



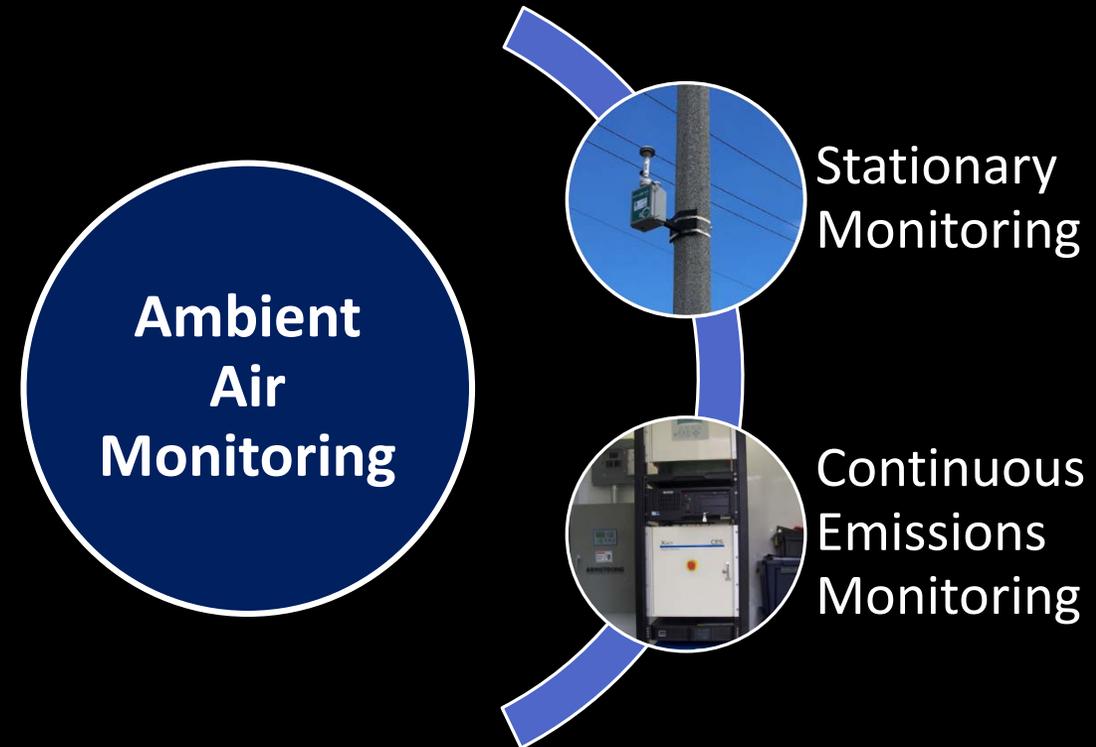
Proposed Rule 1480

Ambient Monitoring and Sampling of Metal Toxic Air Contaminants

Public Workshop
October 2, 2019

Ambient Monitoring

- South Coast AQMD uses ambient air monitoring for:
 - Regional air monitoring such as the Multiple Air Toxics Exposure Study (MATES)
 - Source-oriented monitoring – monitoring near a facility or group of facilities
 - Identifying unknown sources of high ambient levels
- Ambient monitoring is used to measure:
 - Criteria pollutants (NO_x, SO_x, VOCs, etc)
 - Toxic air contaminants (TACs) – gaseous and particulate
 - Metal TACs – A subgroup of all TACs



Metal Toxic Air Contaminants (TACs)

- Includes metal TACs such as lead, nickel, arsenic, and hexavalent chromium
- Elevated health risks for Sensitive Receptors surrounding facilities emitting Metal TACs
 - For hexavalent chromium, estimated health risks for sensitive receptors are about 19 times higher than worker receptors



Background

- South Coast AQMD has conducted ambient monitoring near facilities with Metal TAC emissions
- Some facilities had estimated health risks over 10 times the significance threshold
- In many situations ambient monitoring identifies a source that was not previously known and is unregulated – in other situations ambient monitoring identifies existing pollution controls that were not properly operated
- Process to identify appropriate measures to implement to reduce fugitive emissions and installation of permanent pollution controls can take two to three years
- To ensure public health is adequately protected during this time, ambient air monitoring is needed
- PR 1480 will require facilities that meet specific criteria to conduct ambient monitoring until a Risk Reduction Plan is fully implemented

Purpose (a) and Applicability (b)

- Purpose of PR 1480 is to require an owner or operator of a facility that is designated by the Executive Officer as a Metal TAC Monitoring Facility to conduct monitoring and sampling
 - Designation criteria is specified in paragraph (d)(8) which is primarily based on exceedance of the Significant Risk Level at a Sensitive Receptor
 - PR 1480 includes the process to designate a facility

Significant Risk Level is a cancer risk that is 100 in one million or a total Individual Substance Chronic Hazard Index that is 5.0 for all target organ systems from a facility

Sensitive Receptor means any residence including private homes, condominiums, apartments, and living quarters; schools as defined in paragraph (c)(12); daycare centers; and health care facilities such as hospitals or retirement and nursing homes. Sensitive Receptor includes long-term care hospitals, hospices, prisons, and dormitories or similar live-in housing

Applicability (b)

- PR 1480 applies to an owner or operator with Metal TAC emissions that receives an Initial Notice
- Initial Notice is the first step in the process to determine if a facility will be designated as a Metal TAC Monitoring Facility

Metal Toxic Air Contaminant or Metal TAC means a metal air pollutant which may cause or contribute to an increase in mortality or serious illness, or which may pose a present or potential hazard to human health as listed by Office of Environmental Health Hazard Assessment

Metal TAC Monitoring Facility means a facility that meets the criteria in paragraph (d)(8)

