

(Adopted December 1, 2017) (Amended [Date of Adoption])

[RULE INDEX TO BE ADDED AFTER RULE ADOPTION]

**PROPOSED AMENDED RULE 1180. FENCELINE AND COMMUNITY AIR MONITORING FOR ~~REFINERY~~ PETROLEUM REFINERIES AND RELATED OPERATIONS ~~FENCELINE AND COMMUNITY AIR MONITORING~~**

(a) Purpose

The purpose of this rule is to require ~~Real-time~~ ~~FenceLine~~ ~~Air~~ ~~Monitoring~~ ~~Systems~~ and to establish a fee schedule to fund refinery-related community air monitoring systems that provide air quality information to the public about levels of various criteria air pollutants, volatile organic compounds, metals, and other ~~compounds~~ air pollutants, at or near the property boundaries of petroleum refineries and in nearby communities.

(b) Applicability

This rule applies to ~~Petroleum Refineries and Facilities with Operations Related to Petroleum Refineries, including but not limited to, Hydrogen Production Plants, Sulfur Recovery Plants, and Terminals. Petroleum Refineries that were subject to Rule 1180 on [Date of Rule Adoption], as indicated by inclusion in Table 2 – Refinery-Related Community Air Monitoring System Fees, will remain subject to Rule 1180, even if they transition some or all of their operations to refining alternative feedstocks, which include: organic material that is not derived from crude oil product, coal, natural gas, or any other fossil-fuel based organic material. This rule does not apply to facilities subject to Rule 1180.1 – Other Refinery FenceLine and Community Air Monitoring.~~

(c) Definitions

For the purposes of this rule, the following definitions shall apply:

- (1) COMMUNITY AIR MONITORING SYSTEM is a combination of equipment that measures and records air pollutant concentrations in communities near a ~~petroleum refinery~~ Facility.
- (2) CORRECTIVE ACTION PLAN is a compliance plan that details the corrective actions a Facility will make to correct any deficiencies identified in an Independent Audit report.

- (3) DATA QUALITY FLAGS are indicators that designate the status, quality, or reliability of the data measured by the Fenceline Air Monitoring System.
- (4) FACILITIES WITH OPERATIONS RELATED TO PETROLEUM REFINERIES are Facilities that have operations related to the refinery processes located on properties adjacent or contiguous to a Petroleum Refinery, including Hydrogen Production Plants, Sulfur Recovery Plants, and Terminals.
- (5) FACILITY is any Petroleum Refinery or Facility with Operations Related to Petroleum Refineries.
- (6) FENCELINE AIR MONITORING PLAN (FAMP) is a compliance plan that provides detailed information about air monitoring instrumentation, maintenance and quality control procedures, backup systems, auditing, and data reporting methods. The FAMP includes the Facility's Quality Assurance Project Plan (QAPP) that details the project objectives, procedures, and tasks performed to ensure the Fenceline Air Monitoring System is producing reliable data.
- (~~27~~) FENCELINE AIR MONITORING SYSTEM is a combination of equipment that measures and records air pollutant concentrations at or near the property boundary of a ~~petroleum refinery~~ Facility, including data systems that store historical data, public websites where data is displayed, and public fenceline notification systems.
- (8) HYDROGEN PRODUCTION PLANT is a Facility that produces hydrogen by steam hydrocarbon reforming, partial oxidation of hydrocarbons, or other processes which primarily supplies hydrogen for Petroleum Refineries.
- (9) INDEPENDENT AUDIT is an assessment conducted by a qualified independent party, i.e., a party that has not worked on the implementation of Rule 1180 fenceline air monitoring by the Facility, regarding the Facility's Fenceline Air Monitoring System, its implementation, operation, maintenance, and quality assurance procedures.
- (10) NOTIFICATION THRESHOLD is a health standard-based level, or a level developed by the Executive Officer through an informational analysis of past fenceline monitoring data, above which Facilities are required to send a fenceline notification.
- (~~311~~) PETROLEUM REFINERY is a facility that is permitted to process petroleum, as defined in the Standard Industrial Classification Manual as Industry No. 2911.
- (~~412~~) REAL-TIME is the actual or near actual time during which air pollutant levels occur at or near the property boundary of a petroleum refinery or in a nearby community.

