

OUTDOOR RESIDENTIAL WASTE BURNING ATCM



February 21, 2002
Sacramento, California

California Environmental Protection Agency



Air Resources Board

Introduction



- **Backyard garbage burning produces:**
 - ◆ dioxins
 - ◆ other toxics
 - ◆ fine particulate matter
- **Dioxins and other toxics cause cancer**
- **Children are especially vulnerable to dioxins**

Proposed Regulation



- ◆ Reduces individual and neighborhood exposure to dioxins
- ◆ Eliminates burning in all populated areas
- ◆ Revised based on comments

What is Backyard Burning?



- **Outdoor burning at one-and two-family homes**
- **Materials include anything other than vegetation**

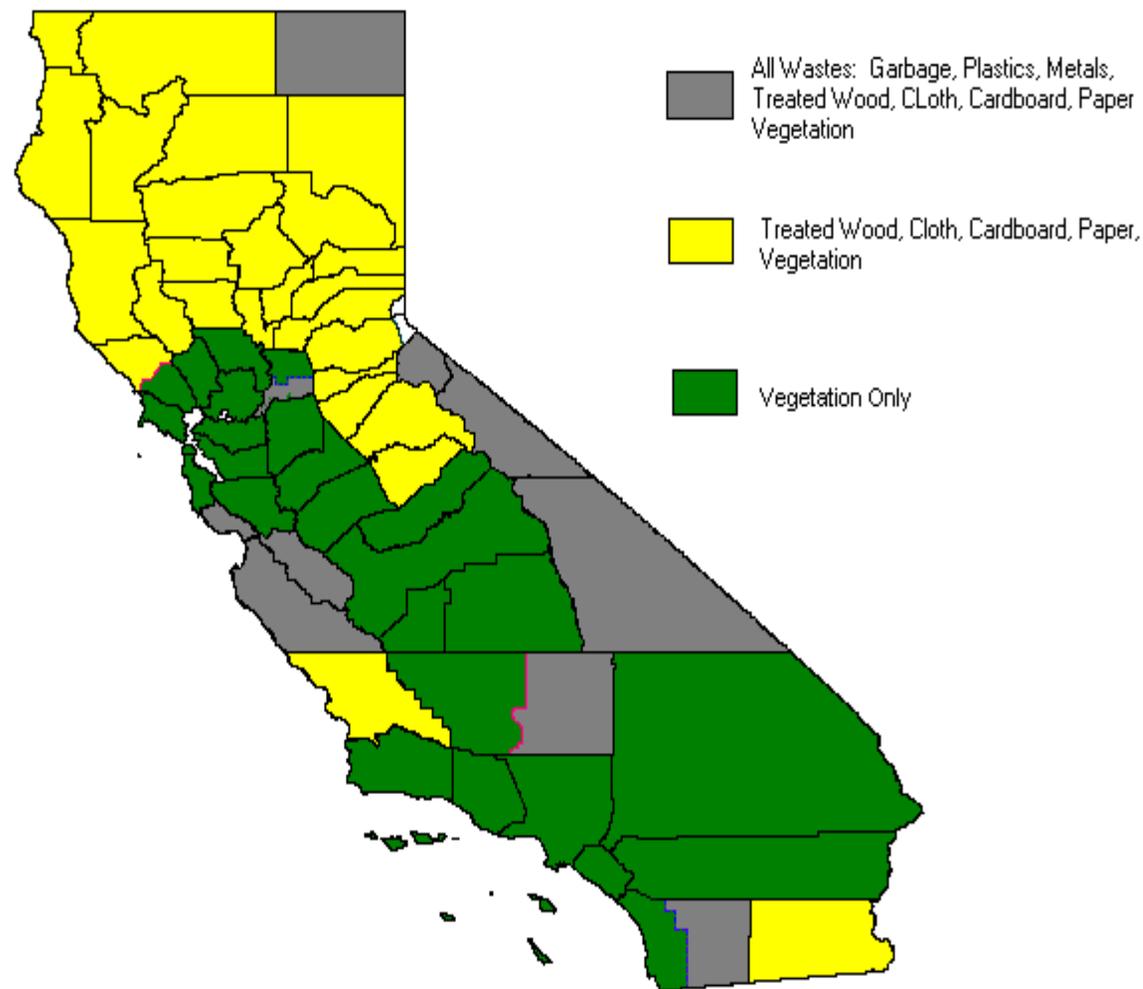
What are Health Effects?

- **Toxic Air Contaminants:**
 - ◆ cancer
 - ◆ neurological damage
 - ◆ respiratory, skin, eye irritation
 - ◆ compromised immune system
- **Fine Particulate Matter:**
 - ◆ respiratory problems
 - ◆ cardiac problems

What are Public Health Impacts?

- **Children are especially vulnerable**
- **Individual and neighborhood exposure**
- **Increased potential cancer risk**

Materials Allowed to be Burned per Air District Rules



Regulatory Development Process



- Residential Burning Working Group
- Agency consultations
- 21 public workshops

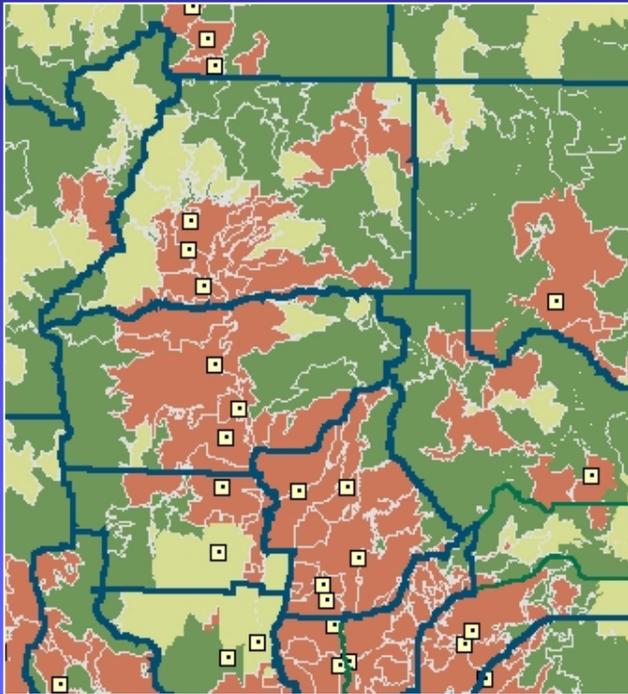
Original Provisions of Regulatory Proposal

- Eliminate backyard garbage burning
- Eliminate burn barrels
- Burn only on permissive burn days
- Use only approved ignition device
- Limited exemptions, revisited every 5 years
- Effective July 2003

Proposed Staff Modifications

- **Allow only burning of paper and cardboard in exemption areas**
- **Extend effective date to January 2004**
- **Include public education by ARB**
- **Include specific exemption criteria based on population density**
- **Exemptions revisited every 10 years**

Structure of the Modified Exemption Criteria



- **Automatic exemption**
 - ◆ < 3 people per square mile
- **Discretionary exemption**
 - ◆ 3 - 10 people per square mile
- **Prohibited**
 - ◆ > 10 people per square mile
 - ◆ Incorporated city or town

Other Environmental Impacts

- Landfill capacity and diversion
- Illegal dumping
- Indoor burning
- Vehicle emissions
- Fire safety

Economic Impacts

- **Enforcement**
- **Public education and outreach**
- **Waste disposal fees and service**

Other Issues

- Higher population density cut-off
- More monitoring and testing
- Later effective date

Recommendations

Regulation



Education

Coordination

- Approve ATCM with staff revisions
- Support public education and outreach
- Continue working with Integrated Waste Management Board