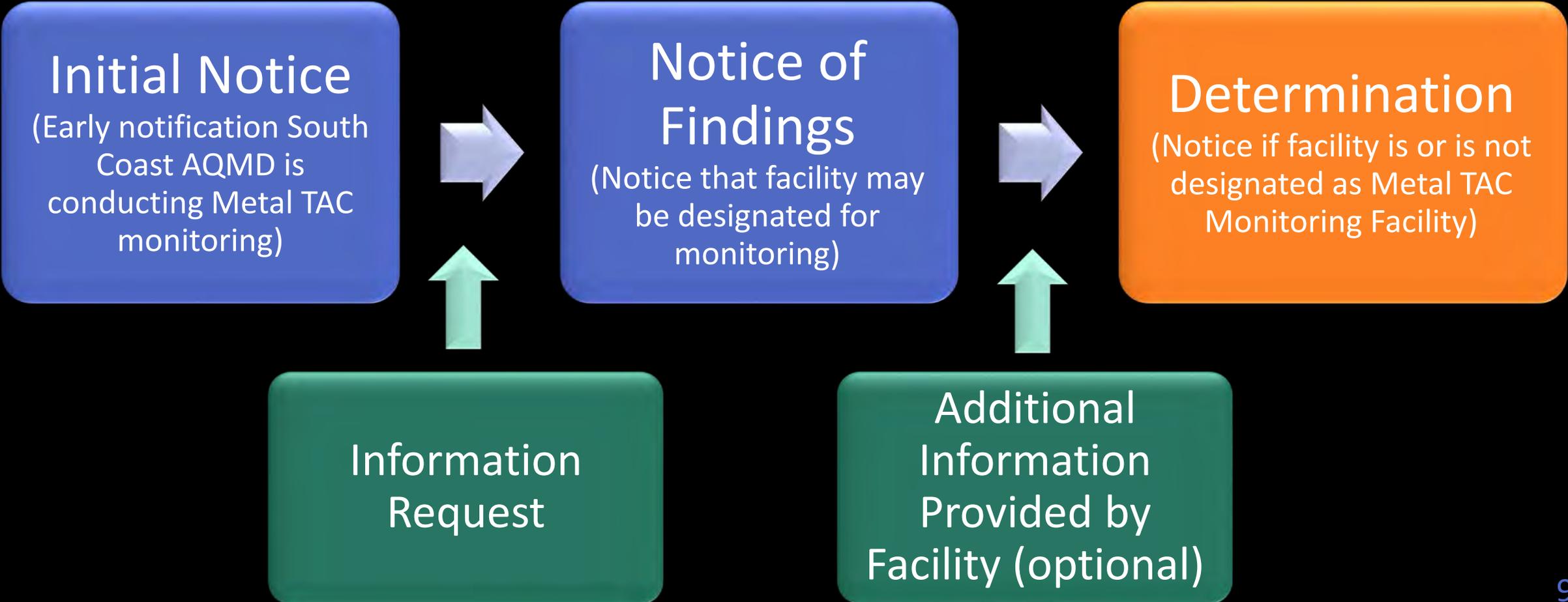
Definitions (c)

- Ambient Air
- Benchmark Concentration
- Cancer Risk
- Enforceable Measure
- Individual Substance Chronic Hazard Index
- Maximum Expected Ground Level Concentration
- Metals of Concern
- Metal Toxic Air Contaminant (Metal TAC)
- Metal TAC Monitoring Facility
- Monitoring and Sampling
- Reduced Risk Level
- School
- Sensitive Receptor
- Significant Risk Level
- Valid Sample

Overview of Designation of Metal TAC Monitoring Facility (d)

- This subdivision establishes the process to designate a facility as a Metal TAC Monitoring Facility (Initial Notice, Notice of Findings, Designation of a Metal TAC Monitoring Facility)
- Provides timeframes for issuing various notifications to the owner or operator
- Establishes process for owner or operator to provide additional information to the Executive Officer for consideration when determining if a facility will be designated
- Establishes the criteria for determining whether a facility is a Metal TAC Monitoring Facility

General Process for Designation



Initial Notice & Information Requests – (d)(1) & (d)(2)

- Initial Notice [(d)(1)]
 - Purpose of the Initial Notice is to provide an early notice to the owner or operator that the South Coast AQMD is conducting monitoring and sampling of specific Metal TAC(s) near their facility
 - Must provide Initial Notice to facility at least 30 days prior to issuing a Notice of Findings
 - A facility that receives an Initial Notice may or may not receive a Notice of Findings
- Information Requests [(d)(2)]
 - Executive Officer may need to further assess source(s) of metal emissions and may request the owner or operator to:
 - Either elect to conduct or have the South Coast AQMD conduct emissions testing and sampling [(d)(2)(A)]
 - Provide access for the Executive Officer to conduct monitoring near or at the fenceline of the facility [(d)(2)(B)]
 - Submit material usage, manifests, emissions testing results and other records [(d)(2)(C)]

Notice of Findings – (d)(3)

- Executive Officer may issue a Notice of Findings between 30 and 180 days from Initial Notice or 180 days following the due date specified in the most recent Information Request (whichever is later) [(d)(3)]
- Notice of Findings will include:
 - Results of Monitoring and Sampling, such as Metal TAC(s) monitored, concentrations, dates, and locations [(d)(3)(A)]
 - Results of data from Information Requests [(d)(3)(B)]
 - Findings that demonstrate the facility is contributing to the ambient air levels of the Metal TAC(s) [(d)(3)(C)]
 - Location of Sensitive Receptor with the highest Cancer Risk and/or Individual Substance Chronic Hazard Index and values that exceed the Significant Risk Level, and the contribution to risk of each Metal TAC [(d)(3)(D)]

Option to Meet with Executive Officer and Provide Additional Information (d)(4) and (d)(5)

