

Proposed Amended Rule 1157 – PM₁₀ Emission Reductions from Aggregate and Related Operations (PAR 1157)



Working Group Meeting #4

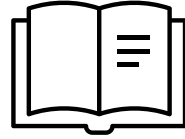
Date: June 4, 2026

Time: 2:00 pm

Zoom Link:

<https://aqmd.zoomgov.com/j/1613715068>

Agenda



Previous Working Group Meeting
Summary



Initial Rule Language



Next Steps



Previous Working Group Meeting Summary



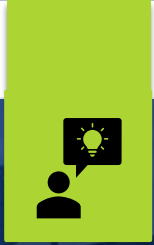
Working Group Meeting #3 Recap

- Responded to Working Group Meeting #2 comments regarding existing rule provisions, facility responsibility, and facility survey
- Presented an overview of key information pertaining to:
 - Facility survey
 - Proposed rule concepts
 - Specified frequencies for dust control application
 - Enhanced recordkeeping
 - Triggered requirements for recurrent violations

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 application due to limitations in triggers	Triggers only apply to plume size and opacity	Include track-out violations as potential trigger and include prescribed actions to triggered requirements




Initial Rule Language





Initial Rule Language Overview

- PAR 1157 will have updates to the following sections:
 - Subdivision (c) – Definitions
 - Subdivision (d) – Requirements
 - Subdivision (e) – Construction and Demolition Debris Transfer Stations
 - Subdivision (f) – Recordkeeping
 - Subdivision (h) – Triggered Requirements for Recurrent Violations
- **Rule language shown are early preliminary drafts and subject to change**
- Staff is presenting information to get stakeholder feedback on PAR 1157



Initial Rule Language Subdivision (c) – Definitions



Related Operations



Definition will be updated to include construction and demolition debris transfer stations

RELATED OPERATIONS are defined as operations that use sand, gravel, cement, crushed stone, and/or quarried rocks in their products, or crush miscellaneous base, inert landfills that handle construction/demolition debris, and Construction And Demolition Debris Transfer Stations.

- Related operations originally did not include construction and demolition debris transfer stations in the definition
- Staff is proposing to expand applicability to include construction and demolition debris transfer stations
 - Based on staff observations, these operations generate fugitive dust

Construction and Demolition Debris Transfer Station



Definition will be added to expand rule applicability and address fugitive dust from these facilities/operations

CONSTRUCTION AND DEMOLITION DEBRIS TRANSFER STATION means a facility or an operation that receives, handles, separates, stores, or otherwise processes inert construction and demolition debris, such as concrete, fully cured asphalt, brick, slag, ceramics, plaster, clay and clay products, directly from one facility or operation, where the debris is subsequently transferred to another facility for further processing or disposal. A landfill is not a Construction And Demolition Debris Transfer Station.

- PAR 1157 seeks to include transfer stations handling construction and demolition debris not required to apply for permits or registrations
 - Requirements for these transfer stations will be discussed in later slides
- **Staff is seeking stakeholder feedback on definition language**



Initial Rule Language Subdivision (d) – Requirements

General Performance Standards



Reduce fugitive dust emissions for aggregate and related operations

Paragraph	Rule Aspect	Current Requirement	Proposed Rule Language	Purpose
(d)(1)(A)	General performance standards for each emission source	Limited to dust plume opacity and size	<u>Track-Out to extend 15 feet or more in cumulative length originating from the exit of the facility.</u>	Include track-out as a general performance standard
(d)(1)(B)	Material spillage on any internal paved roads	“Promptly” remove	The <u>owner or operator</u> of a facility/operation shall promptly remove any pile of <u>Mmaterial Sspillage</u> on any internal <u>Ppaved Rroads</u> <u>within one hour from time of spillage and maintain records of Material Spillage specified in subparagraph (f)(1)(A).</u> -Alternatively, the <u>owner or operator</u> shall maintain in a stabilized condition the pile of material spillage with apply Ddust Ssuppressants every hour, and remove <u>Material Spillage</u> by the end of each day, <u>and maintain records specified in subparagraph (f)(1)(A).</u>	Specify minimum frequency of material spillage maintenance

General Performance Standards (cont.)



