

# Environmental Quality Commission meeting

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## Landfill Emission Guidelines and Proposed Adoption of Updated Federal Air Quality Regulations

July 18, 2019, EQC meeting  
Enterprise, Oregon

# Three main proposed updates

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- Update DEQ’s adoption of federal regulations by reference. These changes, made by EPA, are already applicable to affected sources. Includes updates/changes to NSPS and NESHAP regulations.
- Adopt a new federal regulation, by reference, applicable to new municipal solid waste landfills.
- Adopt new rules to implement federal emission guidelines for existing municipal solid waste landfills (required or EPA provides a plan for the state).

# Sources subject to the proposed rule

NSPS or NESHAP Subpart	Industry Description	Oregon Source Count
NSPS XXX	Municipal Solid Waste Landfills	1
NESHAP LLL	Portland Cement Manufacturing	1
NESHAP UUUUU	Coal- and Oil-Fired Electric Utility Steam Generating Units	1
NESHAP MM	Chemical Recovery Combustion Sources at Pump Mills	4
NSPS JJJJ	Spark Ignition Internal Combustion Engines	13
NESHAP JJJJJ	Industrial, Commercial, and Institutional Boilers	26
NSPS IIII	Compression Ignition Internal Combustion Engines	54
NSPS: Ja & OOOOa. NESHAP: AA, CC, GG, NNN, UUU, VVV, XXX, & CCCC.	Petroleum Refineries; Crude Oil and Natural Gas Facilities. Phosphoric Acid Manufacturing; Petroleum Refineries; Aerospace Manufacturing and Rework; Wool Fiberglass Manufacturing; Petroleum Refineries (catalytic cracking and reforming and sulfur recovery); Publicly Owned Treatment Works; Ferroalloys Production; Manufacturing Nutritional Yeast	0

# Presentation Outline

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- Background
- Proposed adoption of:
  - New federal regulations
  - Rules to implement amended federal emission guidelines for municipal solid waste landfills
  - Amended federal plan for municipal solid waste landfills
  - Amended federal regulations
- Proposed EQC action

# Background Information - Federal AQ Regulations

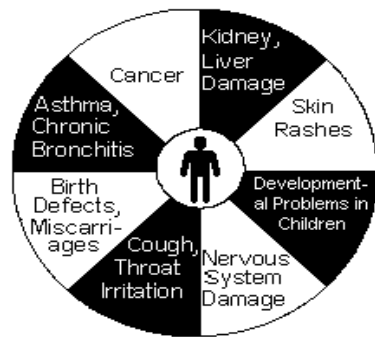
## National Emission Standards for Hazardous Air Pollutants (NESHAP)

New Sources



Existing Sources

### Pollutants



### Hazardous Air Pollutants (HAP)

### Sources



Major Sources  
(≥ 10/25 tons)



Area Sources  
(< 10/25 tons)



# Background Information – Federal AQ Regulations

## New Source Performance Standards (NSPS)

New Sources



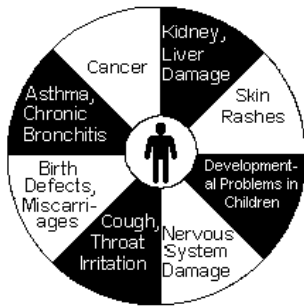
## Emission Guidelines

Existing Sources

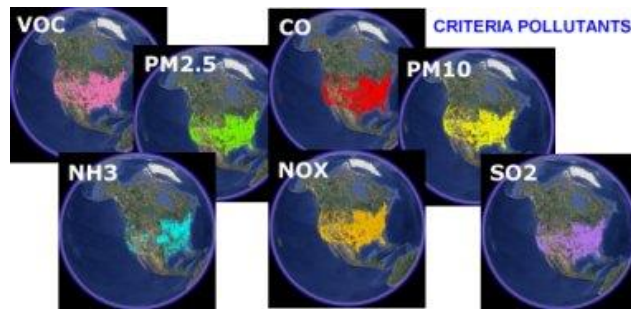


## Pollutants

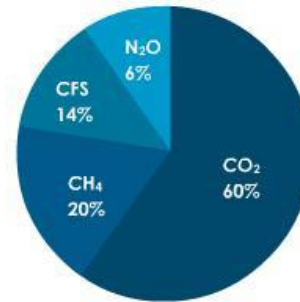
## Sources



HAPs



Criteria Pollutants



Greenhouse Gases



# Background Information – Federal AQ Regulations



**New Source  
Performance Standards  
(NSPS)**



**National Emission Standards  
for Hazardous Air Pollutants  
(NESHAP)**



**Emission Guidelines**

## EPA Adoption

**Do not apply upon EPA adoption**

## State Adoption/Implementation

**Apply upon state adoption or  
adoption of federal plan**

## EPA Adoption

**Apply upon EPA adoption**

# Proposed Rules – Adopt New Federal Standards



- **Adopt by reference**

- One new NSPS regulation (40 C.F.R. Part 60, Subpart XXX)
- New/Modified Municipal Solid Waste Landfills





# Proposed Rules – Adopt Rules to Implement Amended Federal Emission Guidelines

- **Adopt mostly by reference**

- Amended emission guidelines (40 C.F.R. Part 60, Subpart Cf)
  - Existing Municipal Solid Waste Landfills



# Proposed Rules – Adopt by Reference – Amended Federal Standards

- **NESHAPs (examples):**
  - Petroleum Refineries
  - Aerospace manufacturing and rework
  - Portland Cement Manufacturing
  - Wool Fiberglass Manufacturing
  - Publicly Owned Treatment Works
  - Coal and Oil Fired Electric Utility Steam Generating Units
- **NSPSs (examples):**
  - Stationary Compression and Spark Ignition Internal Combustion Engines
  - Crude Oil and Natural Gas Facilities

# Summary

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- This rulemaking proposes:
  - Adoption of new federal standards
  - Re-adoption of amended standards
  - Rules to implement amended federal emission guidelines for municipal solid waste landfills
- Public Comment

# DEQ Recommendation

DEQ recommends that the Environmental Quality Commission:

1. Adopt the proposed rules as seen in Attachment A as part of Chapter 340 of the Oregon Administrative Rules; and
2. Approve incorporating the amended OAR 340-236-0010 into the Oregon Clean Air Act State Implementation Plan under OAR 340-200-0040; and
3. Direct DEQ to submit the SIP revision to the U.S. Environmental Protection Agency for approval; and
4. Direct DEQ to submit the Oregon Amended State Plan to Implement the Emission Guidelines for Municipal Solid Waste Landfills to the U.S. Environmental Protection Agency for approval.