- Option to meet with the Executive Officer [(d)(4)]
 - No later than 14 days from Notice of Findings, the owner or operator of a facility may schedule a meeting with Executive Officer to discuss Notice of Findings
 - This provision does not preclude subsequent meetings
- Option to provide additional information [(d)(5)]
 - No later than 30 days from the Notice of Findings, the owner or operator shall either:
 - Respond in writing that no additional information will be provided [(d)(5)(A)]
 - Submit additional information to the Executive Officer for consideration [(d)(5)(B)]
 - Notify the Executive Officer that additional information will be submitted no later than 60 days from Notice of Findings [(d)(5)(C)]

Requirements if Owner or Operator is Providing Additional Information (d)(6) and (d)(7)

- Owner or operator that elects to submit additional information may provide:
 - Data to substantiate Metal TAC emissions from equipment or processes at facility are not contributing to ambient air monitors or an exceedance of the Significant Risk Level at any Sensitive Receptor [(d)(6)(A)]
 - A written list of Enforceable Measures that have been implemented that reduce or eliminate Metal TAC emissions [(d)(6)(B)]
 - Information to substantiate that the Metal TAC emissions detected by Monitoring and Sampling described in Notice of Findings are not attributed to facility [(d)(6)(C)]
- Within 60 days from Notice of Findings, submit additional information or respond that no additional information will be submitted to Executive Officer for consideration [(d)(7)]

Criteria for Designation – (d)(8)

- Executive Officer will consider information and data collected by the Executive Officer and provided by the owner or operator
- Facility will be designated as a Metal TAC Monitoring Facility if:
 - Facility has equipment and processes with Metal TAC(s) emissions [(d)(8)(A)]
 - Metal TAC(s) emissions capable of being released into ambient air [(d)(8)(B)]
 - Facility has exceeded the Significant Risk Level for any Sensitive Receptor using air dispersion modeling and Risk Assessment Procedures, taking into account information collected by the Executive Officer and the information submitted by the owner or operator [(d)(8)(C)]

The following information will be taken into account, if available:

- Metal TAC emissions testing and sampling;
- Monitoring and Sampling;
- Metal TAC material usages, manifests, and other records;
- Information provided by facility;
- Background concentrations and contributions from other sources; and
- Other information available to Executive Officer

Four-Step Process in Identification of Sources

- South Coast AQMD uses a general process in determining source(s) of Metal TAC emissions once an air issue identified



Step 1: Identify facility or facilities possibly contributing to air issue



Step 2: Within facility, identify the source or sources



Step 3: Determine if sources are capable of generating emissions



Step 4: Determine if emissions can be released to the ambient air

Notification of Designation to Facility – (d)(9)

- Executive Officer will owner or operator if the facility has or has not been designated a Metal TAC Monitoring Facility
- If facility is designated, notification will include:
 - Information that demonstrates the facility met criteria in paragraph (d)(8) [(d)(9)(A)]
 - Location of Sensitive Receptors that exceed the Significant Risk Level and the estimated health risk values [(d)(9)(B)]
 - Metals of Concern [(d)(9)(C)]
 - Equipment and processes that are contributing to exceedance of the Significant Risk Level at the Sensitive Receptors [(d)(9)(D)]
 - Initial number, type, and approximate location of Metal TAC monitors and wind monitors required to conduct Monitoring and Sampling [(d)(9)(E)]

Summary for Designating a Facility as a Metal TAC Monitoring Facility



* Or within 180 days of the most recent Information Request due date, whichever is later (d)(2)

Requirements after Facility is Designated as a Metal TAC Facility (d)(10)

- Owner or operator of a facility that is designated a Metal TAC Monitoring Facility shall:
 - No later than 30 days after receiving notice from the Executive Officer, submit a draft Basic Monitoring and Sampling Plan pursuant to subdivision (e)* [(d)(10)(A)]
 - No later than the date specified in the approval letter of Basic Monitoring and Sampling Plan implement the approved Basic Monitoring and Sampling Plan and comply with the Monitoring and Sampling requirements of subdivision (f) [(d)(10)(B)]

* *Facility may instead elect to have Executive Officer continue Monitoring and Sampling under (g) – Alternative Monitoring and Sampling*

Monitoring and Sampling Plan Overview – (e)

- Includes provisions for Basic, Alternative, and Reduced Monitoring and Sampling Plans
- Once designated a Metal TAC Monitoring Facility, an owner or operator must submit either a Basic or Alternative Monitoring and Sampling Plan for review and approval
- An owner or operator of a Metal TAC Monitoring Facility may submit a Reduced Monitoring and Sampling Plan when specific criteria is met
- Monitoring and Sampling Plan establishes procedures that the facility must follow when conducting Monitoring and Sampling consistent with subdivision (f) - Monitoring and Sampling Requirements in order to be approved
- Evaluation of a Monitoring and Sampling Plan is subject to Rule 306 – Plan Fees

Overview of Monitoring and Sampling Plan Provisions (e)

- Facility-Specific Information (e)(1)(A) – (e)(1)(D)
- Monitoring and Sampling Information (e)(1)(E) – (e)(1)(H)
- Contents for an Alternative Monitoring and Sampling Plan (e)(2)
- Approval of Basic or Alternative Monitoring and Sampling Plan (e)(3) – (e)(4)
- Approval of a Reduced Monitoring and Sampling Plan (e)(5)-(e)(6)
- Requirements for Modifications of a Monitoring and Sampling Plan (e)(7)-(e)(8)
- Fees for Monitoring and Sampling Plans (e)(9)-(e)(10)

Comparison of Monitoring and Sampling Plans – (e)

Basic Monitoring and Sampling Plan

- **Basic Monitoring and Sampling Plan** is for facilities that will have a contractor conduct Monitoring and Sampling for the owner or operator

