:		
1.	1. Describe adverse smoke impacts below (add attac	hment if needed):		
2.	 Were there any complaints from the public? 	If so, how many and from whom:		
_				
3.	 What Air Districts were Notified (who, when, and a 	t what phone number(s))?		
4.	4. Lessons learned (add attachment if needed):			
5.			. See collection	
	methods checked in sections A.9 and A.10 of the b	ourn plan for relevant data.		

* As required by title 17 and air district policies.

Table 1 PM-10 EMISSIONS CALCULATIONS FOR PILES

1. Choose the pile size most representative of the piles on your burn site.

Pile Tonnage	TONS OF PM10/PILE
0.056	0.0005
0.12	0.001
0.21	0.002
0.45	0.004
0.71	0.007
1.3	0.01
2.1	0.02
4.7	0.04
7.4	0.07
29	0.3
-	0.12 0.21 0.45 0.71 1.3 2.1 4.7 7.4

Revised 2/13/2001

Pinyon Pine

Wet Meadow

Red Fir

Willow

Ponderosa Pine, Gray Pine

Formula used for Paraboloid Volume (cu.ft.) = 3.1416 x [height x (diameter)²]/8 (see Refernce b. below). a.

USDA (2/1996). Forest Service General Technical Report. Report Number: PNW-GTR-364. b.

PM 10 EMISSION CALCULATION FOR BURNING OF MULTIPLE FUEL TYPES^{1,2} Table 2

Section 80160 (b) of Subchapter 2 Smoke Management Guidelines for Agricultural and Prescribe Burning, Title 17, California Administrative Code states, "requires the submittal of smoke management plans for all burn projects greater than 10 acres in size or estimated to produce more than 1 ton of particulate matter". To determine what the particulate matter (PM 10) amount is of your burn project please use the equation below and review the following examples.

Information needed for PM 10 Calculations:

a.	VT = Vegetation type	b.	ACRES VT = Estimated number of acres for VT
с.	FL est. = Estimated fuel loading in VT TONS per ACRE	d.	EV = PM10 emission/ton of fuel

Calculating PM10 Emissions from Prescri PM10 ton(s) emissions per VT = (number			ton(s)/VT
PM10 ton(s) emissions per VT = (number			ton(s)/VT
	, , , ,		()
Sulli Total IS	the Estimated PM 10 for th	e project =	ton(s)/project
VEGETATION TYPE(S)	ACRES (VT) x	FL est. x EV ¹	PM10 EMISSIONS (ton(s))
Basing Sage/Low Sage	() x	() x (0.010) =	
Ceanothus	() x	() x (0.010) =	
Chamise	() x	() x (0.009) =	
Giant Sequoia	() x	() x (0.007) =	
Grass/Forb	() x	() x (0.007) =	
Hackberry Oak	() x	() x (0.005) =	
Hardwood (Stocked)	() x	() x (0.003) =	
Hardwood (Non-stocked)	() x	() x (0.003) =	
Jeffrey Pine/Knobcone	() x	() x (0.007) =	
Live Oak (Canyon)	() x	() x (0.007) =	
Live Oak (Interior)	() x	() x (0.007) =	
Lodgepole Pine	() x	() x (0.007) =	
Manzanita (Productive Brush) () × ()	x (0.009) =	
Mixed Chaparral/Montane	() x	() x (0.008) =	
Mixed Conifer	() x	() x (0.006) =	
Oak (Black)	() x	() x (0.005) =	
Oak (Blue)	() x	() x (0.003) =	
Oak (White)	() x	() x (0.003) =	
		i i ia aani	

1. See Table 3 on next page for values used to calculate EVs.

For vegetation types not listed, contact Air District for assistance with determining appropriate emission factors. 2.

