



Who, What, and Why!

Who: Mendocino County Air Quality Management District.
 Location: 306 East Gobbi Street
 Ukiah, CA 95482
 Website: mendoair.org
 Email: mcaqmd@mendocinocounty.org
 Office: 707-463-4354 Burn Day Status: 707-463-4391

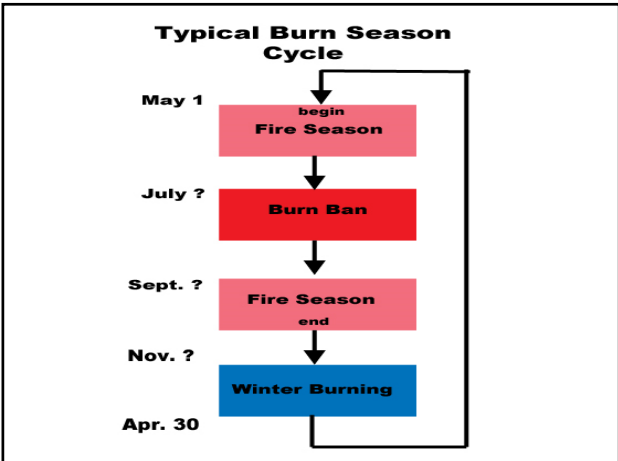
What: Burn Permits; Smoke Management Plans; Property Development Plans.

Why: State of California and local air district regulations place requirements on burning. Burn permits and Smoke Management Plans ensure that burners have the knowledge, resources and plan in place to meet the legal requirements that protect the public health.

- ### Rules and Regulations
- Federal: Title 40 CFR Prevention of significant deterioration of air quality.
 - State: Rule - Title 17 California Code of Regulations (CCR) (Div 3 Air Resources). Defines Smoke Management by state law.
 - Local: District Regulation II (2) - District rules incorporate the requirements of Title 17 and include additional rules specific to our area to minimize smoke impacts on sensitive areas, avoid cumulative impacts, and prevent a public nuisance.

- ### Burn Seasons and the Suspension
- **Burn Ban (suspension)** - outdoor burning is prohibited. All burn permits issued for burning are SUSPENDED.
 - **Fire Season** – starts May 1st of each year and is statewide. State Responsibility Area (SRA), and Fire Protection - Local Responsibility Area (LRA), and/or the Air Quality Management District require a Burn Permit. Burns are restricted to a 4' by 4' pile and burn hours are 9AM to 12PM. UNLESS otherwise specified by your burn permit.
 - **Winter Burning** – begins when CAL FIRE announces an end to the Fire Season and determines when to lift the suspension (depends of fire hazard conditions and wildfire status in the whole state).

- ### What this all means to YOU!
- No burning allowed,
 - Restricted burning to shorter burn hours and smaller piles,
 - Less restrictive: Large burning and longer burn hours.



When do you need a burn permit?

ALL residential and agricultural open outdoor burning require a burn permit and are allowed only on permissive burn days.

Different burn permits? Know there are:

- Standard burns / Non-standard burns
- Common burns / Other burns

What is a burn permit?

A Mendocino County burn permit is:

Air Quality Permit + Burn Permit:

A permit issued by an authorized agency for the open outdoor burning of vegetative matter during the winter burning season for the purpose of controlling smoke.

PLUS

A permit issued by an authorized agency for the open outdoor burning of vegetative matter for the purpose of controlling fire hazard.

What is a burn permit?

There are basically two main goals to the burn permit:

1. Fire safety
2. Public health

How and where do I get a burn permit?

You can come in our office Monday through Friday from 9am to 4pm.

306 East Gobbi Street, Ukiah, CA

You can apply online under the Burn tab at:
<http://mendoair.org>

You can obtain a burn permit at most local fire stations and/or Cal Fire.

Fire Responsibility Areas and Burn Permit Jurisdiction

- State Responsibility Area (SRA) – Cal Fire
- Local Responsibility Area (LRA) Fire Protection Departments– Redwood Valley, Little Lake Valley...

and/or

- Mendocino County Air Quality Management District

Air Quality Burn Permits (not Fire Permits)

Smoke management plans, property development plans, Standard Burn Permit

Standard Burn Permits:

Posted burn hours 9-12 (fire season) or 9-3pm during winter burn season.