- (~~513~~) ~~RULE 1180~~ REFINERY FENCELINE AIR MONITORING PLAN GUIDELINES are a written framework to be used by the Executive Officer to evaluate a refinery ~~fenceline air monitoring plan~~ FAMP.
- (14) ROOT CAUSE ANALYSIS is an analysis conducted by a Facility to determine the cause of an air pollutant being measured above an applicable Notification Threshold.
- (15) SULFUR RECOVERY PLANT are units within a Petroleum Refinery, or a separate Facility, that recovers elemental sulfur or sulfur compounds from sour or acid gases and/or sour water generated by Petroleum Refineries.
- (16) TERMINAL is an industrial facility used to store and/or transfer crude oil, petroleum products, and/or petrochemical products.
- (d) Plan Requirements
- (1) No later than August 1, 2018, or at least one year prior to commencing operations at a new Petroleum Refinery, the owner or operator of a Facility shall submit to the Executive Officer a written ~~fenceline air monitoring plan~~ FAMP for establishing and operating a ~~Real-Time Fenceline Air Monitoring~~ System.
- (2) No later than six months after [Date of Rule Adoption], the owner or operator of a Facility with an existing Fenceline Air Monitoring Plan (FAMP) shall submit a revised FAMP to include:
- (A) Any Facilities with Operations Related to Petroleum Refineries;
- (B) Any air pollutant in Table 1 that was not addressed in the Facility's previous FAMP; and
- (C) Any requirement in paragraph (d)(4) that was not addressed in the Facility's previous FAMP.
- (3) No later than one year after [Date of Rule Adoption], the owner or operator of a Facility With Operations Related To Petroleum Refineries without an existing FAMP shall submit to the Executive Officer a written FAMP for establishing and operating a Real-Time Fenceline Air Monitoring System.
- (24) The owner or operator of a Facility shall revise an existing FAMP or shall prepare ~~The fenceline air monitoring plan~~ a FAMP ~~shall~~ in accordance with the Refinery Fenceline Air Monitoring Plan Guidelines and provide the following detailed information:

- (A) Equipment to be used to continuously monitor, record, and report air pollutant levels for the air pollutants specified in Table 1, in ~~Real-Time~~, at or near the property boundary of the ~~petroleum refinery~~Facility;
- ~~(B) A technical justification for not including Real-Time fenceline air monitoring for any of the air pollutants specified in Table 1, consistent with the criteria in the Refinery Fenceline Air Monitoring Guidelines;~~
- ~~(C) Equipment to be used to continuously monitor, record, and report wind speed and wind direction, installed in at least one location per Petroleum Refinery;~~
- ~~(B) Siting and equipment specifications;~~
- ~~(D) Equipment specifications and facility maps with locations of fenceline air monitoring equipment;~~
- ~~(E) Procedures for implementing quality assurance by a qualified independent party, including quality control and audits of the fenceline air monitoring systems;~~
- ~~(E) Procedures for implementing the fenceline air monitoring plan FAMP, including, information pertaining to the installation, operation, maintenance, and quality assurance and quality control, for the Fenceline Air Monitoring System;~~
- (~~D~~E) Procedures for fenceline air monitoring equipment maintenance and failures. The procedures for equipment maintenance and failures shall include a plan that describes the maintenance activities necessary to maintain proper performance of the fenceline air monitoring equipment and a plan that ~~deals with~~addresses equipment failures. At a minimum, the maintenance and failure plan shall describe the following:
  - (i) Routine maintenance requirements for equipment;
  - (ii) A planned schedule for routine maintenance performed on equipment;
  - (iii) Estimated ~~L~~length of time that equipment will not be operating during routine maintenance activities; and
  - (iv) Temporary ~~air monitoring measures~~measurements that will be implemented in the event of an equipment failure or during routine maintenance activities and used until the ~~F~~Fenceline ~~a~~air ~~m~~monitoring ~~s~~system is restored to normal operating conditions.