Alternative Monitoring and Sampling Plan

- **Alternative Monitoring and Sampling Plan** is for facilities where the Executive Officer or its contractor is conducting Monitoring and Sampling for the owner or operator

Reduced Monitoring and Sampling Plan

- **Reduced Monitoring and Sampling Plan** is for facilities that meet specific criteria to reduce the frequency of monitoring and/or sampling or the number of monitors
- Two types of Reduced Monitoring and Sampling Plans:
 - **Reduced Basic Monitoring and Sampling Plan**; and
 - **Reduced Alternative Monitoring and Sampling Plan**

Facility-Specific and Monitoring and Sampling Information for Monitoring and Sampling Plan (e)(1)(A)-(e)(1)(H)

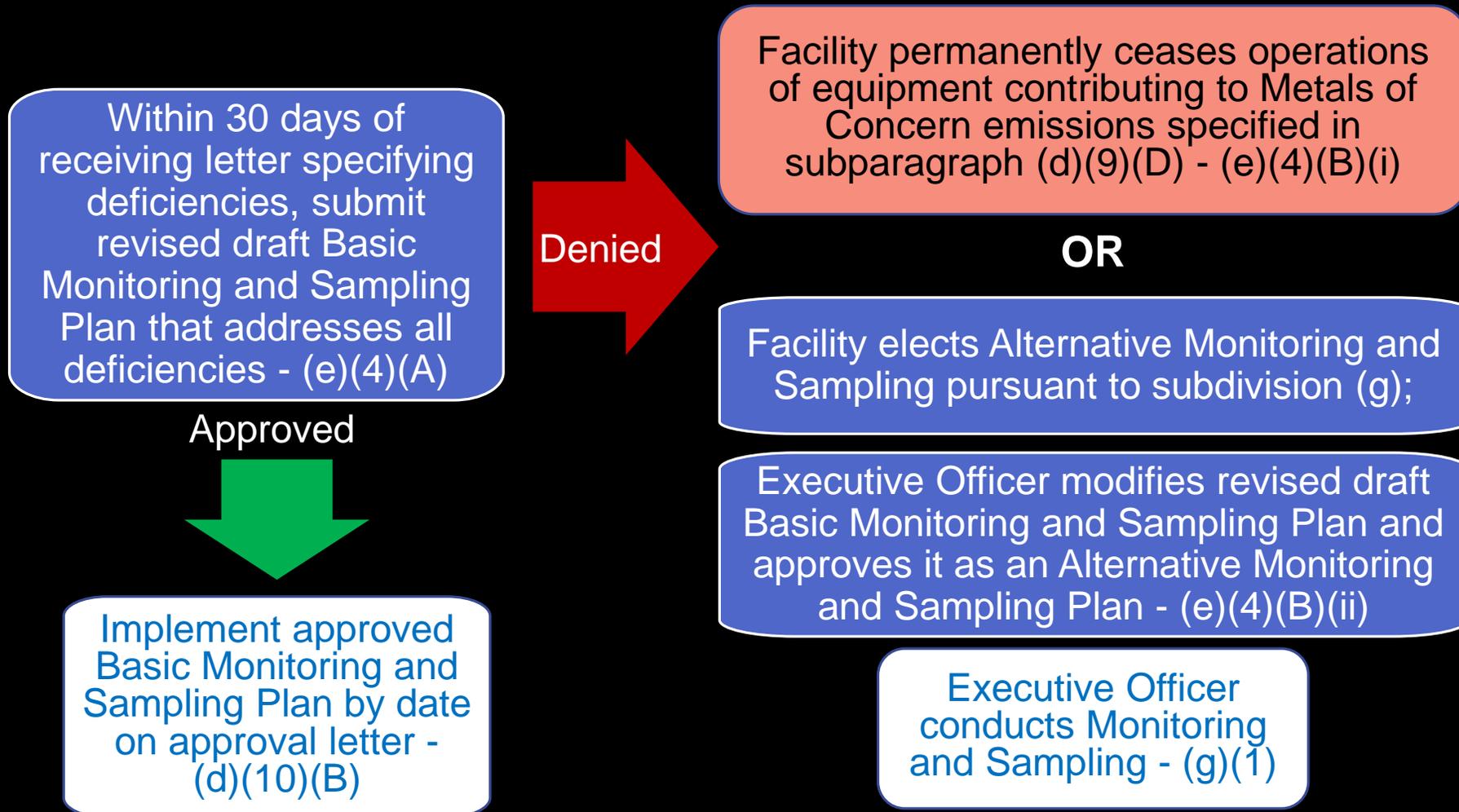
Provision	Facility Specific Information (e)(1)(A) through (e)(1)(D)	Monitoring and Sampling Information (e)(1)(E) through (e)(1)(H)
Information Required	<ul style="list-style-type: none"> • Equipment and processes that are sources of Metal TAC emissions • Reports from emissions tests • Facility map with key features highlighted (i.e. equipment, stacks, building openings, property lines) • Other information requested by the Executive Officer 	<ul style="list-style-type: none"> • Number and locations of sampling sites • List of equipment used for monitoring and sampling and collecting wind data • Procedures for sampling and data collection • Contact information of parties conducting monitoring and sampling
Who Provides Information	<p>Owner or operator provides:</p> <ul style="list-style-type: none"> • Basic Monitoring and Sampling Plan; and • Alternative Monitoring and Sampling Plan 	<p>Owner or operator provides:</p> <ul style="list-style-type: none"> • Basic Monitoring and Sampling Plan <p>Executive Officer provides:</p> <ul style="list-style-type: none"> • Alternative Monitoring and Sampling Plan

Approval of Basic or Alternative Monitoring and Sampling Plan (e)(3)

