



Wood and Coal Stove Household Use

Navajo Nation EPA Air Quality Control Program & Operating Permit Program

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Stove Maintenance



- Certified chimney sweep and maintenance professional recommended
- Clean chimney, remove build up
- Check seals around stove, repair or replace if needed
- Check chimney for clogs, cracks and repair

Dry Firewood



- Split wood
- Stock in rows face side down off the ground & away from buildings
- Cover and keep dry/allow for air circulation
- Store for 6 to 12 months depending on type of wood

Burning Tips



- Start fires with newspaper or dry kindling
- Only burn dry seasoned wood
- Remove ashes and place in a metal container outside
- Do not burn household waste

EPA Certified Wood Stoves



- Uses 1/3 less wood but still provides same amount of heat
- Little to no smoke
- Decrease buildup in chimney
- Reduce exposure to toxic pollutants by reducing particulates in homes

Wood and Coal Use on the Navajo Nation



Stoves are not made to properly burn coal or wood which leads to poor indoor air quality.



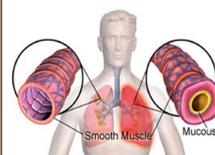
BHP Billiton and Peabody Western Coal mines both provide public distribution of coal during winter months.



The gathering of fire wood occurs usually in late summer to early fall, and in winter months. Public sales of firewood by local distributors and trading posts also help with wood gathering for winter months.



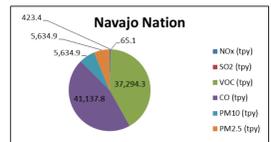
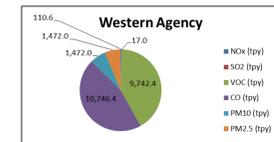
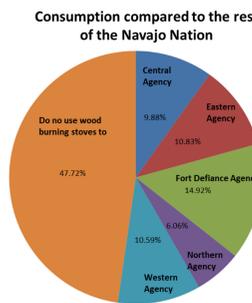
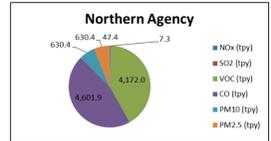
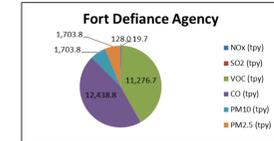
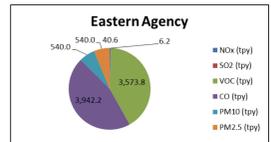
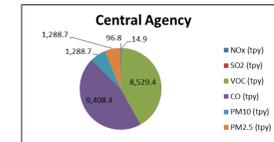
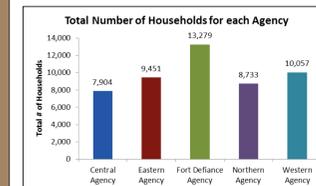
Potential Health Effects



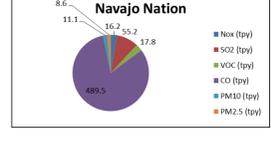
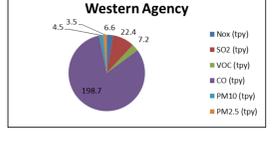
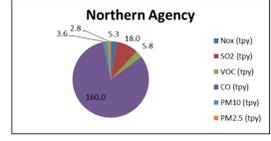
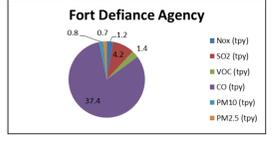
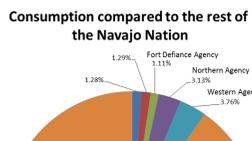
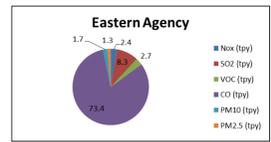
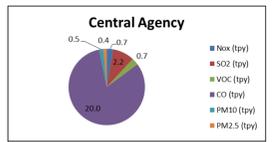
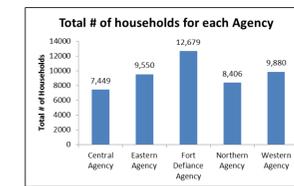
Normal Lung and Airway vs. Inflamed Lung and Airway

- Burning Eyes
- Respiratory irritation
- Coughing
- Asthma Attack
- Acute/Chronic bronchitis
- Irregular heartbeat
- Heart attack/cardiac arrest
- Premature death in people with lung or heart disease

Residential Wood use on the Navajo Nation



Residential Coal use on the Navajo Nation



Outreach Efforts

- Collaborating with U.S. EPA Region 9 to develop outreach material addressing wood/coal use on the Navajo Nation
- Developing a survey to compile data recording the use of wood/coal on the Navajo Nation.