х

х

х

х

х

Sum Total of the Estimated PM10 for the project in tons/project

(0.007) =

(0.007) =

(0.007) =

(0.004) =

(0.007) =

х

х

х

х

) х

EMISSION VALUES (EVs) FOR BURNING OF MULTIPLE VEGETATION TYPES*

Calculation of PM10 emission values = (% combustion) x (PM10 emission lbs/ton) x (1 ton/2000 lbs)*

VEGETATION	%Combusti	on	PM Emissions (Ibs/ton fuel)		Conversion Factor	PM EMISSION VALUE (PM10 lons emissions/ton fuel)
Basing Sage/Low Sage	= (1.0)	х	(20.17 lbs/ton)	х	(1 ton/2000 lbs)	= 0.010
Ceanothus	= (1.0)	х	(20.17 lbs/ton)	х	(1 ton/2000 lbs)	= 0.010
Chamise	= (0.9)	х	(20.17 lbs/ton)	х	(1 ton/2000 lbs)	= 0.009
Giant Sequoia	= (0.6)	х	(25 lbs/ton)	х	(1 ton/2000 lbs)	= 0.007
Grass/Forb	= (1.0)	х	(15 lbs/ton)	х	(1 ton/2000 lbs)	= 0.007
Hackberry Oak	= (0.4)	х	(25 lbs/ton)	х	(1 ton/2000 lbs)	= 0.005
Hardwood (Stocked)	= (0.4)	х	(15 lbs/ton)	х	(1 ton/2000 lbs)	= 0.003
Hardwood (Non-stocked)	= (0.4)	х	(15 lbs/ton)	х	(1 ton/2000 lbs)	= 0.003
Jeffrey Pine/Knobcone	= (0.6)	х	(25 lbs/ton)	х	(1 ton/2000 lbs)	= 0.007
Live Oak (Canyon)	= (0.6)	х	(25 lbs/ton)	х	(1 ton/2000 lbs)	= 0.007
Live Oak (Interior)	= (0.6)	х	(25 lbs/ton)	х	(1 ton/2000 lbs)	= 0.007
Lodgepole Pine	= (0.6)	х	(25 lbs/ton)	х	(1 ton/2000 lbs)	= 0.007
Manzanita (Productive Brus	h) = (0.9)	х	(20.17 lbs/ton)	х	(1 ton/2000 lbs)	= 0.009
Mixed Chaparral/Montane	= (0.8)	х	(20.17 lbs/ton)	х	(1 ton/2000 lbs)	= 0.008
Mixed Conifer	= (0.6)	х	(20.5 lbs/ton)	х	(1 ton/2000 lbs)	= 0.006
Oak (Black)	= (0.4)	х	(25 lbs/ton)	х	(1 ton/2000 lbs)	= 0.005
Oak (Blue)	= (0.4)	х	(15 lbs/ton)	х	(1 ton/2000 lbs)	= 0.003
Oak (White)	= (0.4)	х	(15 lbs/ton)	х	(1 ton/2000 lbs)	= 0.003
Pinyon Pine	= (0.6)	х	(22 lbs/ton)	х	(1 ton/2000 lbs)	= 0.007
Ponderosa Pine, Gray Pine	= (0.6)	х	(25 lbs/ton)	х	(1 ton/2000 lbs)	= 0.007
Red Fir	= (0.6)	х	(23.1 lbs/ton)	х	(1 ton/2000 lbs)	= 0.007
Wet Meadow	= (0.6)	х	(15 lbs/ton)	х	(1 ton/2000 lbs)	= 0.004
Willow	= (0.6)	х	(25 lbs/ton)	х	(1 ton/2000 lbs)	= 0.007

* Percent combustion and PM10 emission factors for various fuel types derived from Table 8, Section 6, "Air Quality Conformity Handbook" from the USDA-Forest Service Air Resources / Fire Management Pacific Southwest Region dated November 1995.

** These are the vegetation's estimated emissions values(EV) from the vegetation type as determined above to be use when the burn operator provides the vegetation's fuel loading estimate per acre.

*** For additional information on emissions factors, see EPA document AP-42: "Compilation of Air Pollutant Emission Factors. Volume 1: Stationary Point and Area Sources," Fifth Edition, AP-42, January 1995, U.S. EPA. Table 2.5-5.