- Executive Officer will notify an owner or operator in writing if draft Basic or Alternative Monitoring Plan is approved
- Approval of draft Basic Monitoring and Sampling Plan is based on facility-specific and monitoring and sampling information submitted that meets the monitoring and sampling requirements of subdivision (f)
- Approval of a draft Alternative Monitoring and Sampling Plan is based on facility-specific information submitted
- Specific process established if draft Basic or Alternative Monitoring and Sampling Plan is not approved

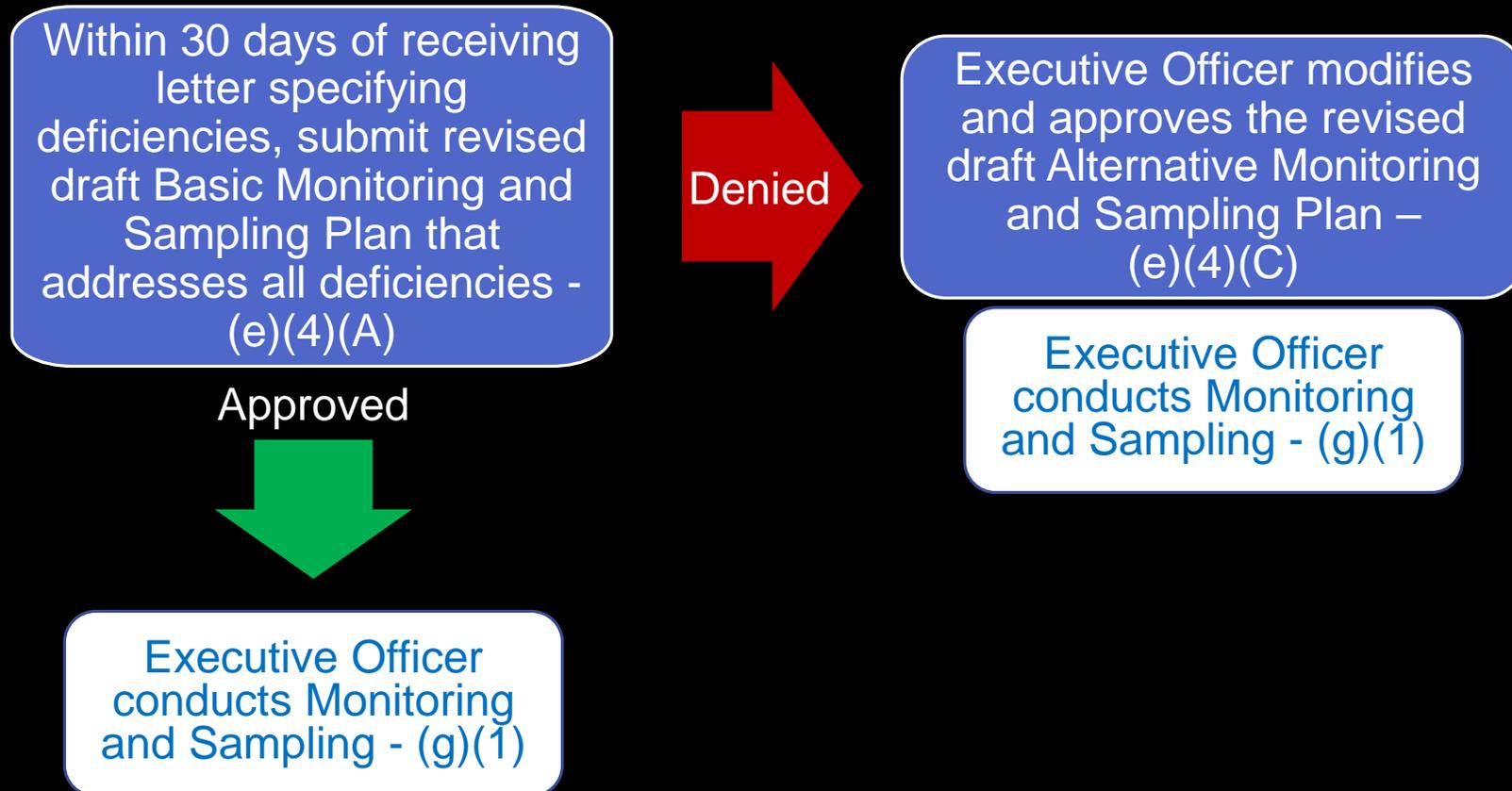
Draft Basic Monitoring and Sampling Plan

Process After Draft Basic Plan is Not Approved



Draft Alternative Monitoring and Sampling Plan

Process After Draft Alternative Plan is Not Approved



Reduced Monitoring and Sampling Plan Requirements and Approval Process (e)(5) and (e)(6)

- A Metal TAC Monitoring Facility with an approved Basic or Alternative Monitoring and Sampling Plan can elect to reduce:
 - Sampling frequency to once every 6 days
 - Number of sampling monitors
- Must submit a draft Reduced Monitoring and Sampling Plan pursuant to subdivision (h)
- All information in paragraph (e)(1) required to be submitted
- Approval is dependent on meeting the following criteria in:
 - Estimated health risk for Metal TACs is below the Reduced Risk Level for any Sensitive Receptor [(e)(5)(A)]
 - Measures identified in Rule 1402 Early Action Reduction Plan or Enforceable Measures have been implemented [(e)(5)(B)]
 - Owner or operator of facility did not previously have an approved Reduced Monitoring and Sampling Plan [(e)(5)(C)]

Reduced Risk Level is a cancer risk that is 25 in one million and a total Individual Substance Chronic Hazard Index that is 3.0 for all target organ systems from a facility

Transitioning to a Reduced Monitoring and Sampling Plan

Basic Monitoring and Sampling Plan

Facility Information

Monitoring and Sampling Information

- Sampling Frequency: 1-in-3 Days
- Number of monitors
- Provided by the Metal TAC Monitoring Facility