Fees: Cal Fire permits: no fee and some local FPD, AQMD \$17

Expirations: AQMD valid to April 31, Cal Fire and local FPD follow as stated on permit.

What is a: PROPERTY DEVELOPMENT PERMIT (Required to be Issued by Air Quality):

- Property Development includes, but is not limited to, timberland conversion, the destruction of perennial crops by burning, clearing of land for residential, roads or other development.
- Property Development Permits are valid for no more than 12 months to complete all burning.
- Requires District approval prior to individual daily ignitions.

What is a: SMOKE MANAGEMENT PLANS (Required to be Issued by Air Quality):

- Always required for more than ten (10) acres standing brush/ grass or more than fifty (50) tons of piled fuel, in addition to annual burn permit.
- May be required by the District for less than 10 acres or 50 tons for any burn that has the potential to impact public health (located near sensitive receptors - populated areas, schools, hospitals, etc.) or become a public nuisance.
- Requires District approval prior to individual daily ignitions.

Smoke Management Plans may be valid for up to 5 years, in addition to an annual burn permit each year.

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What is a: SMOKE MANAGEMENT PLANS (Required to be Issued by Air Quality):

Note: A Smoke Management Plan is required whenever the smoke from a proposed burn has the potential to impact sensitive receptors, or if the amount of material proposed to be burned exceeds 10 acres or 50 tons

Smoke Management Plans and Property Development Plans

- SMP and PDP shall be prepared and submitted to MCAQMD:
- SMP fee \$110 (5 years)
- PDP fee \$164
- SMP Post Burn fee. \$100 - \$350 cap.
- Allow 10 days to process SMP application.
- Must request for burn approval 24 hours prior to ignition .
- Weekend burns? Are okay.
- 3-day forecast.

Sensitive Receptors

- Hospitals;
- K-12 Schools, colleges and universities;
- Population centers, residential subdivisions, and commercial areas;
- Residential care facilities daycare centers, group homes;
- Freeways and major roadways;
- Campgrounds and recreational areas; and
- Any location identified by the APCO.

Filling it out: SMP and PDP



AIR QUALITY MANAGEMENT DISTRICT
 306 EAST GOBBI STREET
 UKIAH, CA 95482
 (707) 463-4354

2017-SMOKE MANAGEMENT PLAN AIR QUALITY BURN PERMIT APPLICATION FORM

Section I TYPE OF APPLICATION (Check ALL that Apply)

- Smoke Management Plan (SMP) - Potential to impact sensitive receptors *
- Smoke Management Plan (SMP) - Burning past 3:00 P.M. and overnight burns *
- Smoke Management Plan (SMP) - More than 10 acres broadcast or 50 tons piled fuels*
- Smoke Management Plan (SMP) - Burning 100+ acres *

*All SMP applicants must complete the Authorized Contact List Form

Section II APPLICATION INSTRUCTIONS (Review General Information & Requirements)

A. This application must be filled out completely with all statements answered. Please type or print in black or blue ink. For permitting assistance, please call the District office at 463-4354.

Filling it out: SMP and PDP

Section VI SMOKE MANAGEMENT PLAN (SMP) INFORMATION

Site Address: _____ Nearest City/Town: _____
 If no street address, please provide the following property information: THP #: _____
 APN(s): _____ Legal: T _____ R _____ Sec _____
 Describe access route to property: _____ Top Elevation: _____ Ft.
 Bottom Elevation: _____ Ft.

Complete the following as applicable:

Project Area (acres): _____ Number of Piles: _____ Average Pile Size: _____ X _____

Broadcast Area (acres): _____ Vegetation Fuel Load per Acre: _____

Total Project Fuel Loading: _____ (tons vegetation)

Vegetation Type (%):

Brush Timber Slash Underbrush Grass

Other (Describe): _____

Vegetation Condition:

Machine Pile Slash / Landing Pile Treated

Hand Pile Broadcast/ Standing Brush Other _____

Ignition Technique: _____ Expected Fire Intensity: High Low

Expected Burn Duration (ignition to complete extinction): _____ (Hours / Days)

Filling it out: SMP and PDP

Duplicate this page as necessary for each location or attach maps to the application.

