APPLICATION

PILE PRESCRIBED FIRE SMOKE PERMIT APPLICATION

- Complete all the vellow-outlined boxes. Review all the green-outlined boxes and change anything that isn't accurate or that you propose to do differently. Your signature or submission by email affirms that *all* of the application is accurate. APCD staff will fill in the white boxes if you want.
- This color-coded and partly-completed form is designed for logging piles on private land. By changing more text in white and possibly green boxes, it may be used for any piles. An <u>uncolored blank version</u> of this form also is available.
- For guidance on individual boxes *including ones you may leave blank*, hold your mouse over an underlined word or hyperlink or see the same information listed in a document, <u>Forms Hover Hints</u>.

The Colorado Pile Smoke Worksheet defines terms.

- <u>Detailed instructions</u> for this form are available, including guidance for some atypical situations.
- Unless you are burning on federal public land, check with the local fire department about whether a fire control permit is needed in addition to this air quality (smoke) permit.

PILE PRESCRIBED FIRE SMOKE PERMIT APPLICATION

For help on individual boxes, hold mouse over an underlined word or see Forms Hover Hints.

Burn Name	Aspen Mountain			Maximum # of Piles for Year 10					10		
Burn Year	2012		Alleget	ion of Calit	D:II.	Payo	r	%	Pa	yor	%
Renewal?	no		Allocation of Split		<u>BIII</u> :	landowne		100			
Administrativ	e <u>Unit ID(s)</u>	SI	KI F i	ield Office,	Distri	ct, or Zo	ne		n/a	a	
Contact Pers	on's Name		ph Giamp Director	baolo, Aspe	en Mo	Mountain Phone		one	****		
	<u>Email</u>	jgiam	npaolo@a	aspensnow	mass	.com Cell			****		
	Address	PO E	8ox 1248			City, st	ate,	zip	Aspen	, CO 8	31612
Only for land	owners or age	encies	s who are	e not establ	ished	significa	ant u	sers of	⁻ prescri	ibed fi	<u>re</u> :
Landowr	ner's Name				Asper	n Skiing (Com	ipany			
Does the	e landowner <u>o</u>	wn or	manage	≥10,000 a	cres ii	n Colora	do?	yes 🗌	nc	x	
5 mi. south of S. Aspen St/Aspen Mtn. Rd intersection on Silver Bell/Dipsy Doodle/Blondie's ski <u>Street Address</u> of Project runs City or Town Aspen							en				
Local Fir	e Department	t Nam	e		1	Aspen F	ire D	District			
Fire Dep	artment's con	ntact p	erson for	r fire contro	l pern	nits		Ed Va	an Walr	aven	
Fire Dep	artment conta	act pe	rson's en	nail		ed.va	in@a	aspenfi	ire.com		
	are burning on on to this applic				public	land, you	ı may	y need a	a fire coi	ntrol pe	ermit in
(All projects,	continued:) La	at/Lor	ng or TRS	S		39.15	556	-106.8	1944		
County(s)			Pitkin			_	<u>Mini</u>	mum E	Elevatio	<u>n</u>	
Within this pr	oject, are son	ne pile	es <u>></u> 1.0 m	nile from ot	hers?	yes		no	X		
Smoke <u>Rece</u>	<u>ptors</u>				Miles Edge	from of Burn		<u>rection</u> om Bur		ie(s) c <u>icern</u>	of
City of Aspen				2		Ν		bot	h		
Castle Creek Valley					2		W		bot	h	
Maroon Creek Valley					2		Е		bot	h	
Miles to nearest occupied home, actual 1.0 and <u>mitigated distance</u> , if relevant: n/a											

Purposes of project:

