Proposed Amended Rule 1157 – PM_{10} Emission Reductions from Aggregate and Related Operations (PAR 1157)

Working Group Meeting #3

Date: May 7, 2026

Time: 9:00 am

Zoom Link:
https://aqmd.zoomgov.com/j/1613715068

Agenda

- Previous Working Group Meeting Summary
- Response to Comments
- Facility Survey Summary
- Proposed Rule Concepts
- Next Steps

Previous Working Group Meeting Summary

Working Group Meeting #2 Recap

- Responded to Working Group Meeting #1 comments regarding enforcement and compliance
- Presented an overview of key information pertaining to:
  - Activity conducted since Working Group Meeting #1
    - Community meetings
    - Site visits and observations
  - Rule 1157 universe development
    - Current facility types
      - General operations and common facility type characteristics

Site Visit and Observations Recap

- Site visits assist in rule development to identify:
  - Potential sources of fugitive dust from aggregate and related operations
  - Existing practices to mitigate PM_{10} emission
  - Challenges to comply and potential regulatory gaps with existing Rule 1157 requirements
- Potential fugitive dust sources observed at aggregate facilities is summarized in the following table:

Source of Fugitive Dust	Rule 1157 Requirements	Regulatory Takeaway
Storage Pile	Paragraph (d)(6)	Area of Concern
Paved Roads and Sidewalks	Paragraph (d)(7)	Effective but Strengthen
Unpaved Roads and Sidewalks	Paragraph (d)(7)	Area of Concern
Track Out	Paragraph (d)(8)	Area of Concern
Aggregate Loads on Vehicle Beds	Paragraph (d)(8)	Area of Concern

Response to Comments

Stakeholder Comments

Comments received from Working Group Meeting #2

- Staff received comment letters from CalCIMA, the following are key comments identified:

Key Comment #1

Existing provisions should remain the primary compliance mechanism, additional requirements may be redundant

Key Comment #2

Additional measures should be required for repeat offenders

Key Comment #3

There should be more focus on truck operator behavior rather than facility responsibility

Key Comment #4

Survey responses mostly comprise of over-achieving facilities with District permits and will create data gaps for chronically noncompliant/temporary facilities

Key Comment 1:

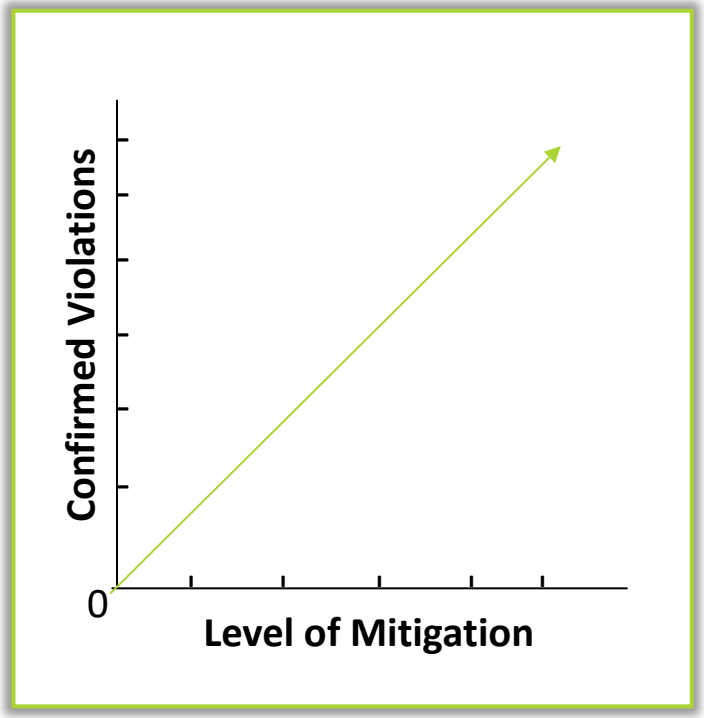
Existing provisions should remain the primary compliance mechanism, additional requirements may be redundant