- (G) Methods for disseminating ~~on-of~~ data collected by the equipment specified in subparagraphs (d)(~~24~~)(A) and (d)(~~24~~)(C) to the public, local response agencies, and South Coast AQMD as expeditiously as possible;
- (H) Methods for making near real-time and historical data collected by the equipment specified in subparagraphs (d)(4)(A) and (d)(4)(C) available for public download in an easily downloadable, accessible electronic format that is approved by the Executive Officer;
- (I) Methods for making electronic near Real-Time Data and historical data collected by the equipment specified in subparagraphs (d)(4)(A) and (d)(4)(C) available to the Executive Officer in a format that is approved by the Executive Officer;
- (J) Notification Thresholds for each air pollutant listed in Table 1, unless the air pollutant was excluded in the approved or partially approved FAMP; and
- (K) Any other information specified in the Refinery Fenceline Air Monitoring Guidelines for the FAMP.
- ~~(3) The fenceline air monitoring plan required by paragraph (d)(1) shall address real-time air monitoring for the air pollutants specified in Table 1 on a continuous basis. The Fenceline Air Monitoring System required by subdivision (e) shall monitor for all pollutants identified in Table 1. The owner or operator of a petroleum refinery must provide an explanation for not including real time air monitoring for any of the pollutants specified in Table 1 in the fenceline air monitoring plan. Explanations for not including real time air monitoring for any of the pollutants specified in Table 1 must be consistent with the criteria in the Rule 1180 Fenceline Air Monitoring Guidelines.~~
- ~~(4) The review and approval of the fenceline air monitoring plan shall be subject to plan fees as specified in Rule 306—Plan Fees.~~
- (5) The owner or operator of a ~~petroleum refinery~~ Facility shall submit an ~~updated revised fenceline air monitoring plan~~ FAMP to the Executive Officer as follows:
  - (A) Ten (10) days after the date of any unplanned facility, equipment, process, or administrative modification that ~~could result in changes to~~ an approved or partially approved fenceline air monitoring plan ~~FAMP does not adequately address;~~
  - (B) Forty-five (45) days before the date of implementation of any planned facility, equipment, process, or administrative modification that ~~could result~~

~~in changes to an approved fenceline air monitoring plan or partially approved FAMP does not adequately address;~~

(C) Sixty (60) days after the date of receiving information that an approved ~~fenceline air monitoring plan or partially approved FAMP~~ does not adequately measure any air pollutant(s) identified in Table 1 that are emitted from the ~~petroleum refinery Facility~~;

~~(D) Sixty (60) days from the initial Fenceline Air Monitoring System downtime if it results in a failure to accurately provide continuous, Real-Time air monitoring information for more than 30 days pursuant to paragraph (h)(3);~~  
or

~~(E) Sixty (60) days after the date the Corrective Action Plan is submitted to the Executive Officer pursuant to paragraph (i)(4) if the Corrective Action Plan indicates that a modification of FAMP is required.~~

~~(D) Failure to comply with the requirements of subparagraphs (d)(5)(A) through (d)(5)(C) shall result in revocation of an approved fenceline air monitoring plan. Thirty (30) days after revocation of an approved fenceline air monitoring plan the owner or operator of a petroleum refinery shall submit a new fenceline air monitoring plan to the Executive Officer pursuant to paragraphs (d)(1) through (d)(4) and (d)(6) through (d)(7). The updated fenceline air monitoring plan shall not be subject to the implementation schedule in subdivision (e). An updated implementation schedule subject to approval by the Executive Officer shall be included in the new fenceline air monitoring plan but in no case shall be longer than 180 days.~~

(6) The owner or operator of a ~~petroleum refinery Facility~~ may include the use of emerging technologies in a ~~fenceline air monitoring plan~~FAMP that is compliant with the requirements of this rule.

~~(7) All fenceline air monitoring plans shall be consistent with the Rule 1180 Refinery Fenceline Air Monitoring Plan Guidelines.~~

(e) Fenceline Air Monitoring ~~System Requirements~~Compliance Schedule

~~(1) The owner or operator of a petroleum refinery Facility shall complete installation and begin operation of a Real-Time Fenceline Air Monitoring System or modify the operation of the Fenceline Air Monitoring System in accordance with the approved or partially approved fenceline air monitoring plan~~FAMP:

- ~~(A)~~ Beginning no later than one year after a ~~fenceline air monitoring plan~~FAMP submitted pursuant to paragraph (d)(1), (d)(2), or (d)(3) is approved, or partially approved, by the Executive Officer;
- ~~(B)~~ No later than six months after the Executive Officer approves, or partially approves, a revised FAMP required pursuant to paragraph (d)(5); and
- ~~(C)~~ Prior to commencing operations at a new Petroleum Refinery.