Ecosystem ma x Logging slash x Hazard fuel mi	reduction	Site prep Wildlife Pest contro		Range i	beetle kill rer mprovement Clear trail of piles deposit summer m	slash/log ed during
Burn is part of a project t						
	species mana ng val or sale	gement intended Other mechan Other mechan Other:	to reduce ical treatn ical treatn	e total site nent - all nent - so	e productivity material left me material	on site
Legislative or m	lanagement re	estrictions	Safe	ety conce	erns	
x Fuel to be burne	ed has no com	nmercial value.	x Acce	ess or ph	iysical barrie	rs
x Not economical	ly reasonable		Othe	er:		
Rapid mop-up. Emission reduction techn Air curtain destr Second(+) fire of Part of pile is condimication x Piles will be well Other:	attered slash Give details niques planned ructor use is a on this site with overed from sr Il cured before	cures, with intent in notes section a	to leave if above sigr missions: oject. vical interv faster igr	t unburne nature lin val nition.	ed indefinitel le.	
Brief description of fuels:						
Fir/Aspen trees up to	o 15" diameter	. Most were stand	ding dead	. No Stu	imps	
Piles were built by hand only	with heavy	equipment but no	blade x	bla	de used].
		Group 1- 7	piles @ 2	25'x25'x1	0'	
Pile dimensions		Group 2	- 3 piles 1	5'x15'x1	0'	
	Grp. 1 2454					
Average ft ³ per pile	Grp 2 884	Logs <u>></u> 3" di	ameter as	s % of <u> wo</u>	ood volume	50
Requested wind direction				Conditio	ns <u>category</u>	Grp1- 3c Grp 2-2c
incluesieu winu unection	<u></u>			Conditio	no <u>calegory</u>	01p 2-20

Public Outreach:

- a landowner or agency's only project for the year and with dozen or fewer piles each of whose footprint in all directions is less than 35': Via person-to-person conversation and at least 24 hours before the first day of ignition for the season, advise all neighbors likely to be in residence during the burn season and within 0.1 mile that burning may occur. If any health concerns related to smoke arise, contact APCD before burning.
- other burns: Issue a seasonal press release about pile burning at least 1 week before the first day
 of ignition for the season. Include a contact person's name and phone number.
- (or propose alternatives here and/or <u>discuss</u> other outreach options with APCD)

Smoke Contingency:

If unhealthful or excessive smoke impacts develop, implement smoke contingency plan below. If the smoke contingency plan does not mitigate smoke impacts by sunset of the next day, additional smoke mitigation measures will be developed in collaboration with APCD. If agreement on a collaborative plan cannot be reached and implemented, APCD may rescind this permit immediately.

- Advise APCD within 2 hours. See permit conditions for phone numbers. AND
- hand piles: Extinguish as quickly as feasible using hand tools and snow on site.
- grapple or rake piles: Facilitate faster combustion and/or extinguishment of piled slash as soon as piles' heat allows. Unless piles are extinguished before sunset, also advise all neighbors within a mile downdrainage that overnight smoke is likely.
- blade piles: Maintain heavy equipment nearby that could be staffed and in use at the pile site within half an hour. Facilitate faster combustion and/or extinguishment of piled slash using heavy equipment. Unless piles are extinguished before sunset, also advise all neighbors within a mile downdrainage that overnight smoke is likely.
- (or propose alternatives here and/or discuss other contingency options with APCD)

Other Notes or Considerations:

Attachme	ents:				
x	None				
	Unit map(s)		lication for non-standard co	nditions	
	Vicinity map	Oth	er:		
Applicant	t name (if emailed)	or <u>signature</u>	Joseph Giampaolo	Date	10-2-2012

Submit applications including any attachments

 (best) via email to <u>coleen.campbell@state.co.us</u> and/or <u>sgallup@colostate.edu</u> OR
 via fax att: Coleen Campbell to 303-782-5493 or 303-782-0278 OR

via mail to Coleen Campbell, APCD-TS-B1, CDPHE, 4300 Cherry Creek Drive South, Denver CO 80246-1530.

- This application is for <u>standard permit conditions</u> unless you attach a supplemental request for non-standard conditions. The <u>pile worksheet</u> lists standard conditions.
- Most <u>significant users of prescribed fire</u> are billed once a year. Most other permittees <u>are</u> <u>billed</u> within a couple weeks and \$100 for each permit.
- If you haven't heard back from APCD within a week please <u>contact us</u> to be sure your application arrived. It may take up to 30 days to review a completed application.

Colorado Air Pollution Control Division, Smoke Management Program, Pile Application

PERMIT

2012 COLORADO PILE PRESCRIBED FIRE SMOKE PERMIT

x If feasible, please advise APCD 36(+) hrs before ignition. Also still submit a Notification of Ignition.