Open Burn Regulation & Implementation

Navajo Nation EPA Air Quality Control Program & Operating Permit Program

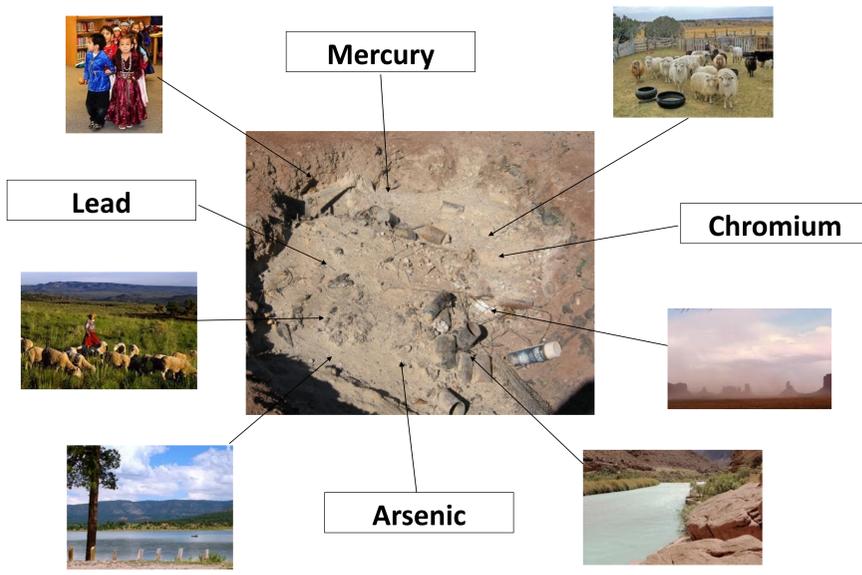
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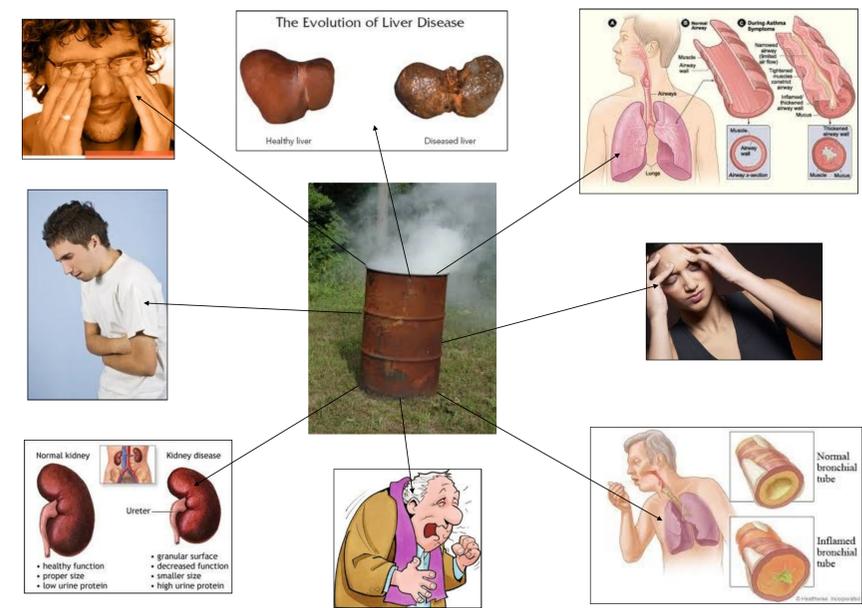
Purpose

The Navajo Nation Open Burn Regulations are intended to protect the health, safety and general welfare of all residents of the Navajo Nation. The regulations discourage open burning disposal practices where alternative methods are feasible and practicable.