Reduced Basic Monitoring and Sampling Plan

Facility Information

Monitoring and Sampling Information

- **Reduced sampling frequency to 1-in-6 days**
- **Reduced number of monitors**
- Provided by the Metal TAC Monitoring Facility

Alternative Monitoring and Sampling Plan

Facility Information

Monitoring and Sampling Information

- Sampling Frequency: 1-in-3
- Number of monitors
- Provided by the Executive Officer

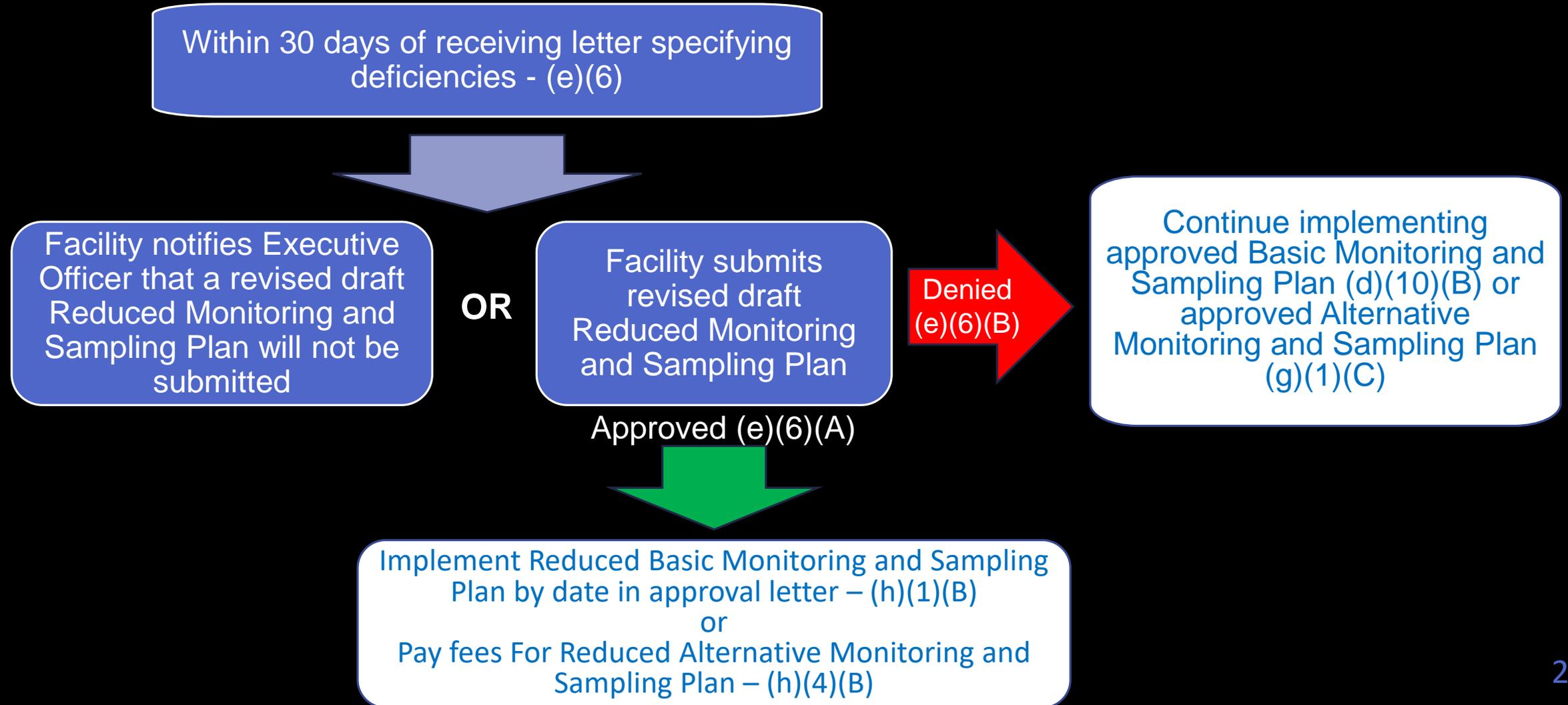
Reduced Alternative Monitoring and Sampling Plan

Facility Information

Monitoring and Sampling Information

- **Reduced sampling frequency to 1-in-6 days**
- **Reduced number of monitors**
- Provided by the Executive Officer

Reduced Monitoring and Sampling Plan Process After Draft Reduced Plan is Not Approved



Modifications to an Approved Monitoring and Sampling Plan – (e)(7) and (e)(8)

- A Metal TAC Monitoring Facility is required to notify the Executive Officer prior to making any changes affecting Metal TAC emissions that would result in a modification to information in the approved Monitoring and Sampling Plan
- Executive Officer would review the changes and notify the facility in writing if a modification to an approved Plan is required
- Modifications to Basic, Alternative, or Reduced Monitoring and Sampling Plan would follow the same approval processes as the draft and revised draft Plans

Monitoring and Sampling Requirements – (f)

Facility Specific Information

- Basic, Alternative, and Reduced Monitoring and Sampling Plan must include all equipment and processes that emit Metal TACs and represents current operating conditions (f)(1)

Monitoring and Sampling Equipment

- Install a minimum of two monitors – (f)(2)
- Operate and maintain sampling equipment following approved procedures – (f)(4)

Monitoring and Sampling Procedures

- Continuous sampling time of 24 hours per sample on an approved frequency – (f)(3)
- Collect and analyze samples following approved procedures – (f)(5)
- Retain and properly store Valid Samples or extracted solutions – (f)(6) and provide to Executive Officer upon request – (f)(7)
- Continuously record wind speed and direction – (f)(8)
- No more than one missed Valid Sample every 30 days – (f)(9)
- Shall not conduct activities to damage or bias samples – (f)(10)