PROJECT-SPECIFIC PERMIT CONDITIONS:

3b piles (25' x 25' x 10')

Conditions category	3b	Maximum annual number of piles	7					
Wind directions	any	Complete ignition at least 3	hours before sunset.					
Maximum daily Number of Piles		If <u>weather is acceptable</u> based	lon					
7	_storm ¹ is fo	storm ¹ is forecasted.						
7	_day's best f	day's best forecasted ventilation adjective of very good or excellent						
7	_day's best f	day's best forecasted ventilation adjective of good						
0 (no burning)	_observed snowing ²							
0 (no burning)	day's best forecasted ventilation adjective of fair							
0 (no burning)	only observed minimum windspeed ³							
0 (no burning)	poor dispersion, not snowing, and minimum windspeed not met							
Qn Natification of Ignitian and Daily Assemblishment forms, indicate which act of								

x On Notification of Ignition and Daily Accomplishment forms, indicate which set of conditions and/or permitting category(s) will be or was used. Piles in both groups may be burned on the same day.

2b piles (15' x 15' x 10')

Conditions category	2b Maximum annual number of piles		4				
Wind directions	any	Complete ignition at least	<u>3</u> hours before <u>sunset</u> .				
Maximum daily Number of Piles		If <u>weather is acceptable</u> bas	sed on				
4	_storm ¹ is forecasted.						
4	_day's best forecasted ventilation adjective of very good or excellent						
4	_day's best forecasted ventilation adjective of good						

¹ The National Weather Service (<u>NWS) has forecasted</u> that the probability (PoP) of snow is \geq 60% for at least 6 hours in the 18 hours following ignition OR forecasted that ventilation will be good (+) at least until the next sunrise.

² Ignition may occur while it is snowing as indicated by visibility through snow of 1 mile or less.

³ One-minute average on-site eye-level wind speeds are 4(+) mph measured before ignition and also 4(+) mph measured at least 15 minutes later, during which delay one test pile may be burned. Colorado Air Pollution Control Division, Smoke Management Program

0 (no burning)	observed snowing ²
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4 day's best forecasted ventilation adjective of **fair**

0 (no burning) only observed **minimum windspeed**³

0 (no burning) poor dispersion, not snowing, and minimum windspeed not met

x On Notification of Ignition and Daily Accomplishment forms, indicate which set of conditions and/or permitting category(s) will be or was used. Piles in both groups may be burned on the same day.

GENERAL PERMIT CONDITIONS:

- The burn supervisor must have a copy of this permit on site.
- Monitor the burn's smoke.
- Send APCD the following completed forms:

Notification of Ignition	2-48 hours before each day of expected ignition
Daily Actual Activity	by 10:00 on the business day after each expected ignition day
Annual Fire Activity	by March 1 of the following year, even if no burning occurs

- Notify the public at least 24 hours but no more than 120 hours before planned ignition. Include the name of a person who the public may contact regarding the burn.
- Burn only the forest fuel described in the application. Do not burn milled or treated lumber.
- APCD may revise permit conditions at any time as circumstances warrant.
- Use a <u>National Weather Service forecast</u> to establish compliance with the permit's weather conditions. Keep for 18 months a copy of the forecast for each day of ignition.
- This project has not been reviewed for road or other transportation safety, nor for fire control.
- Unless otherwise specified above, this permit is not valid during periods of publicly announced <u>air pollution emergencies or alerts</u> in the area of the proposed burn.
- This permit is for compliance with state air pollution control requirements only. It is not a permit to violate any existing local laws, rules, regulations, or ordinances regarding fire, zoning, or building.

Questions: <u>Pat McLaughlin</u>, 303 692-3244, <u>Coleen Campbell</u>, 303 692-3224 or <u>Sarah Gallup</u>, 303 916-1260

APPLICATION, incorporated as part of this permit: **Burn Name** Aspen Mountain Maximum # of Piles for Year 10 **Burn Year** % % 2012 Payor Payor Allocation of Split Bill: Renewal? landowner 100 no

Colorado Air Pollution Control Division, Smoke Management Program Permit expires December 31. page 2 of 12 Permit Number SKI - 12 - 212