(f) Plan Review Process

- (1) The Executive Officer ~~shall~~will notify the owner or operator of a Facility in writing whether the ~~fenceline air monitoring plan~~FAMP submitted pursuant to paragraph (d)(1) or (d)(3), or the revised FAMP submitted pursuant to paragraph (d)(2) or (d)(5), is approved, partially approved, or disapproved. ~~Determination of approval status for the fenceline air monitoring plan shall be based on, at a minimum, submittal of information that satisfies the criteria in subdivision (d) and the Rule 1180 Refinery Fenceline Air Monitoring Plan Guidelines. The FAMP shall be approved or partially approval if the following criteria is met:~~
  - ~~(A)~~ The owner or operator of a Facility submits all of the information in paragraph (d)(4) and the Refinery Fenceline Air Monitoring Plan Guidelines; and
  - ~~(B)~~ The Executive Officer will partially approve a FAMP if all sections of the FAMP are approved except the QAPP.
- ~~(A2)~~ If the FAMP or revised FAMP submitted pursuant to paragraph (f)(1) is disapproved, the owner or operator of a Facility shall ~~resubmit the a revised fenceline and air monitoring plan FAMP, subject to plan fees specified in Rule 306,~~ within 30 calendar days after notification of disapproval of the plan. The ~~resubmitted~~revised plan shall include any information necessary to address deficiencies identified in the disapproval letter.
- ~~(B3)~~ The Executive Officer will either approve the revised ~~and resubmitted fenceline air monitoring plan~~FAMP submitted pursuant to (f)(2) or modify the plan and approve it as modified. If the Facility does not submit the revised FAMP within 30 calendar days after notification of disapproval of the plan as required in paragraph (f)(2), the Executive Officer will modify the plan and approve it as modified. The owner or operator of a Facility may appeal the ~~fenceline air monitoring plan~~FAMP modified by the Executive Officer to the Hearing Board pursuant to Rule 216 – Appeals and Rule 221 – Plans.

- (24) The Executive Officer will make the ~~A fenceline air monitoring plan~~FAMP or revised FAMP that is submitted pursuant to subdivision (d)~~shall be made available, by the Executive Officer,~~available for public review no less than fourteen (14) days prior to approval.
- (5) The owner or operator of a Facility shall pay plan fees as specified in Rule 306 – Plan Fees for the review, approval, and modifications of FAMPs and revised FAMPs.
- (g) Web-based Fenceline Data Display and Notification Program
- (1) The owner or operator of a Facility shall maintain a web-based fenceline data display and notification program according to the Refinery Fenceline Air Monitoring Plan Guidelines to display and store information collected from the Fenceline Air Monitoring Systems, which includes at least five years of data as required pursuant to paragraph (j)(1), and make, at a minimum, the following information publicly available:
- (A) Description of all instances when an air pollutant was measured above a Notification Threshold, measurement techniques, Notification Thresholds, and source of the Notification Threshold;
  - (B) Real-Time and historic concentrations of all air pollutants measured on the Fenceline Air Monitoring System including Data Quality Flags;
  - (C) Real-Time and historic wind speed and wind direction data;
  - (D) Definition of Data Quality Flags;
  - (E) The most recently approved, or partially approved, FAMP and QAPP prominently labeled to indicate the approval status;
  - (F) Report(s) generated from Independent Audit conducted pursuant to subdivision (i)(1);
  - (G) Root Cause Analysis as required pursuant to paragraph (j)(2);
  - (H) Quarterly report as required pursuant to paragraph (j)(3);
  - (I) Corrective Action Plans pursuant to paragraph (i)(4); and
  - (J) A mechanism for the public to provide comments and feedback and procedures to respond.
- (2) The web-based fenceline notification system operated by the owner or operator of a Facility shall, at a minimum:



- (A) Include all the data collected by the Fenceline Air Monitoring System pursuant to the requirements in the Refinery Fenceline Air Monitoring Plan Guidelines;
  - (B) Automatically generate and send a fenceline notification as soon as technically feasible, but no later than 15 minutes after any air pollutant listed in Table 1 is detected at a level that exceeds the applicable Notification Thresholds in the approved, or partially approved, FAMP;
  - (C) Automatically generate and send a follow-up fenceline notification as soon as technically feasible, but no later than 15 minutes after the air pollutant subject to subparagraph (g)(2)(B) is detected at a level below the applicable Notification Threshold, which includes:
    - (i) The maximum concentration of the air pollutant detected during the period after the Notification Threshold was exceeded pursuant to subparagraph (g)(2)(B); and
    - (ii) The duration for which the fenceline notification was exceeded;
  - (D) Send a notification if a fenceline notification sent pursuant to subparagraph (g)(2)(B) was sent in error with an explanation as to the cause of the false fenceline notification;
  - (E) Include a mechanism for the public to opt-in to receive fenceline notifications and to opt-out of fenceline notifications; and
  - (F) Send the fenceline notifications, by email, text message, or other approved communication method to members of the public who opt-in to receive fenceline notifications.
- (gh) Notifications to the Executive Officer for Fenceline Air Monitoring System Downtime
- (1) Upon installation and operation of a ~~f~~Fenceline ~~a~~Air ~~m~~Monitoring ~~s~~System as required by paragraph (d)(5) or subdivision (e), the owner or operator of a ~~petroleum-refinery~~ Facility shall comply with the following notification requirements~~by~~:
    - (A) Calling 1-800-CUT-SMOG<sup>®</sup> to notify the Executive Officer at least 48 hours prior to the planned maintenance activity subject to subparagraph (d)(~~24~~)(~~DE~~) and (d)(5)(B) by providing the name of the ~~petroleum-refinery~~ Facility, the name of the monitor, and the planned date(s) of the occurrence(s); and

- (B) Calling 1-800-CUT-SMOG<sup>®</sup> to notify the Executive Officer within two hours of discovering that the Fenceline Air Monitoring System~~equipment~~ described in the ~~fenceline air monitoring plan~~FAMP subject to subdivision (d) failed to accurately provide ~~Real-time~~ air monitoring information. The owner or operator shall also provide the name of the ~~petroleum refinery~~Facility; ~~the name of the air monitor, the part(s) of the impacted Fenceline Air Monitoring System; the impacted data;~~ the date and time of the occurrence; and the reason for the lapse in collecting and/or reporting the ~~Real-time~~ air monitoring information.
- (2) The owner or operator of the ~~petroleum refinery~~Facility shall submit a written notification to the Executive Officer of any ~~equipment failure~~Fenceline Air Monitoring System downtime that also results in a failure to accurately provide continuous, ~~Real-time~~ fenceline air monitoring information as required by the approved, ~~fenceline air monitoring plan or partially approved, FAMP~~ subject to subdivision (d) for 24-hours or longer. The written notification shall be submitted to the Executive Officer within 24 hours of discovering the ~~equipment failure~~Fenceline Air Monitoring System downtime and shall include the following:
- (A) An ~~explanation~~description of ~~activities~~actions currently being taken to remedy the ~~equipment failure~~Fenceline Air Monitoring System downtime;
- (B) Estimated time needed to restore the ~~fenceline air monitoring equipment~~Fenceline Air Monitoring System to normal operating conditions that comply with the approved or partially approved fenceline and community air monitoring plan~~FAMP~~; and
- (C) Temporary fenceline air monitoring measures subject to subparagraph (d)~~(24)~~(D) ~~from that comply with~~ the approved ~~fenceline air monitoring plan or partially approved FAMP~~ to be implemented until the ~~f~~Fenceline ~~a~~Air ~~m~~Monitoring ~~s~~System is restored to normal operating conditions.
- (3) The owner or operator of a ~~petroleum refinery~~Facility shall submit an ~~updated~~revised ~~fenceline air monitoring plan~~FAMP to the Executive Officer pursuant to subparagraph (d)(5)(D) if an Fenceline Air Monitoring System downtime ~~equipment failure~~ results in a failure to accurately provide continuous, ~~Real-time~~ fenceline air monitoring information for more than 30 days.

(i) Independent Audits

(1) The owner or operator of a Facility shall hire a qualified independent party to conduct and complete an Independent Audit according to an independent audit protocol approved by the Executive Officer.

(2) The Independent Audit shall:

(A) Identify any deficiencies in the Fenceline Air Monitoring System and quality assurance procedures; and

(B) Result in an audit report that shall be:

(i) Signed by the qualified independent party, certifying under penalty of law, based on information and belief formed after reasonable inquiry, that the statements and information in audit report and in all attachments and other materials are true, accurate, and complete; and

(ii) Submitted to the South Coast AQMD, the owner or operator of a Facility, and made available to the web-based fenceline data display and notification system within 90 days after the audit has been performed.

