

**PROPOSED AIR TOXIC METALS MONITORING
RULE 1480.**

(a) Purpose

The purpose of this rule is to require an owner or operator of a facility that is designated by the Executive Officer as a Potentially Significant Facility of Metal TAC emissions to conduct Metal TAC Monitoring.

(b) Applicability

This rule applies to an owner or operator of any facility that receives an Initial Notice.

(c) Definitions

(1) AMBIENT AIR means outdoor air.

(2) ~~BUILDING ENCLOSURE means a permanent building or physical structure, or portion of a building, enclosed with a floor, walls, and a roof to prevent exposure to the elements, (e.g., precipitation, wind, run-off), with limited openings to allow access for people, vehicles, equipment, or parts. A room within a building enclosure that is completely enclosed with a floor, walls, and a roof would also meet this definition.~~

(2) CANCER RISK is the estimated probability of a potential maximally exposed individual contracting cancer as a result of exposure to Metal TAC(s) for Sensitive Receptor locations calculated pursuant to the Risk Assessment Procedures referenced in Rule 1401.

(3) ENFORCEABLE MEASURE is a measure that will reduce or eliminate emissions of Metals of Concern and the associated health risk, and is real, permanent, quantifiable, and enforceable by the Executive Officer.

(34) INDIVIDUAL SUBSTANCE CHRONIC HAZARD INDEX is as defined in Rule 1401 – New Source Review of Toxic Air Contaminants.

(45) INITIAL NOTICE means a written notice to an owner or operator of a facility that Metal TAC Monitoring is being conducted and a Notice of Findings may be issued.

(56) MAXIMUM EXPECTED GROUND LEVEL CONCENTRATION means the greatest concentration of a specific Metal TAC from a facility as determined by air dispersion modeling calculations and emission estimates from toxic metal point sources and fugitive toxic metal-dust sources, meteorology, and other factors.

- (67) METALS OF CONCERN means the specific Metal TAC(s) that are identified in the notice that a facility has been designated as a Potentially Significant Facility pursuant to paragraph (d)(910).
- (78) METAL TOXIC AIR CONTAMINANT (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.
- (89) METAL TAC MONITORING means ambient air monitoring that is designed to measure concentrations of Metal TAC(s) from a facility and is conducted by an owner or operator of the facility, ~~District South Coast Air Quality Management District (South Coast AQMD)~~, or third party contractor.
- (910) NOTICE OF FINDINGS means a notice from the Executive Officer that a facility may be a Potentially Significant Facility.
- (110) POTENTIALLY SIGNIFICANT FACILITY means a facility that meets the criteria in paragraph (d)(9), ~~as determined by the Executive Officer, that is likely to either exceed or has exceeded the Significant Risk Level for any Sensitive Receptor location based on ambient air monitoring data, emissions data, air dispersion modeling, or other data~~
- (121) REDUCED RISK LEVEL means a ~~Sensitive Receptor~~ Cancer Risk that is less than 25 in one million and a total Individual Substance Chronic Hazard Index that is less than 3.0 for all target organ systems from a facility at all Sensitive Receptor locations.
- (132) SAMPLE EXTRACT means the solution rendered from the acid extraction and digestion of a filter sample used for metals sample analysis.
- (134) SCHOOL means any public or private school, including juvenile detention facilities with classrooms, used for the education of more than 12 children at the school in kindergarten through grade 12. School also means an Early Learning and Developmental Program by the U.S. Department of Education or any state or local early learning and development programs such as preschools, Early Head Start, Head Start, First Five, and Child Development Centers. A school does not include any private school in which education is primarily conducted in private homes. The term includes any building or structure, playground, athletic field, or other area of school property.
- (145) SENSITIVE RECEPTOR means any residence including private homes, condominiums, apartments, and living quarters; Schools; 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.

- (15) ~~SENSITIVE RECEPTOR CANCER RISK is the estimated probability of a potential maximally exposed individual contracting cancer as a result of exposure to Metal TAC(s) for Sensitive Receptor locations calculated pursuant to the Risk Assessment Procedures referenced in Rule 1401.~~
 - (16) SIGNIFICANT RISK LEVEL means a ~~Sensitive Receptor~~ Cancer Risk that is equal to or greater than 100 in one million or a total Individual Substance Chronic Hazard Index that is greater than 5.0 for any target organ system from a facility at any Sensitive Receptor location.
 - (17) VALID SAMPLE means a sample for which the sampling run-time was no less than 23 hours and no greater than 25 hours or a sampling run-time or an alternative method approved by the Executive Officer.
- (d) Designation of a Potentially Significant Facility
- (1) The Executive Officer may issue an Initial Notice to an owner or operator of a facility if the Executive Officer has reason to believe the facility may be contributing to elevated concentrations of Metal TAC(s) or may be emitting a substantial amount of Metal TAC emissions.
 - (2) An owner or operator of a facility issued an Initial Notice shall comply with written requests from the Executive Officer, which may include:
 - (A) Conducting emissions testing and/or sample analyses, or providing the Executive Officer access to the facility to conduct such activities;
 - (B) Allowing the Executive Officer to conduct Metal TAC Monitoring for the limited duration specified in the written request; and
 - (C) Providing material usage, manifests, emissions testing results, and other records for any Metal TAC(s) ~~Toxic Air Contaminants listed in Table 1 of Rule 1401.~~
 - (3) At least 30 days and no later than 180 days following the issuance of an Initial Notice, the Executive Officer may issue a Notice of Findings to an owner or operator of a facility, which will include:
 - (A) Results of Metal TAC Monitoring with information on each individual sample including the Metal TAC(s) monitored, concentration of each Metal TAC, the date(s) and sample location(s);
 - (B) Findings that demonstrate the facility is contributing to ambient levels for the Metal TAC(s) identified in subparagraph (d)(3)(A); and