	Burn Name				Aspen Mountain			
Administrative Unit ID(s)	SKI	Field Of	fice, Distri	ct, or Z	one	r	n/a	
Contact Person's Name	•	loseph Giampaolo, Aspen I Trails Director			Phone		***	
Email	jgiampaolo(@aspens	nowmass	.com	Cell		****	
Address	PO Box 124	48		City, s	state, zip	Aspe	en, CO 81612	
Only for landowners or age	encies who a	are not es	stablished	signific	ant users o	f pres	cribed fire:	
Landowner's Name			Asper	n Skiing	Company			
Does the landowner o	wn or mana	<u>ge</u> ≥10,0	00 acres i	n Color	ado? yes		no x	
5 mi. south of S. Aspen St/Aspen Mtn. Rd intersection on Silver Bell/Dipsy Doodle/Blondie's ski Street Address of Project runs City or Town Aspen						Aspen		
Local Fire Department		((Aspen Fire District				
Fire Department's con	-		ontrol perr					
Fire Department conta	•				an@aspenf			
If you are burning on addition to this applic			ierai public	land, yc	ou may need	a fire c	control permit in	
(All projects, continued:) La	at/Long or T	RS		39.1	5556 -106.8	1944		
County(s)	Pitkin	1		_	<u>Minimum E</u>	Elevat	ion	
Within this project, are son	ne piles <u>></u> 1.0) mile fro	m others?	yes	no	X		
Smoke <u>Receptors</u>			Miles Edge	from of Burr	Directior from Bu	-	ime(s) of <u>oncern</u>	
City of Aspen				2			both	
Castle Creek Valley				2			both	
Maroon Creek Valley				2 E			both	
Miles to nearest occupied	Miles to nearest occupied home, actual 1.0 and mitigated distance, if relevant: n/a							
Purposes of project:					_			
Ecosystem management Site p								
x Logging slash re	duction	W	/ildlife		Range im			
x Hazard fuel mitig	gation	P	est contro	х		es de	ail of slash/log posited during ner months.	

Burn is part of a project that includes the following non-burning fuel treatments:

Burn Name

Aspen Mountain

	Invasive/exotic species management intended to reduce total site productivity							
	Livestock grazing		Other mechanical treatment - all material left on site					
	Timber sale		Other mechanical treatment - some material remo					
х	Firewood removal or sale			Other:				

Non-burning fuel treatments alone would not meet resource objectives because:

Legislative or management restrictionsSafety concernsxFuel to be burned has no commercial value.xAccess or physical barriersxNot economically reasonableOther:

Emission reduction <u>techniques</u> planned to reduce consumption and/or increase combustion efficiency:

Burn before scattered slash cures, with intent to leave it unburned indefinitely.

Rapid mop-up. Give details in notes section above signature line.

Emission reduction techniques planned to redistribute emissions:

- Air curtain destructor use is also part of this project.
- Second(+) fire on this site within historically typical interval
- Part of pile is covered from snowfall or rain, for faster ignition.
- x Piles will be well cured before ignition, with red needles where applicable

Brief description of fuels:

Other:

Fir/Aspen trees up to 15" diameter. No Stumps [per phone call:] 85-90% of fir was standing dead and has red needles now.

Piles were built				
by hand only	with heavy equipment b	out no blade x blade	used	
	Group	o 1- 7 piles @ 25'x25'x10'		
Pile dimensions	Gro	oup 2- 3 piles 15'x15'x10'		
Average ft ³ per pile	Grp. 1~ 2454 Grp 2~ 884	Logs <u>></u> 3" diameter wood	r as % of d volume	50
	,		Grp1-	3b
Requested wind direction	<u>ons</u>	Conditions category	Grp 2-	2b
Public Outreach:				

• A seasonal press release will be issued at least 3 days before the season's first day of ignition, possibly in conjunction with the ski company's other resorts that are planning to burn.

Smoke Contingency:

If unhealthful or excessive smoke impacts develop, implement smoke contingency plan

Burn Name Aspen Mountain below. If the smoke contingency plan does not mitigate smoke impacts by sunset of the next day, additional smoke mitigation measures will be developed in collaboration with APCD. If agreement on a collaborative plan cannot be reached and implemented, APCD may rescind this permit immediately. Advise APCD within 2 hours. See permit conditions for phone numbers. AND • Facilitate faster combustion and/or extinguishment of piled slash as soon as piles' heat allows. Unless piles are extinguished before sunset, also advise all neighbors within a mile downdrainage that overnight smoke is likely. Other Notes or Considerations: Attachments: x None Application for non-standard conditions Unit map(s) Vicinity map Other: Applicant name (if emailed) or signature Joseph Giampaolo Date 10-2-2012 Approved by DATE 10/9/12 Colorado Department of Public Health File notes: and Environment Date received: 10/8/12 # of sets of conditions 2 Conditions ID # Name Detail Code 3b non- standard res .1 .2 2b non-standard res

APCD documentation of non-standard conditions: Burning at poor omitted for non-NWCG burn boss. sg 10/9/12 PM concur