- Staff has evaluated the efficacy of existing rule requirements to reduce fugitive dust emissions and identified provisions that could be modified or strengthened
- Additional information regarding proposed rule concepts to strengthen existing rule provision will be discussed in later slides, such as:
  - Establishing new recordkeeping requirements
  - Replacing “as needed” language with frequency specifications for a streamlined compliance approach

Key Comment 2:

Additional measures should be required for repeat offenders

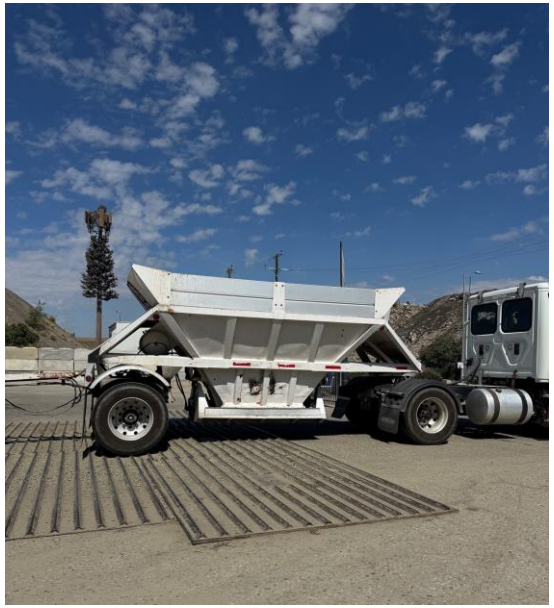
- Staff agrees additional measures should be required for repeat offenders
- Staff is introducing a tiered based approach that increases in mitigation measures with the number of triggers for each emission source
- Additional information regarding requirements for repeat offenders will be shared in later slides



Key Comment 3:

There should be more focus on truck operator behavior rather than facility responsibility

- Facility operators are responsible for activities within facility boundaries, including:
  - Limiting truck speeds
  - Covering truck beds with tarps
  - Follow prescriptive path for appropriate drive over rumble grates or other controls
- Facility operators must also post signage to inform truck operators of best practices



Key Comment 4:

Survey responses mostly comprise of over-achieving facilities with District permits and will create data gaps for chronically noncompliant/temporary facilities

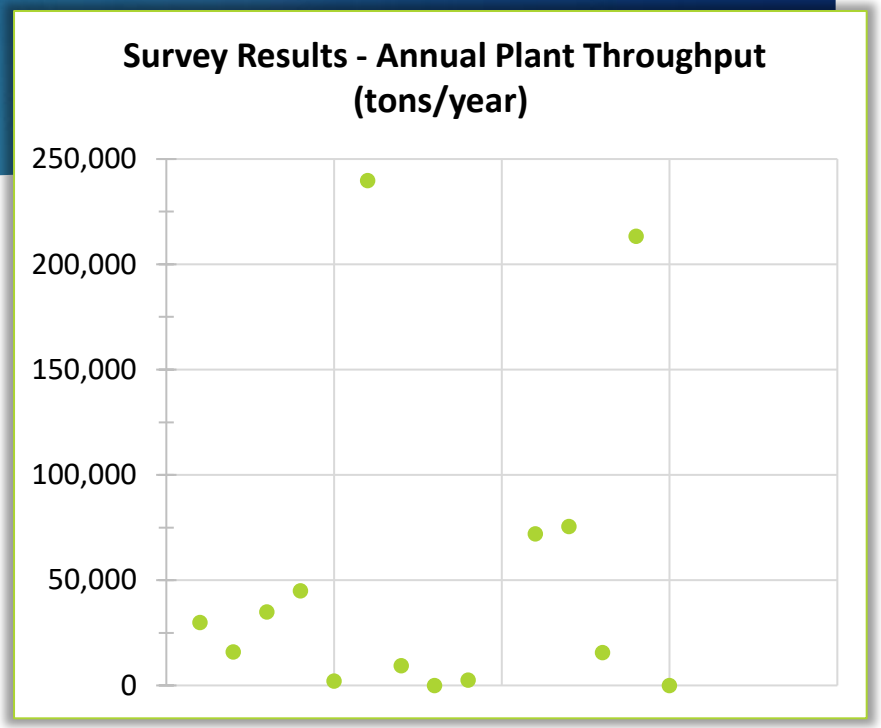
- Facility survey was distributed to both permanent and temporary operations that deal with aggregate materials
  - Temporary operations include businesses that have been at a location for < 2 years
- Staff strongly encourages stakeholders to submit survey by the end of May
  - Survey submittal is strongly recommended to prevent data bias and allow for the most accurate possible representation of industry