(3) The owner or operator of a Facility shall hire a qualified independent party to conduct an Independent Audit according to the following schedule:

(A) For a Fenceline Monitoring System installed before [Date of Rule Adoption], the initial Independent Audit shall be initiated no later than July 1, 2024, and subsequent audits shall be completed once every three years after completing the initial audit; and

(B) For a Fenceline Monitoring System installed on or after [Date of Rule Adoption], the initial audit shall be completed within one year after the installation and operation of the Fenceline Air Monitoring System and subsequent audits shall be completed once every three years after completing the initial audit.

(4) Corrective Action Plan

If the independent audit report identifies deficiencies in a Fenceline Air Monitoring System, the owner or operator of the Facility shall:

(A) Develop a Corrective Action Plan within one month of the audit report, describing:

(i) All actions that will be taken to address all deficiencies; and

- (ii) Any deficiency included in the independent audit report that the owner or operator of the Facility considers a safety concern and is proposing to exempt from corrective action;
              - (B) Submit the Corrective Action Plan to the Executive Officer and make it available on the facility's web-based fenceline data display and notification program within two months of the audit report;
              - (C) Perform all corrective actions within six months of the audit report;
              - (D) Hire a qualified independent party to conduct a follow-up performance audit within one month of completing the corrective actions pursuant to subparagraph (i)(4)(C) and make it available on the facility's web-based fenceline data display and notification program within two months of the follow-up performance audit; and
              - (E) Submit a revised FAMP to the Executive Officer pursuant to subparagraph (d)(5)(E) if the Corrective Action Plan identifies that a modification of FAMP is required.
- (#j) Recordkeeping and Reporting
  - (1) The owner or operator of a ~~petroleum refinery~~ Facility shall maintain records of all information required under this rule for at least five years and shall make the information available to ~~SCAQMD personnel~~ the Executive Officer upon request. Records for at least the two most recent years shall be kept onsite.
  - (2) Root Cause Analysis

When an air pollutant listed in Table 1 is measured above the Notification Threshold on a Facility Fenceline Air Monitoring System, the owner or operator of any Facility that relies on the Fenceline Air Monitoring System that measures the air pollutant shall:

    - (A) Initiate a Root Cause Analysis within 24 hours;
    - (B) Initiate corrective actions, if applicable, as soon as practicable once the root cause has been determined;
    - (C) Submit a Root Cause Analysis report to the South Coast AQMD and make it available on the web-based program within 14 days;
    - (D) Include, at a minimum, the following in the Root Cause Analysis:
      - (i) Cause and duration of the air pollutant emissions;
      - (ii) Determination of the source(s) of air pollutant emissions and methodology used to determine the source, including:

- (A) Visual inspection;
- (B) Optical gas imaging;
- (C) Leak inspection using EPA Method 21; or
- (D) Other test or monitoring method approved by the Executive Officer;
- (iii) Any mitigation and corrective actions taken to stop the exceedance or taken to prevent a similar recurrence;
- (iv) An explanation of the reason(s) for any corrective actions taking more than 14 days; and
- (v) Any monitoring data requested by the Executive Officer.
- (E) If the Root Cause Analysis required corrective action, the owner or operator of a Facility shall:
  - (i) Conduct a reinspection of the source within 14 days of the corrective action; and
  - (ii) Submit a report to the Executive Officer and make the report available on the refinery fenceline monitoring webpage within 28 days of the corrective actions.

(3) Quarterly Report

The owner or operator of a Facility with an approved or partially approved FAMP shall submit a quarterly report to the Executive Officer and make the report available on the refinery fenceline monitoring web-based fenceline data display and notification program within 60 calendar days after the conclusion of each quarter. The report shall be consistent with the Refinery Fenceline Air Monitoring Plan Guidelines, in a format approved by the Executive Officer, and at a minimum include a description of:

- (A) Summary of the air pollutant concentrations;
- (B) Data processing calculations, such as conversion calculations of instrument signal to pollutant concentration;
- (C) Summary of calibration data;
- (D) Description of data completeness, accuracy, and precision;
- (E) Quality assurance/quality control;
- (F) Instrument maintenance and performance checks;
- (G) Any instance when an air pollutant was measured above a Notification Threshold that required a fenceline notification pursuant to paragraphs (g)(2); and

(H) Any instance when a Fenceline Air Monitoring System downtime required a notification to Executive Officer pursuant to paragraph (h)(1) or corrective actions.