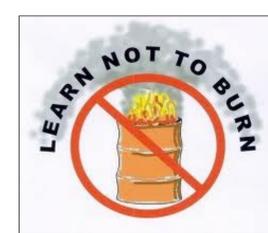
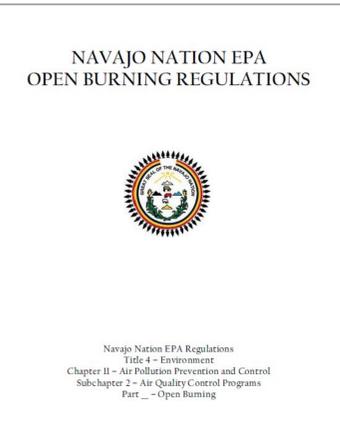
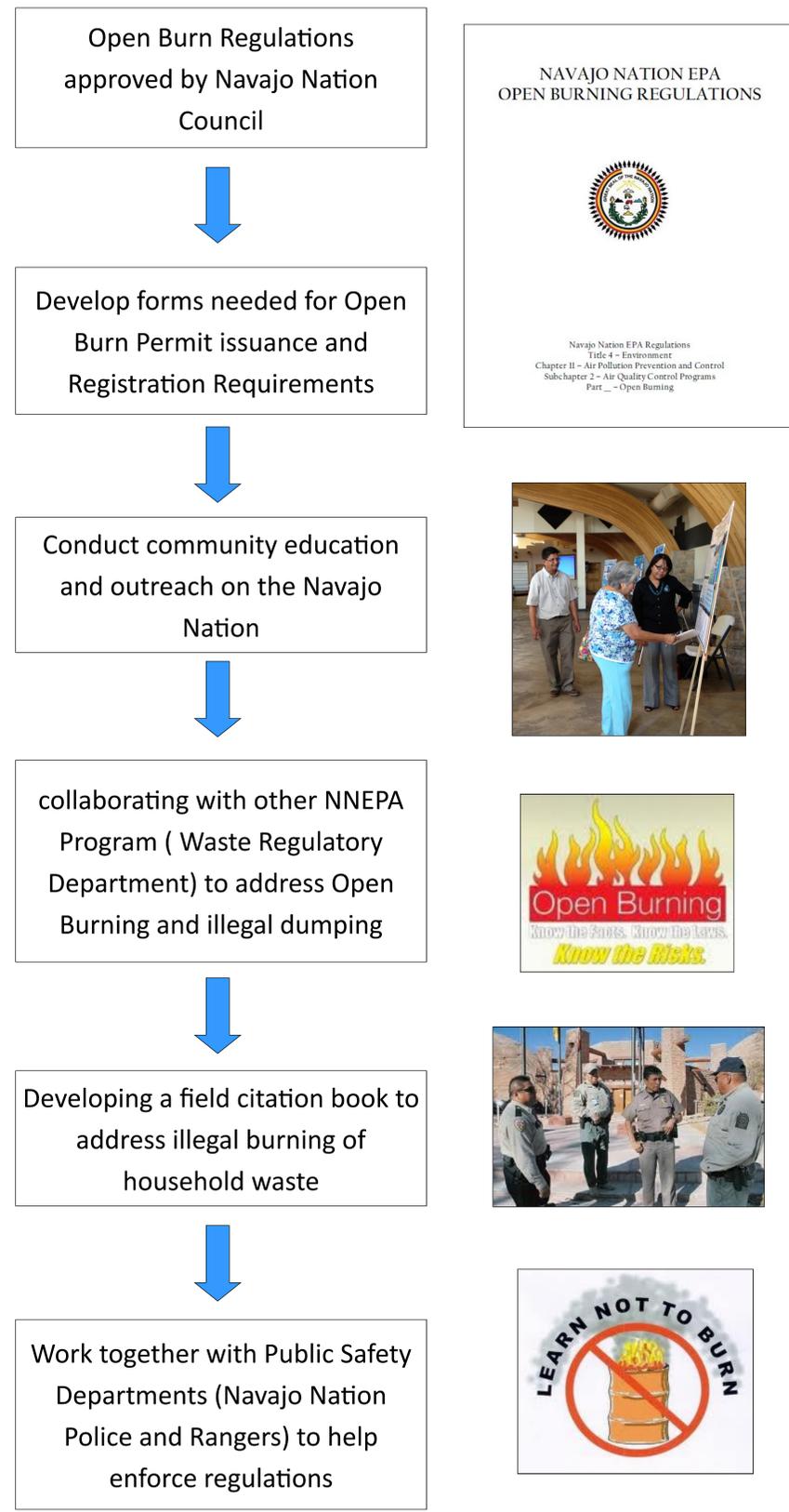
Why Open Burning is Prohibited



Health Effects



Process of the Open Burn Regulations



Types of Open Burning



Prohibited Materials



Exemptions