Reduce open ended discretion by establishing minimum frequency of water application and replacement of gravel pads

Paragraph	Rule Aspect	Current Requirement	Proposed Rule Language	Purpose
(d)(1)(E)	Flush gravel pad	Water application "as necessary"	Is flushed with water <u>daily</u> or is completely replaced, as necessary to and maintain records specified in subparagraph (f)(1)(C) comply with the Track Out threshold set forth in Rule 403; and	Establish minimum application frequency for dust control
(d)(1)(E)	Gravel pad replacement	Replacement "as necessary"	<u>Is completely replaced every 10 years or as necessary to comply with the Track-Out threshold pursuant to clause (d)(1)(A)(iv).</u>	Establish minimum replacement frequency

Requirements for Active Operations



Reduce open ended discretion by establishing minimum frequency of dust control at each emission source for active operations

Paragraph	Emission Source	Current Requirement	Proposed Rule Language
(d)(2)	Loading, Unloading, and Transferring Activities	Use dust suppressants “as necessary”	Continuously apply dust suppressants 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”	

Storage Piles



Reduce open ended discretion by establishing minimum frequency of dust control based on storage pile height

Paragraph	Rule Aspect	Current Requirement	Proposed Rule Language	Purpose
(d)(6)(A)	Storage pile	Maintain in a “stabilized condition”	<ul style="list-style-type: none"> (i) <u>An Open Storage Pile of materials with a height of more than 20 feet shall use Dust Suppressants at least every other hour and as necessary to maintain in a stabilized condition, whichever is sooner;</u> (ii) <u>An Open Storage Pile of materials with a height of eight to 20 feet shall use Dust Suppressants at least every four hours and as necessary to maintain in a stabilized condition, whichever is sooner; or</u> (iii) <u>An Open Storage Pile of materials with a height of less than eight feet shall use Dust Suppressants at least once a day and as necessary to maintain in a stabilized condition, whichever is sooner.</u> 	Establish minimum frequency of dust control application based on storage pile height

Storage Piles (cont.)



Reduce open ended discretion by establishing minimum frequency of dust control for storage piles near off-site occupied buildings/houses

Paragraph	Rule Aspect	Current Requirement	Proposed Rule Language	Purpose
(d)(6)(D)	Storage piles within 300 feet of off-site occupied buildings/houses	Operate a water irrigation system on the storage pile	<p>The owner or operator of a facility/operation shall <u>limit</u> not allow any <u>Open Storage Piles</u> of materials to <u>less</u> be greater than or equal to eight feet <u>in</u> height if such piles are located within 300 feet of off-site occupied buildings or houses <u>and implement one of the following</u>. Alternatively, the operator of a facility/operation shall operate a water irrigation system to maintain in a stabilized condition the entire surface of the piles.</p> <p><u>Operate a Water Irrigation System at least every other hour or as necessary to maintain in a stabilized condition the entire surface of the Open Storage Piles, whichever is sooner; or</u></p> <p><u>Install a wind screen fence of equal or greater height of the Open Storage Pile between the Open Storage Pile and off-site occupied buildings or houses.</u></p>	Establish requirements for storage piles within 300 feet of off-site occupied buildings/houses

Storage Piles (cont.)



Reduce open ended discretion by establishing minimum frequency of dust control for storage piles near property boundary

Paragraph	Rule Aspect	Current Requirement	Proposed Rule Language	Purpose
(d)(6)(E)	Storage piles within 30 feet of property boundary	No limitations/requirements for storage piles within 30 feet of property boundary	<p><u>The owner or operator of a facility/operation shall not allow any Open Storage Piles of materials to be within 30 feet of the facility's property boundary that faces any public road, unless:</u></p> <ul style="list-style-type: none"> (i) <u>The materials are stored in a Silo or a Bunker with at least two feet of freeboard from the highest portion of the piles; or</u> (ii) <u>The operator installs a wind screen fence of equal or greater height of the Open Storage Pile at the property boundary that faces any public road.</u> 	Establish requirements for storage piles within 30 feet of property boundary

Internal Roads



Reduce open ended discretion by establishing minimum frequency of dust control for internal roads

Paragraph	Rule Aspect	Current Requirement	Proposed Rule Language	Purpose
(d)(7)(A)	Internal unpaved haul roads	Maintain in a “stabilized condition”	The <u>owner</u> or operator of a facility/operation shall apply <u>C</u> hemical <u>S</u> tabilizers on the internal unpaved <u>H</u> aul <u>R</u> oads <u>at least once per day</u> so that the surface is maintained in a stabilized condition <u>to meet general performance standards pursuant to paragraph (d)(1) and maintain records specified in subparagraph (f)(3)(A).</u>	Establish minimum frequency of dust control application
(d)(7)(B)	Internal unpaved non-haul roads	Maintain in a “stabilized condition”	The <u>owner</u> or operator of a facility/operation shall apply <u>C</u> hemical <u>S</u> tabilizers <u>on such U</u> n <u>p</u> aved <u>R</u> oads and parking and <u>S</u> taging <u>A</u> reas <u>at least once per day</u> so that the surface is maintained in a stabilized condition <u>and maintain records specified in subparagraph (f)(3)(B), or apply a gravel pad that meets the criteria set forth in subparagraph (d)(1)(E) on the entire unpaved non-haul road and/or the parking and S</u> taging <u>A</u> reas.	Establish minimum frequency of dust control application

Internal Roads (cont.)