Facility Survey Summary

Facility Survey Introduction

- Last Rule 1157 rulemaking record was in 2006
- Existing operation data may be outdated as facility needs may have changed over time
  - Potential changes to quantity of equipment, dust mitigation methods, etc
- Staff recently distributed an operational survey to facilities that may be subject to PAR 1157
  - Part of due diligence in obtaining the latest up-to-date information
  - Data will be used for rule making purposes only

Facility Survey Results

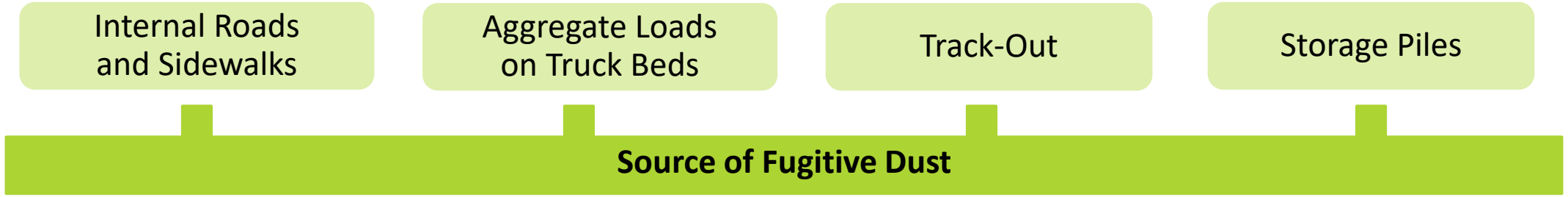


- Survey contents included an inquiry regarding:
  - Type of materials and operation
  - Annual throughput of processed materials
  - Control equipment
  - Dust mitigation methods
- Information gathered from the survey results will be used to develop initial rule concepts to strengthen Rule 1157 requirements
- Staff is still accepting survey submissions through <u>May 31, 2026</u>

Proposed Rule Concepts

Overview of Staff Observations

- Staff visited various aggregate and related operations to identify potential fugitive dust sources
  - Observed fugitive dust sources include:



- Information gathered from site visits and observations will be used to develop initial rule concepts to strengthen Rule 1157 requirements

Initial Rule Concepts

Subdivision	Staff Observations	Current Requirement	Proposed Requirement
(a) Applicability / (b) Purpose / (c) Definitions	Need to include transfer stations for rule applicability	Does not include transfer stations	Include transfer stations
(d) Requirements / (e) Recordkeeping	Inconsistent frequencies and limited recordkeeping	Dust control application and limited recordkeeping	Specified frequencies and expanded recordkeeping
(g) Triggered Requirements	Limited triggers	Based on plume size and opacity	Include track-out violations as potential trigger

- Additional information will be provided in the following slides

Applicability, Purpose, and Definitions

- Rule 1157 currently applies to operations that produce, use, crush, or handle aggregate materials (e.g. sand, gravel, cement, rocks, or construction/demolition debris) in their products
  - Includes inert landfills that handle construction/demolition debris
- Staff is proposing to expand applicability to include transfer stations that handle construction and demolition debris
  - Based on staff observations, these operations generate fugitive dust

Transfer Stations

***TRANSFER STATION** means a facility or an operation that receives, handles, separates, or otherwise processes construction and demolition debris directly from one facility or operation to another for further processing or disposal. A landfill is not a transfer station.*