Section VII BURN LOCATION MAP

Mark burn pile locations, access roads, approximate boundaries for broadcast burns, etc.



Pear tree
removal
and piles

Filling it out: Contact list

MENDOCINO COUNTY AIR QUALITY MANAGEMENT DISTRICT SMOKE MANAGEMENT PLAN AUTHORIZED CONTACTS LIST

AUTHORIZED CONTACTS - SMOKE MANAGEMENT PLAN # _____

Only the persons listed below are authorized to contact the District regarding this SMP.

NAME: _____ PHONE #: _____

NAME: _____ PHONE #: _____

NAME: _____ PHONE #: _____

NAME: _____ PHONE #: _____

Filling it out: Conditions

Section VII CONDITIONS TO BE MET BEFORE BURNING - FOR DISTRICT USE ONLY

CONDITIONS TO BE MET BEFORE BURNING:

1. Call each day for a Request to Burn at least 24 hours prior to burning for District approval. Must request by __ FAX and/or __ EMAIL (mcaqamd@co.mendocino.ca.us) and/or __ PHONE (707)463-4354.
2. Notify neighboring Air Districts and affected Fire Agencies: Cal Fire (459-7403), Lake Co (263-7000), Northern Sonoma (433-5911), Local Fire Agency _____, Other _____
3. Notify receptors if smoke impacts are possible.
4. Ignite only after approval from District.
5. If you have large or multiple piles, light a small test fire first, to make sure the smoke goes up and away from neighbors.
6. Maintain visible flames at all times and keep the piles hot.

How is the burn day status determined?

ARB State meteorologist:

- Atmospheric pressure changes
- Inversion trends
- Fire dangers (high-winds)
- Active wildfires (current air health)

Confidence level:

Good, Fair, Marginal Burn
 Above 3000, below 3000

What the Public knows - Burn Day Status Line:

Permissive and No-Burn Days

Lets go through an example

- Mr. Turner wants to burn on portions of his 180-acre property. He has a 10-acre grassy hill to burn, 3-acre understory burn around his home and an 8-acre pear orchard removal burn. The pear trees were removed in July.
- He applies for a burn permit with AQMD in November. However he is informed he needed a SMP due to the amount he plans to burn.

Lets go through an example

- He calculates his fuel load as:
- 10-acre grassy hill, $10 \times 2\text{-tons} = 20\text{ tons}$
- 3-acre understory, $3 \times 7\text{-tons} = 21\text{ tons}$
- 8-acre pear tree removal, 30 trees/acre, 1 tree = 500 lbs, $30 \times 8 \times 500 = 120000\text{ lbs}$ or 60 tons.
- Total Project Fuel Loading entered on SMP = $60 + 21 + 20 = 101\text{ tons}$.
- Mr. Turner plans to complete the project in 3 years.

Lets go through an example

- Mr. Turner paid \$17 for his BP and \$110 for his SMP that was issued on November 15, 2017.
- While he was in the office, he asked for approval to burn his pear trees the next day. He expects it will take 3 days to complete. A 72-hour forecast was given. The burn was approved by AQMD. Mr. Turner burned on November 16 and completed early on the 17th.
- Mr. Turner waits until May 5th, to burn his grassy hill. Since it's now fire season he needs a burn permit from Cal Fire. His property is in a SRA area.
- Mr. Turner got approval from Cal Fire and AQMD to burn on May 7. However, ignition was delayed until 10AM due to morning inversions.

Lets go through an example

- Burn ban was announced on July 1 and now all burn permits are suspended. Mr. Turner can't burn.
- November rolls around again. Mr. Turner wants to perform some understory burn near his home. He needs a new BP. However, his SMP is still valid for another 4 years. He pays \$17 to obtain a BP and calls AQMD for approval to burn on November 17,.
- AQMD denied his request and explained the 17th is forecast to be a No Burn day. However, November 19 looks good.
- Mr. Turner burns his understory on the 19th.

Thank you

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Air Pollution Control-Executive Officer:
Barbara A. Moed, P.G.