Reduce open ended discretion by establishing minimum frequency of dust control for internal roads

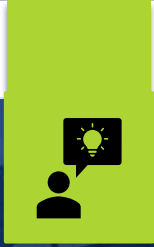
Paragraph	Rule Aspect	Current Requirement	Proposed Rule Language	Purpose
(d)(7)(C)	Internal paved roads	Apply water “as necessary”	The <u>owner or operator</u> of a facility/operation with less than 60 aggregate and/or <u>Mm</u> ixer <u>T</u> trucks exiting the facility on any day shall sweep the internal <u>Pp</u> aved <u>Rr</u> oads with a street sweeper by the end of every other work day. -On the days that the roads are not swept, the operator shall apply water <u>at the end of each Production Work Shift or as necessary to comply with subparagraph (d)(1)(A) on at least 100 feet of Ppaved Rroads, or the entire length of Ppaved Rroads leading to an exit to public Ppaved Rroads, if such roads are less than 100 feet long.</u>	Establish minimum frequency of dust control application

Track-Out

Reduce open ended discretion by establishing requirements that will manage track-out



Paragraph	Rule Aspect	Current Requirement	Proposed Rule Language	Purpose
(d)(8)(A)	Track-out	No specific requirements for managing track-out at active operation emission sources	<u>All Track-Out originating from an emission source at an Aggregate or Related Operation shall be removed at the End of Work Day or conclusion of each Production Work Shift, whichever is sooner.</u>	Establish minimum frequency of track-out removal
(d)(8)(D)	Use of rumble grates/wheel washers	No specific requirements for rumble grates/wheel washers or signage	<u>The Rumble Grate and Wheel Washer shall be of equal width of the facility exit leading to a public paved road.</u> <u>The operator shall post a sign indicating all aggregate and Mixer Trucks to drive through a dedicated pathway, which lead to the Rumble Grate, the Wheel Washer, or the Truck Washer, while leaving the facility.</u>	Establish requirements for use of rumble grates/wheel washers

The background is a photograph of a construction or demolition site, heavily overlaid with a semi-transparent blue filter. It shows large piles of rocks and debris, a piece of heavy machinery, and a small structure in the distance.

Initial Rule Language

Subdivision (e) – Construction and Demolition Debris Transfer Stations

Registration Requirement



Construction and demolition debris transfer stations will be required to register with South Coast AQMD

- Staff has observed fugitive dust from construction and demolition debris transfer stations
- The registration of construction and demolition debris transfer stations into the South Coast AQMD system will allow for:
 - improved visibility
 - increased PM10 emission reduction actions

Construction and Demolition Debris Transfer Stations:

- (1) No later than [6 Months After Rule Amendment], the owner or operator of a Construction And Demolition Debris Transfer Station shall register with the South Coast Air Quality Management District by submitting the following information in a format approved by the Executive Officer:
 - (A) Facility Name;
 - (B) Facility location address and mailing address;
 - (C) Facility legal owner(s), telephone number, email address, and mailing address;
 - (D) Site manager, email address, and telephone number
 - (E) Hours of operation;
 - (F) Facility acreage
 - (H) Facility ID issued by the South Coast Air Quality Management District, if applicable;

