

# **Air Regulations for Municipal Solid Waste Landfills**

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Air Pollution Control Division



# All Colorado Landfills

## ★ State Regulations

- File an APEN & Obtain a Permit from the APCD
- Implement Fugitive Dust Control Measures

## ★ Federal Regulations

- NSPS Subparts Cc and WWW
- MACT Subpart AAAAA

# APCD Permit Types

## \* Construction Permit

- For smaller landfills, based on design capacity
- Once finalized, valid indefinitely unless changes will be made at the facility
- Include emissions limits and particulate emission (dust) control measures
- APEN update must be submitted every five years

# APCD Permit Types

- ★ Operating Permit (Title V Permit)
  - For landfills with a design capacity above 2.5 million megagrams & 2.5 million cubic meters
  - Must be renewed every 5 years
  - Include emissions limits, dust control measures, landfill gas sampling & emissions reporting
  - May include landfill gas control system

# Fugitive Dust Controls

- ★ Specific measures are described in the permit
- ★ Must be implemented
- ★ Facility is responsible for demonstrating compliance

# Common Control Measures

- ★ Speed Limits
  - Must be posted AND observed by drivers
- ★ Haul Roads
  - Water as needed to control dust
  - Other controls may include MgCl, gravel, recycled asphalt
- ★ Stockpiles
  - Water as needed to control dust



**Excess Fugitive Dust**

# NSPS Cc & WWW

- ★ File a Design Capacity Report with APCD
- ★ File an Amended Design Capacity Report when the landfill's capacity changes
  - Expansion approved by Solid Waste or other authority
  - Due 90 days after the expansion
- ★ May require a Title V (Operating) Permit
  - Based on design capacity
  - Additional compliance requirements can include:
    - ★ NMOC emissions calculations
    - ★ Tier II gas sampling
    - ★ Installation of a gas collection system

# **Air Pollution Control Division Contact Information**

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APCD Website:

<http://www.cdphe.state.co.us/ap/index.html>