(jk) Community Air Monitoring Fees

- ~~(1) Pursuant to CA Health and Safety Code §42705.6, a~~An owner or operator of a ~~petroleum refinery~~ Facility shall pay an installation fee for ~~refinery-related~~ community air monitoring systems based on the fee schedule established in Table 2 ~~Refinery-Related Community Air Monitoring System Fees.~~
- ~~(2) No later than July 1, 2018, the owner or operator of a petroleum refinery shall make an initial minimum payment to the SCAQMD as specified in Table 2.~~
- ~~(3) No later than January 30, 2019, the owner or operator of a petroleum refinery shall make a final payment to the SCAQMD for the remaining balance of the installation fee as specified in Table 2. The remaining balance shall be equal to the installation fee minus the initial minimum payment required by paragraph (j)(2).~~
- (2) No later than July 1, 2024, the owner or operator of a Facility shall make the payment to the South Coast AQMD as specified in Table 2.
- (43) Annual operating and maintenance fees for the community air monitoring system shall be paid pursuant to Rule 301-Permitting and Associated Fees, when applicable.
- (54) The ~~refinery-related~~ community air monitoring fees required by paragraph (jk)(1) are in addition to permit and other fees otherwise authorized to be collected from such facilities.
- ~~(6) No later than January 1, 2025, and every five years thereafter, the Executive Officer shall conduct a refinery-related community air monitoring assessment to evaluate adequate coverage and/or need for equipment upgrades.~~

(kl) Exemptions

- (1) An owner or operator of a ~~petroleum refinery that has a maximum capacity to process less than 40,000 barrels per day of crude oil~~ Facility subject to Rule 1180.1 is exempt from the requirements of this rule.
- (2) An owner or operator of a Facility is exempt from the requirement of operating an existing Real-Time Fenceline Air Monitoring System for 96 hours if the operation of existing fenceline air monitoring equipment is disrupted by the required installation of new fenceline air monitoring equipment to measure any air pollutant in Table 1 that was not addressed in the Facility's previous FAMP.

- (3) An owner or operator of a Facility With Operations Related to Petroleum Refineries located entirely within the boundary of a Petroleum Refinery with an existing Real-Time Fenceline Air Monitoring System is exempt from the requirements of this rule.
- (4) An owner or operator of a Facility With Operations Related to Petroleum Refineries is exempt from monitoring black carbon.
- (5) An owner or operator of a Terminal is exempt from monitoring cadmium, manganese, and nickel.

**Table 1– Air Pollutants and Notification Thresholds to be Addressed by  
Fenceline Air Monitoring Plans FAMPs**

<b>Air Pollutants</b>	<b><u>Health Standard-Based Notification Threshold</u></b>	<b><u>Informational-Based Notification Threshold</u></b>
<b>Criteria Air Pollutants</b>		
Sulfur Dioxide	<u>75 ppb</u>	<u>N/A</u>
Nitrogen Oxides	<u>100 ppb</u>	<u>N/A</u>
<b><u>Particulate Matter</u></b>		
<u>PM2.5</u>	<u>35 µg/m<sup>3</sup> (24-hour avg.)</u>	<u>N/A</u>
<u>PM10</u>	<u>50 µg/m<sup>3</sup>(24-hour avg.)</u>	<u>N/A</u>
<b>Volatile Organic Compounds</b>		
Total VOCs (Non-Methane Hydrocarbons)	<u>N/A</u>	<u>730 ppb</u>
Formaldehyde	<u>44 ppb</u>	<u>N/A</u>
Acetaldehyde	<u>260 ppb</u>	<u>N/A</u>
Acrolein	<u>1.1 ppb</u>	<u>N/A</u>
1,3 Butadiene	<u>297 ppb</u>	
<u>Naphthalene</u>	<u>N/A</u>	<u>N/A</u>
<u>Polycyclic aromatic hydrocarbons (PAHs)</u>	<u>N/A</u>	<u>N/A</u>
Styrene	<u>5,000 ppb</u>	<u>N/A</u>
Benzene	<u>8 ppb</u>	<u>N/A</u>
<u>Toluene</u>	<u>1,300 ppb</u>	<u>N/A</u>
<u>Ethylbenzene</u>	<u>N/A</u>	<u>N/A</u>
<u>Xylenes</u>	<u>5,000 ppb</u>	<u>N/A</u>
<b><u>Metals</u></b>		
<u>Cadmium</u>	<u>N/A</u>	<u>N/A</u>
<u>Manganese</u>	<u>0.17 µg/m<sup>3</sup> (8-hour avg.)</u>	<u>N/A</u>
<u>Nickel</u>	<u>0.2 µg/m<sup>3</sup></u>	<u>N/A</u>
<b>Other Compounds</b>		
Hydrogen Sulfide	<u>30 ppb</u>	<u>N/A</u>
Carbonyl Sulfide	<u>270 ppb</u>	<u>N/A</u>
Ammonia	<u>4,507 ppb</u>	<u>N/A</u>
Black Carbon	<u>N/A</u>	<u>30 µg/m<sup>3</sup></u>
Hydrogen Cyanide	<u>309 ppb</u>	<u>N/A</u>
Hydrogen Fluoride <sup>+</sup>	<u>289 ppb</u>	<u>N/A</u>