- Transfer stations will be required to:
  - Register with South Coast AQMD within 6 months of rule adoption
  - Comply with all Rule 1157 requirements by 6 months of rule adoption
- Staff is requesting stakeholder feedback on the definition of transfer stations

Implementation Schedule

Timeline	Requirement
Rule Adoption	Currently applicable facilities must adhere to Rule 1157 requirements
No Later than 6 months After Rule Adoption	Transfer stations must register with South Coast AQMD
6 months After Rule Adoption	All aggregate and related operations (including transfer stations) must adhere to Rule 1157 requirements

Dust Control Application Frequency

- Dust control frequency is not specified in Rule 1157
- PAR 1157 seeks to reduce fugitive dust emissions from both active and passive operations by establishing regimented dust control frequency with recordkeeping

Active Operations	Passive Operations
Loading, Unloading, and Transferring Activities	Storage Piles
Conveyors	Internal Paved and Unpaved Roads
Crushing Equipment	Track-Out Mitigation
Screening Equipment	

Dust Control Application Frequency – Active Operations

- Staff seeks to reduce fugitive dust emissions by establishing minimum application frequency for dust control for each emission source

Paragraph	Emission Source	Current Requirement	Proposed Requirement
(d)(2)	Loading, Unloading, and Transferring Activities	Use dust suppressants “as necessary”	Continuously while processing aggregate or related material
(d)(3)	Conveyors	Apply dust suppressants “as necessary”	
(d)(4)	Crushing Equipment	Apply dust suppressants “as necessary”	
(d)(5)	Screening Equipment	Apply dust suppressants “as necessary”	

Dust Control Application Frequency – Passive Operations

Paragraph (d)(6) - Storage Piles	
Current Requirement	**Proposed Additional Requirement**
Maintain in a “stabilized condition”	Specify frequency of dust control based on storage pile height

Storage Pile Height	Minimum Frequency
< 8 feet	At least once a day
8 – 20 feet	At least every four hours
> 20 feet	At least every other hour

Dust Control Application Frequency – Passive Operations (cont'd)

Paragraph (d)(7) - Internal Unpaved and Paved Roads	
Current Requirement	**Proposed Additional Requirement**
Maintain in a "stabilized condition"	Specify frequency of dust control based on facility's monthly throughput of processed material

Monthly Throughput	Minimum Frequency
< 2,000 tons	At least once a day
2,000 – 8,000 tons	At least every four hours
> 8,000 tons	At least every other hour

Dust Control Application Frequency – Passive Operations (cont'd)

Paragraph (d)(8) - Track-Out Mitigation	
Current Requirement	**Proposed Additional Requirement**
Apply dust suppressants in "sufficient quantities"	Specify frequency of dust control for applicable equipment (including pathways)based on facility's monthly throughput of processed material

Monthly Throughput	Minimum Frequency
< 2,000 tons	At least once a day
2,000 – 8,000 tons	At least every four hours
> 8,000 tons	At least every other hour

Gravel Pad

- PAR 1157 seeks to establish minimum frequency of water application and replacement of gravel pads to reduce fugitive dust

Paragraph	Rule Aspect	Current Requirement	Proposed Requirement	Purpose
(d)(1)(E)	Flush gravel pad	Water application “as necessary”	Set frequencies – daily	Establish minimum application frequency for dust control
(d)(1)(E)	Gravel pad replacement	Replacement “as necessary”	Set frequencies – every ten years	Establish minimum replacement frequency

Recordkeeping Requirements

- Rule 1157 currently requires recordkeeping under subdivision (e) based on existing requirements
  - Does not capture every emission source
- Revised recordkeeping requirements to reflect all amendments in subdivision (d)

Additional Requirements Triggered by Recurrent Violations (Triggered Requirements)

- Rule 1157 currently requires facilities with multiple triggers to submit an emission reduction plan
  - Limited to triggers based on dust plume size and opacity
  - Resolutions are open ended
- Amendments aim to ensure effective dust mitigation for facilities with multiple triggers
  - Expand triggers to include track-out
  - Establishing tier based specific requirements for multiple triggers