Requirements for Electing Alternative Monitoring and Sampling – (g)(1)

- An owner or operator of a Metal TAC Monitoring Facility that elects to have Executive Officer conduct Monitoring and Sampling shall:
 - Within 30 days submit a draft Alternative Monitoring and Sampling Plan pursuant to (e)(2) [(g)(1)(A)]
 - Provide access to facility for Executive Officer to conduct Monitoring and Sampling [(g)(1)(B)]
 - Pay fees for Monitoring and Sampling by date specified on the approved Alternative Monitoring and Sampling Plan [(g)(1)(C)]

Switching from Alternative to Basic or Basic to Alternative Monitoring and Sampling Plans (g)(2) and (g)(3)

Provisions to Switch from an Alternative to a Basic Monitoring and Sampling Plan

Notify the Executive Officer that owner or operator has elected to conduct monitoring and sampling to comply with (d)(10)(B) [(g)(2)(A)]

Submit a draft Basic Monitoring and Sampling Plan for approval [(g)(2)(B)]

Meet the requirements of (d)(10)(B) [(g)(2)(C)]

Provisions to Switch from a Basic to an Alternative Monitoring and Sampling Plan

Notify the Executive Officer facility has elected to have Executive Officer conduct Monitoring and Sampling [(g)(3)(A)]

Submit a draft Alternative Monitoring and Sampling Plan for approval [(g)(3)(B)]

Meet the requirements of (g)(1)(B) and (g)(1)(C) [(g)(3)(C)]

Reduced Monitoring and Sampling Frequency and/or Monitors – (h)

Facilities with →	Basic Monitoring And Sampling Plan	Alternative Monitoring and Sampling Plan
Must meet criteria in subparagraph (e)(5)(A) - (e)(5)(C)	Submit draft Reduced Basic Monitoring and Sampling Plan - (h)(1)(A)	Submit draft Reduced Alternative Monitoring and Sampling Plan - (h)(4)(A)
Upon approval of Reduced Plan	Implement no sooner than date specified on approval letter - (h)(1)(B)	Pay fees no later than date specified on approval letter - (h)(4)(B)
Notification for three consecutive exceedances*	Owner or operator notifies Executive Officer by calling 1-800-CUT-SMOG and provides explanation of causes - (h)(2)	Executive Officer notifies owner or operator and owner or operator provides explanation of causes - (h)(5)
If exceedances attributed to facility	Revert sampling frequency and number of monitors to Basic Monitoring and Sampling Plan - (h)(3)	Revert sampling frequency and number of monitors to Alternative Monitoring and Sampling Plan - (h)(6)

*Exceedance is 10 times the **Benchmark Concentration** (the average of all Valid Samples of a Metal TAC for 30 calendar days preceding the submittal of the draft Reduce Monitoring and Sampling Plan)

Three Exceedances of the Benchmark Concentration

REDUCED BASIC PLAN

Executive Officer determined that exceedances were attributed to the Metal TAC Monitoring Facility (h)(3)

Executive Officer increases sampling frequency and/or number of monitors and provides Basic Monitoring and Sampling Plan to owner or operator

Monitor and sample 1-in-3 Days and implement approved Basic Monitoring and Sampling Plan (h)(3)(A) and (h)(3)(B)

REDUCED ALTERNATIVE PLAN

Executive Officer determined that exceedances were attributed to the Metal TAC Monitoring Facility (h)(6)

Executive Officer increases sampling frequency and/or number of monitors and provides Alternative Monitoring and Sampling Plan to owner or operator

Pay fees and Executive Officer monitors and samples 1-in-3 days and implement approved Alternative Monitoring and Sampling Plan (h)(6)(A) and (h)(6)(B)

Monitoring, Recordkeeping, and Reporting Requirements – Monthly Reports (i)(1)

- Effective upon start of Monitoring and Sampling, the facility shall electronically submit a monthly report the Executive Officer by the 21st of the following month – (i)(1)
- Valid Sample information: date, location, concentrations - (i)(1)(A) to (i)(1)(C)
- Consecutive 30 calendar day rolling average concentrations – (i)(1)(D)

Monitoring, Recordkeeping, and Reporting Requirements – Records (i)(2)

- Facility shall maintain the following records for a minimum of three years and make available to the Executive Officer upon request [(i)(2)]
 - Housekeeping activities [(i)(2)(A)]
 - Maintenance activities [(i)(2)(B)]
 - Construction and demolition activities [(i)(2)(C)]
 - Throughput records for metals [(i)(2)(D)]
 - Wind speed and direction data [(i)(2)(E)]
 - Calibration records for monitors [(i)(2)(F)]
 - Raw data, monthly reports, and calculations [(i)(2)(G)]
 - Most recently approved Monitoring and Sampling Plan [(i)(2)(H)]
 - Chain of custody records [(i)(2)(I)]

Monitoring, Recordkeeping, and Reporting Requirements – Notifications (i)(3)

- If three consecutive Valid Samples individually exceed the concentration specified in plan or if none was specified, ten times the concentration that corresponds to the Significant Risk Level, the facility shall call 1-800-CUT SMOG with 24 hours of the third Valid Sample result

Monitoring, Recordkeeping, and Reporting

Requirements – Missed Valid Sample (i)(4) and (i)(5)

- The facility shall call 1-800-CUT SMOG within two hours of knowing that a Valid Sample was not or will not be collected from any approved monitor and provide [(i)(4)]
 - Facility name [(i)(4)(A)]
 - Monitor location [(i)(4)(B)]
 - Date of occurrence [(i)(4)(C)]
 - Reason why sample was not collected or why sample collected was not a Valid Sample, if known [(i)(4)(D)]
 - Repair date or anticipated repair date if the cause was due to a mechanical failure of an approved monitor [(i)(4)(E)]
- Within seven days of notification, facility shall electronically submit copies of documentation of any required repairs or replacement due to mechanical failure of an approved monitor [(i)(5)]