On Ramp to Adhere to Rule Requirements

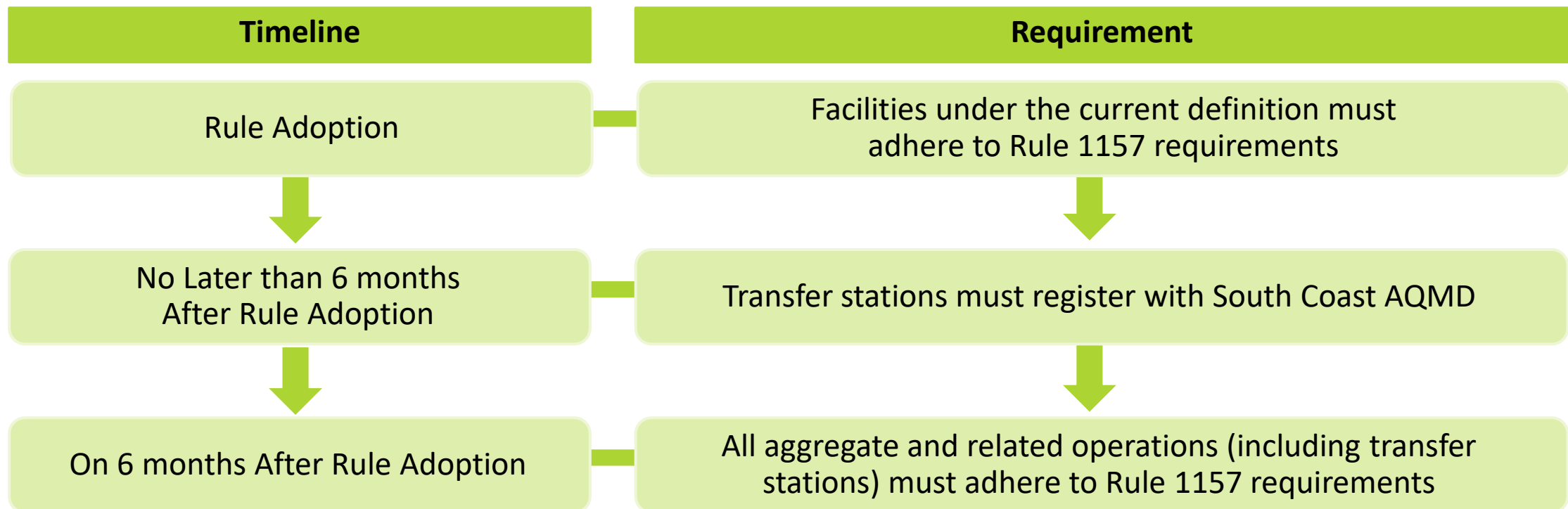


Construction and demolition debris transfer stations will have limited time to adhere to all Rule 1157 requirements

- On the date of 6 months after rule amendment, construction and demolition debris transfer stations will be subject to applicable requirements and recordkeeping requirements



Implementation Schedule





Initial Rule Language Subdivision (f) – Recordkeeping

Recordkeeping Requirements



Update recordkeeping requirements to reflect amendments in subdivision (d)

- Current Rule 1157 recordkeeping requirements are limited and not capture every potential emission source
- PAR 1157 expands recordkeeping in line with expanded requirements

- (1) General Performance Standards
 - (A) Records of Material Spillage on any internal Paved Roads pursuant to subparagraph (d)(1)(B), including:
 - (i) Time and location of Material Spillage and removal; and
 - (ii) Times of Dust Suppressant application.
 - (B) Records of Dust Suppressant application and time of removal for all other Material Spillage or Carry-Back pursuant to subparagraph (d)(1)(C).
 - (C) Records of Gravel Pad maintenance including location of gravel pad, date of water flush pursuant to clause (d)(1)(E)(iii), and date of latest replacement pursuant to clause (d)(1)(E)(iv).

Recordkeeping Requirements (cont.)



Update recordkeeping requirements to reflect amendments in subdivision (d)

(2) Storage Piles

- (A) Records of dust control method and application frequency for an Open Storage Pile to include:
 - (i) Material of storage pile;
 - (ii) Type of dust control method used to meet the performance standards pursuant to subparagraph (d)(1)(A); and
 - (iii) Dates and times of dust control application pursuant to paragraph (d)(6).
- (B) Records of date, time, and method of Dust Suppressant applied to stabilize disturbed areas at the end of each work day pursuant to subparagraph (d)(6)(C).

(3) Internal Roads

- (A) Records of time, date, and stabilizer type applied to internal unpaved Haul Roads pursuant to clause (d)(7)(A)(i).
- (B) Records of time, date, and stabilizer type applied to internal unpaved Non- Haul Roads and Parking and Staging Areas pursuant to subparagraph (d)(7)(b).
- (C) Record date, time, and location of street sweeper activity pursuant to clause (d)(7)(C)(iv).

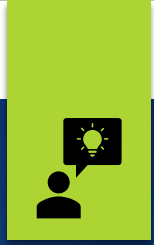
(4) Track-Out

- (A) Records of loaded Aggregate Trucks including time, date, truck license plate, and method of stabilization applied prior to entering public paved roads or the use of Rumble Grate and/or Wheel Washer pursuant to subparagraph (d)(8)(B).