Triggered Requirements

Paragraph	Rule Aspect	Current Requirement	Proposed Requirement	Purpose
(g)(1)	Applicability	Within 500 meters of off-site occupied buildings, houses, or sensitive receptor	Within 1640 feet of off-site occupied buildings, houses, or sensitive receptor	Align measurement unit with rest of rule
(d)(1)(A)(i)	Triggers	Based on plume size and opacity	Include track-out as potential trigger	Expand applicability
(g)(1)(A)	Resolution	Submit emission reduction plan	Emission control measures based on number of triggers for each emission source	Establish prescriptive measures to further reduce dust emissions

Tiered approach - progressively stronger requirements with higher quantities of triggers

Next Steps

Next Steps

Next Working Group meeting

Release preliminary draft rule language

Release preliminary draft staff report

How to file a complaint?

The public can file complaints by:

Calling 1-800-CUT-SMOG (1-800-288-7664)

Visiting www.AQMD.gov/Complaints

Using the South Coast AQMD Mobile App

Download the app here

Email Subscription

https://www.aqmd.gov/sign-up

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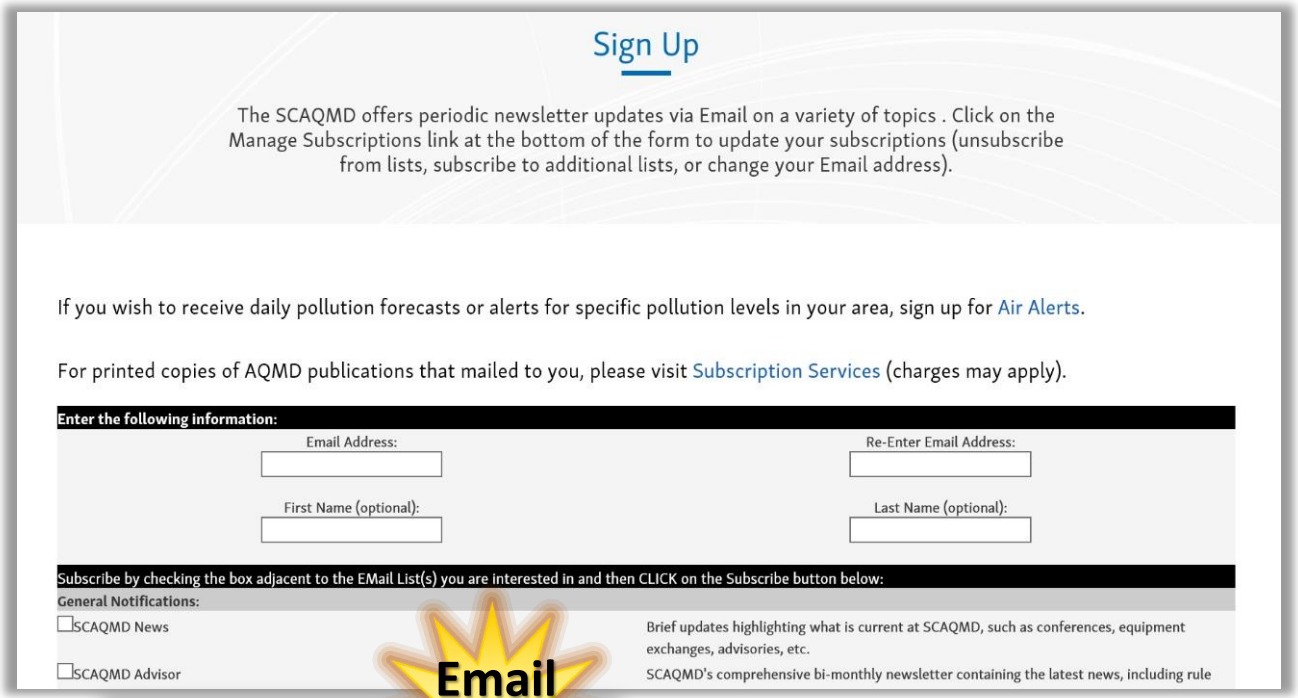
- ☑ Rule 1157



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