Request to Discontinue Monitoring and Sampling – (j)

- After conducting Monitoring and Sampling for more than 180 consecutive days, owner or operator may submit a Monitoring and Sampling Relief Plan to discontinue monitoring that includes:
 - 365 days of throughput records for equipment or processes that emit Metals of Concern [(j)(1)(A)]
 - Description of the Enforceable Measures implemented [(j)(1)(B)]
 - List of housekeeping measures [(j)(1)(C)]
 - Status of a Risk Reduction Plan or, if not required, Health Risk Assessment [(j)(1)(D)]

Approval of a Monitoring and Sampling Relief Plan – (j)

- Executive Officer would evaluate the Monitoring and Sampling Relief Plan with approval being based on meeting the following requirements: [(j)(2)]
 - Throughput records submitted represent normal operations [(j)(2)(A)]
 - Housekeeping measures have been incorporated into either a Risk Reduction Plan or Monitoring and Sampling Relief Plan [(j)(2)(B)]
 - Verification that the Risk Reduction Plan has been implemented or, if not required, the Health Risk Assessment has been approved [(j)(2)(C)]
- No later than 90 days after receiving the Monitoring and Sampling Relief Plan, the Executive Officer will provide a status of the Monitoring and Sampling Relief Plan review [(j)(3)]
- On the date of approval of the Monitoring and Sampling Relief Plan, the facility is no longer a Metal TAC Monitoring Facility and no longer subject to Monitoring and Sampling Requirements [(j)(4)]
- Evaluation of the Monitoring and Sampling Plan is subject to Rule 306 – Plan Fees [(j)(5)]

Exemptions (k)

- Lead emissions subject to ambient air monitoring as required by:
 - Rule 1420 – Emissions Standard for Lead
 - Rule 1420.1 – Emission Standards for Lead and Other Toxic Air Contaminants from Large Lead-Acid Battery Recycling Facilities
 - Rule 1420.2 – Emission Standards for Lead from Metal Melting Facilities
- Hexavalent chromium emissions subject to ambient air monitoring as required by Rule 1156 – Further Reductions of Particulate Emissions
- Other Metal TAC emissions from these facilities are subject to PR 1480
- Lead and hexavalent chromium emissions from facilities not conducting ambient air monitoring pursuant to the above rules are subject to PR 1480

Appendix 1 – South Coast AQMD Quarterly Monitoring Fees

- Fees include monitoring equipment, materials, labor, sample retrieval, sample analysis, construction and associated fees
- Preparation of an Alternative Monitoring and Sampling Plan is \$6,000
- Table lists quarterly fees, unless Executive Officer uses a third-party contractor

	Number and Type of Monitor	Sampling Frequency	
		1 in 3 Days	1 in 6 Days
Base	2 - Metal TAC Monitor - Hexavalent Chromium	\$42,000	\$21,000
	2 - Metal TAC Monitor – Non-Hexavalent Chromium	\$22,000	\$11,000
	2 - Metal TAC Monitor –Hexavalent Chromium & 2 - Metal TAC Monitor – Non-Hexavalent Chromium	\$60,000	\$30,000
	Wind Monitor	\$2,000	
Additional	1- Metal TAC Monitor - Hexavalent Chromium	\$12,000	\$6,000
	1- Metal TAC Monitor – Non-Hexavalent Chromium	\$7,000	\$4,000

Impacted Facilities

Potentially Affected Industries

- PR 1480 will affect facilities that emit Metal TACs and contribute to a high health risk at a Sensitive Receptor
- Types of operations with potential Metal TAC emissions:
 - Chromic acid anodizing and chromium plating
 - Metal grinding and buffing
 - Metal melting
 - Forges and other hot metal working
 - Welding and hot cutting (without use of lubricants)
 - Metal heat treating
 - Cement manufacturing or batching
 - Scrapyards and recyclers that process metals and/or concrete
 - Chromium-containing coating
 - Leather tanning

Socioeconomic Impact Assessment

Applicable Legal Requirements for PR 1480

- California Health and Safety Code Section 40440.8
 - Requires socioeconomic impact assessment for proposed rule or rule amendment which “will significantly affect air quality or emissions limitations”
 - Socioeconomic impact assessment shall consider:
 - Type of affected industries, including small businesses
 - Impact on employment and regional economy
 - Range of probable costs, including costs to industry or business

Cost Assumptions

- One-time compliance costs
 - Capital cost of new equipment (e.g. monitors)
 - Preparation of Monitoring and Sampling Plans
- Recurring costs
 - Monitoring and sampling (e.g. annual calibration and maintenance)
 - Sampling analysis
- Staff is looking for input on these and/or other costs

California Environmental Quality Act

California Environmental Quality Act (CEQA)

- PR 1480 does not contain any project elements requiring physical modifications that would cause an adverse affect on the environment
- PR 1480 is exempt from CEQA and staff will prepare a Notice of Exemption pursuant to:
 - CEQA Guidelines Section 15061(b)(3) which exempts actions where it can be seen with certainty that there is no possibility that the proposed project may have a significant adverse effect on the environment
 - CEQA Guidelines Section 15306 which exempts information gathering projects consisting of basic data collection and research activities that will not result in a serious or major disturbance to an environmental resource
 - CEQA Guidelines Section 15308 which exempts actions by regulatory agencies taken to protect or enhance the environment
- If PR 1480 is adopted by South Coast AQMD Governing Board, a Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties

Key Dates

Action	Date
Written Comments Due	October 8, 2019
Stationary Source Committee	October 18, 2019
Set Hearing	November 1, 2019
Public Hearing	December 6, 2019

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