



6/17/15 proposed

Revisions to Standard Conditions Colorado Smoke Management Permits

Opening Comments

Overview

- Specified health message on 1(+) form of general public outreach for each project.
- Changes in piles/acres per day, mostly increases.
 - Focused on categories with most activity.
 - Other permit conditions unchanged.
- Plan to implement in August 2015

This presentation describes
the current version of a plan.

**WE ARE REQUESTING YOUR
THOUGHTS IN RESPONSE.**

Why change?

- Incremental change based on shared learning
- Measured PM 6-8 times NAAQS.
- Occasioned revisiting sideboards.
 - It's OK to consider long-run air trade-offs!
- For air & health, prescribed fire v. wildfire is essentially a wash.
 - For other resources rx is usually better.

Health Message - Mechanics

- Applies to all permits, pile and broadcast.
- Message refers to APCD smoke health page.
- Application asks which vehicle will be used. Before implementation send APCD a copy.
- Agencies/landowners with 1 permit/year may instead give neighbors a stock letter.

Health Message - wording

“Prescribed fire smoke may affect your health. For more information see <https://www.colorado.gov/pacific/cdphe/wood-smoke-and-health>.”

Broadcast, no changes to:

- Daily acres for
 - Fair ventilation
 - Grass
 - Mapped sensitive areas
- Other permit provisions: end times, 2 in 7, concurrent operations, etc.
- Non-standard options

All are unchanged.

Drainage Potential

Proposed **changes** are in bold.

Dist. to homes	VGd/Exc	Good	Fair
> 5 mi	1,000	450	300
	1,250	700	
2-5	525	225	150
	700	350	
< 2	350	150	100*
	500	300	

* for blacklining

Brush

Proposed **changes** are in bold.

Dist. to homes	VGd/Exc	Good	Fair
> 5 mi	3,500	1,500	1,000
2-5	1,750	750	640
	2,000	1,000	
< 2	1,300	640	325*
	1,500	1,000	

* for blacklining

Proposed Piles per Day

- No waves for size categories 1 and 2.
 - Effectively doubles simultaneous ignition.
- Concurrent operations, unchanged, limits relevance of very high caps.
- Size categories 3-5 are combined.
 - All blade piles $\geq 25,000$ ft³ are non-standard.

Summary of Changes, Piles per Day

- 'Poor' with observed snowing:
 - sizes 1, 2: # piles/day now match 'fair.'
 - size 3(+), no burning.
- 'Poor' with observed wind unchanged.
- For rest, incremental increase if activity record supported it

Pile size 1, $\leq 300 \text{ ft}^3$ ea.

Proposed changes are in bold.

dist to homes	Storm	VGd/Exc	Good	Fair	Snowing	Min. wind
> 5 mi	900 1,000					125
0.6-5	900 1,000	900* 1,000	675* 1,000	450* 600	675* 600	75
≤ 0.5	500* 1,000		300* 500	200* 300	300*	50

*Represents current daily total for 3 waves (1b) or 2 waves (1c)

Pile size 2: hand/rake 301-2,000 ft³ blade 301-500 ft³ ea

Proposed **changes** are in bold.

dist to homes	Storm	VGd/Exc	Good	Fair	Snowing	Min. wind
> 5 mi	600 750		600			50
0.6-5	600 750	600* 750	375* 500	225* 300	375* 300	35
≤ 0.5	250* 500		150* 300	100* 150	150*	0

*Represents current daily total for 3 waves (2b) or 2 waves (2c)

Pile sizes 3(-5): hand/rake > 2,000 ft³ blade > 500 ft³ ea

Limits are on **volume**, shown in 000 ft³.

dist to homes	Storm	VGd/Exc	Good	Fair	Snowing
> 5 mi	1,000			0-1,000 1,000	0-1,000 0
0.6-5	1,000	0-300 500		0	0-300 0
≤ 0.5	200 300	0-100 200		0	0

Ranges show current variation among size categories 3-5

2015 Permits to Date

- Broadcast: 77, with 92 conditions sets.
 - 36 of 92 in categories without changes
 - 13 more too small to change
 - 47% (43) could change.
- Piles: 57% of 218 conditions sets could change.

Other APCD Smoke News

- Automating processing of emailed dailies.
 - Please use latest versions of forms.
 - Please complete all required blocks.
 - .Docs are easier than .pdfs or faxes

Other APCD Smoke News

- Automated some compliance checks.
 - Intent: timely recognition, for follow-up
 - In last 5 years, ~2% of burn days had issues.
 - Mostly: more piles/day than allowed or burned piles at weather not permitted
 - Self-reporting of discrepancies goes a long way toward understanding.

Summary of Proposal

- Health message with standardized wording.
- Implementation plan:
 - New permits get new conditions after 8/1/15.
 - Revise existing permits on request.
- Incremental changes based on shared learning continues.

Closing Comments on Proposal

This presentation described
the current version of a plan.

IT'S TIME FOR YOUR COMMENTS.

As always, input is welcome.
Send to any or all of:

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