Initial Rule Language Subdivision (h) – Triggered Requirements for Recurrent Violations

Dust Plume Size and Opacity Related Violations



Expansions to existing requirements

- Rule 1157 currently requires facilities with multiple triggers to submit an emission study plan
 - Limited to violations of fugitive dust plume size and opacity
- PAR 1157 will expand this subdivision by:
 - Include violations involving track-out as a trigger type
 - Require facilities with recurrent violations to take specific actions to reduce fugitive dust

Dust Plume Size and Opacity Related Violations



Establish requirements triggered by dust plume size and opacity violations

Violations of General Performance Standard Requirements

(A) The owner or operator of a Permanent or Temporary Facility/Operation located within 1,640 feet of off-site occupied building(s) or sensitive receptor(s) accruing at least three Notices of Violation in any rolling 24-month period, starting from the date of any Notice of Violation, for causing or allowing fugitive dust emissions exceeding the opacity limit specified in clause (d)(1)(A)(i) or a visible plume exceeding 100 feet in any direction specified in (d)(1)(A)(ii), shall:

- (i) Install wind screen fence along the Facility/Operation property boundary facing any off-site occupied building(s) or sensitive receptor(s) within 1,640 feet; and
- (ii) Not allow any Open Storage Pile to exceed the height of the installed wind screen.

(B) The owner or operator of a Permanent or Temporary Facility/Operation located within 1,640 feet of off-site occupied building(s) or sensitive receptor(s) accruing at least six Notices of Violation in any rolling 24-month period, starting from the date of any Notice of Violation, for causing or allowing fugitive dust emissions exceeding the opacity limit specified in clause (d)(1)(A)(i) or a visible plume exceeding 100 feet in any direction specified in clause (d)(1)(A)(ii), shall:

- (i) Install Non-Porous Wall along the facility/operation property boundary facing any off-site occupied building(s) or sensitive receptor(s) within 1,640 feet; and
- (ii) Not allow any Open Storage Pile to exceed the height of the installed Non-Porous Wall.

Track-Out Related Violations



Establish requirements triggered by track-out violations

Violations of Track-Out Requirements

(A) The owner or operator of a Permanent or Temporary Facility/Operation located within 1,640 feet of off-site occupied building(s) or sensitive receptor(s) accruing at least three Notices of Violation in any rolling 24-month period, starting from the date of any Notice of Violation, for causing or allowing Track-Out exceeding the cumulative length limit specified in clause (d)(1)(A)(iii), shall:

- (i) Install a Wheel Washer or a Truck Washer; and
- (ii) Not allow any Haul Trucks and Mixer Trucks to leave the facility without passing through the Wheel Washer or Truck Washer installed pursuant to clause (h)(2)(A)(i).

(B) The owner or operator of a Permanent or Temporary Facility/Operation located within 1,640 feet of off-site occupied building(s) or sensitive receptor(s) accruing at least six Notices of Violation in any rolling 24-month period, starting from the date of any Notice of Violation, for causing or allowing Track-Out exceeding the cumulative length limit specified in clause (d)(1)(A)(iii), shall:

- (i) Pave all Internal Roads used by Haul Trucks and Mixer Trucks;
- (ii) Not allow any Haul Trucks and Mixer Trucks to travel within the facility other than on the Paved Roads installed pursuant to clause (h)(2)(A)(i); and
- (iii) Post signs on the Paved Roads installed pursuant to clause (h)(2)(A)(i) to restrict speed limit to 15 miles per hour.

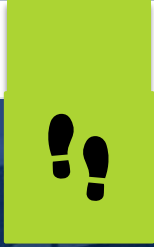
Additional Requirements for Recurrent Violations



Establish additional requirements triggered by recurrent Rule 1157 violations

- PAR 1157 will require recurrent violators to conduct periodic inspections and make any necessary repairs in a timely manner to ensure adequate fugitive dust reduction and maintenance

- (3) Owners and operators of a Permanent or Temporary Facility/Operation subject to requirements specified in paragraph (h)(1) and/or paragraph (h)(2) shall conduct periodic inspections every three calendar months to confirm equipment and/or structures installed are in good working order and maintain records of inspection date specified in paragraph (f)(10).
- (4) Owners and operators of a Permanent or Temporary Facility/Operation subject to requirements specified in paragraph (h)(1) and/or paragraph (h)(2) shall make any necessary repairs within 15 calendar days after an issue was identified pursuant to paragraph (h)(3) and maintain records of repairs specified in paragraph (f)(11).



Next Steps



Next Steps



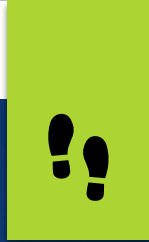
Release preliminary draft rule language and preliminary staff report



Public Workshop



Public Hearing in September 2026



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complaints
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Visiting www.AQMD.gov/Complaints



Using the South Coast AQMD
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Rule 1157

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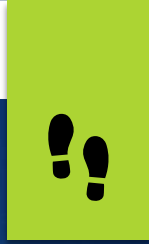
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Please contact staff with any questions or comments



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