+ If the facility uses hydrogen fluoride.



**Table 2 – Refinery-Related Community Air Monitoring System Fees**

<u>Facility ID</u>	<u>Facility Name* and Location and (Permit Name)</u>	<u>Location</u>	<u>Effective Dates and Fee Requirements</u>		
			<u>No later than July 1, 2018, petroleum refineries shall make the following initial minimum payment required by paragraph (j)(2)</u>	<u>No later than January 30, 2019, petroleum refineries shall make the following final payment required by paragraph (j)(3)</u>	<u>No later than July 1, 2024, required by paragraph (k)(2)</u>
<u>174655</u>	<del>Andeavor Corporation (Carson)</del> <u>Tesoro Carson (Tesoro Refining &amp; Marketing Co, LLC)*</u>	<u>Carson</u>	\$429,078	\$1,001,181	<u>\$231,736</u>
<u>800436</u>	<del>Andeavor Corporation (Wilmington)</del> <u>Tesoro Wilmington (Tesoro Refining &amp; Marketing Co, LLC)*</u>	<u>Wilmington</u>	\$214,539	\$500,591	<u>\$115,868</u>
<u>800030</u>	<del>Chevron U.S.A, Inc. (El Segundo)</del> <u>Chevron (Chevron Products Co.)</u>	<u>El Segundo</u>	\$429,078	\$1,001,181	<u>\$231,736</u>
	<del>Delek U.S. Holdings, Inc. (Paramount)</del>		\$107,269	\$250,295	
<u>171109</u>	<del>Phillips 66 Company (Carson)</del> <u>Carson (Phillips 66 Company/Los Angeles Refinery)</u>	<u>Carson</u>	\$214,539	\$500,591	<u>\$115,868</u>
<u>171107</u>	<del>Phillips 66 Company (Wilmington)</del> <u>Wilmington (Phillips 66 Company/LA Refinery Wilmington Pl)</u>	<u>Wilmington</u>	\$214,539	\$500,591	<u>\$115,868</u>

			Effective Dates and Fee Requirements		
<u>Facility ID</u>	<u>Facility Name* and Location and (Permit Name)</u>	<u>Location</u>	<del>No later than July 1, 2018, petroleum refineries shall make the following initial minimum payment required by paragraph (j)(2)</del>	<del>No later than January 30, 2019, petroleum refineries shall make the following final payment required by paragraph (j)(3)</del>	<u>No later than July 1, 2024, required by paragraph (k)(2)</u>
<u>181667</u>	<del>PBF Energy, Torrance Refining Company (Torrance) (Torrance Refining Company LLC)</del>	<u>Torrance</u>	<del>\$429,078</del>	<del>\$1,001,181</del>	<u>\$231,736</u>
<u>800026</u>	<del>Valero Energy (Wilmington) (Ultramar Inc.)</del>	<u>Wilmington</u>	<del>\$214,539</del>	<del>\$500,591</del>	<u>\$115,868</u>

\* Includes Tesoro Carson (Facility ID: 174655), Tesoro Wilmington (Facility ID: 800436), Tesoro SRP (Facility ID: 151798), Tesoro Logistics Carson Crude Terminal (Facility ID: 174694), Tesoro Logistics Carson Product Terminal (Facility ID: 174703), Tesoro Logistics Wilmington Terminal Truck Loading Rack (Facility ID: 167981)