Oregon Smoke Management Plan

- Smoke Management Plan
- Daily Operations
- Reporting Requirements
Oregon Smoke Management Plan

Smoke Management Plan

• Part the of State Implementation Plan (SIP) – required by Federal Clean Air Act

• Applicable statutes – ORS 477.013, .515, .520, .552 - .562

• Administrative rule – OAR 629-048

• Agency directive – 1-4-1-601

• Applicable to essentially all designated forestland in Oregon – requirements differ by area/owner
Program objectives:

• Provide maximum opportunity for essential burning

• Keep smoke out of smoke sensitive receptor areas (SSRAs)

• Minimize smoke emissions

• Coordinate with other state smoke management programs

• Comply with state/federal air quality/visibility requirements

• Protect public health

• Encourage reduction of emissions and alternatives to burning
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Program highlights:

• Two levels of regulation based on location and owner
• Twenty three SSRAs
• Procedures to list future SSRAs
• Burn boss has specific requirements for smoke management
• Reporting required for all designated forestland burning
• Fees required for all “Level 1” burning
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Daily Operations

• Three prescribed burning forecasts issued daily for western, northeast, and south-central Oregon during spring and fall.

• Willamette Valley, Jefferson County, and Union County field burning forecasts issued daily during the summer.

• Willamette Valley burn day message issued daily throughout the year.

• National Fire Danger Rating weather station quality control and internet products produced from May – October.

• Wildfire smoke forecasts and weather briefings issued as needed during fire season.
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Daily Operations – Daily Forecast/Instruction

- General discussion
- Detailed dispersion forecasts
- Outlook - General and dispersion (three days)

Prescribed burning instruction:

- Based on fire weather zones
- Specifies where and how much may be burned
- Designed to protect SSRAs from smoke impacts
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Daily Operations - Waivers

For units that do not fit within the instruction or with special concerns, contact ODF Smoke Management Meteorologist - 503-945-7401

Provide location (legal), acres, consumable tons, elevation and unique factors (river drainages, lighting techniques, etc.)
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Operations - Burn Boss Responsibilities

- Obtain the current smoke mgt forecast and instructions before ignition
- Make provisions to be informed if the forecast or instructions are changed
- Validate that forecast conditions are consistent with actual on-site conditions prior to ignition of burns
- Plan large or extended burns for capability to cease lighting and hold the existing burn within smaller compartments if needed
- Terminate ignition if an SSRA is adversely affected by the burn or by additional burning; or air in the entire state or portion thereof will be adversely affected by smoke
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Data Reporting

Three Step Process Overview:

• Registration of units that will be burned – 7 days in advance

• Planning the burn – day of burning.
   (Not mandatory for Level 2 regulated lands)

• Reporting accomplishment – day following burn.  (Weekly for Level 2)
Data Reporting - Registration

- Unit is entered into the ODF smoke management data system:
  - FASTRAX (web) for federal units
  - Direct for state and private

- Required data dependent on type of burn.

- Level 1 land is charged $0.50 per acre fee.

Units **MUST** be registered before they are burned
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Data Reporting - Results

• Specific accomplishment data includes: amount of material burned, ignition and weather information, and fuel moistures.

• Reporting deadline daily for Level 1 land, weekly for Level 2.

• Burn fee depends on type of burn and level of regulation (landing/maintenance $.50/acre, maximum $3.10/acre for other burning).
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www.oregon.gov/ODF/Fire/Pages/Burn.aspx