- (C) Location of the Sensitive Receptor with the highest ~~Sensitive Receptor Cancer Risk~~ and/or Individual Substance Chronic Hazard Index and the values.
- (4) No later than 14 days after receiving a Notice of Findings pursuant to paragraph (d)(3), an owner or operator of a facility may submit a written request to the Executive Officer to schedule a meeting to discuss the Notice of Findings.
- (5) No later than 30 days from the date of the Notice of Findings, an owner or operator of a facility shall:
- (A) Respond in writing to the Executive Officer that no additional information will be provided;
- (B) Submit additional information for the Executive Officer to consider; or
- (C) Notify the Executive Officer in writing that additional information will be submitted no later than 60 days from the date of the Notice of Findings.
- (6) No later than 60 days from the date of the Notice of Findings, an owner or operator of a facility shall provide a written list to the Executive Officer of any ~~enforceable measures that permanently reduce Metal TAC emissions from the facility, including, but not limited to, surrendering or modifying Permits to Operate.~~
- (7) No later than 60 days from the date of the Notice of Findings, an owner or operator of a facility that submitted a written notice to the Executive Officer pursuant to subparagraph (d)(5)(C) shall submit any additional information to the Executive Officer for consideration.
- (8) An owner or operator of a facility, electing to provide the Executive Officer information to substantiate that the Metal TAC emissions detected by Metal TAC Monitoring are not attributed to the facility, shall include the following information to the Executive Office within the timelines specified in either paragraph (d)(5) or (d)(7):
- (A) Date(s) of the Metal TAC Monitoring sample(s);
- (B) Location of the monitor where the Metal TAC Monitoring sample was collected;
- (C) Description of the alleged cause(s) and source(s) of the Metal TAC emissions including time frame and location; and
- (D) Evidence demonstrating that the cause(s) and source(s) of the Metal TAC emissions is not attributed to the facility.

- (89) ~~A facility shall be~~The Executive Officer will designate a facility as a Potentially Significant Facility based on information, including, but not limited to, the information provided in paragraphs (d)(3), (d)(5), (d)(6), and (d)(7), if the following criteria are met:
- (A) The facility has equipment or processes with Metal TAC(s) emissions;
 - (B) The Metal TAC(s) emissions are capable of being released into the ambient air; and
 - (C) The facility has exceeded the Significant Risk Level for any Sensitive Receptor using air dispersion modeling and the Risk Assessment Procedures referenced in Rule 1401, taking into account the following:
 - (i) Results of Metal TAC emissions testing and sampling analyses;
 - (ii) Metal TAC Monitoring results;
 - (iii) Records of Metal TAC material usages, manifests, and other records;
 - (iv) Information provided in paragraph (d)(3), (d)(5), (d)(6), and (d)(7);
 - (v) Background concentrations and contributions from other sources; and
 - (vi) Other information available to the Executive Officer.
- (910) The Executive Officer will notify an owner or operator of a facility in writing) if the facility has or has not been designated as a Potentially Significant Facility pursuant to paragraph (d)(9). A facility designated as a Potentially Significant Facility will be provided the following information:
- (A) Information that demonstrates the facility met the criteria specified in paragraph (d)(9) used as the basis to designate the facility as a Potentially Significant Facility;
 - (B) Location of the Sensitive Receptors with the highest Sensitive Receptor Cancer Risk and/or Individual Substance Chronic Hazard Index and the values that exceed the Significant Risk Level and the estimated values; and
 - (C) Metals of Concern;
 - (D) The equipment and processes that may be contributing to Metals of Concern emissions; and
 - (E) The initial number, type, and approximate location of Metal TAC monitors and wind monitors needed to conduct Metal TAC Monitoring.

(e) Monitoring and Sampling Plan

- (1) No later than 30 days after a facility is designated as a Potentially Significant Facility, an owner or operator of a Potentially Significant Facility shall submit an application and fees for a draft Monitoring and Sampling Plan to the Executive Officer, ~~that includes:~~
- (2) A draft Monitoring and Sampling Plan shall include the following:
 - (A) A list of all equipment and processes that use or emit Metals of Concern with operating schedules;
 - (B) Any existing source test or emissions test reports of equipment and processes listed in subparagraph (e)(2)(A);
 - (C) A map of the facility that identifies the location of:
 - (i) All equipment and processes listed in subparagraph (e)(2)(A);
 - (ii) Air pollution control devices and stacks;
 - (iii) ~~Buildings-Enclosures;~~
 - (iv) ~~Building Enclosure~~ openings;
 - (v) Storage of any materials that contain Metals of Concern;
 - (vi) Points of vehicle egress and ingress;
 - (vii) Property boundary of the facility;
 - (viii) Areas within the property boundary of the facility that are publicly accessible; and
 - (ix) Nearest Sensitive Receptors in all directions.
 - (D) A list of all equipment to be used for Metal TAC Monitoring and collecting wind data;
 - (E) Sampling and data collection information~~Procedures including:~~
 - (i) Installation, operation, and maintenance of the Metal TAC Monitoring equipment;
 - (ii) Sampling schedule, sample collection, sample retrieval, and sample analysis, sample storage, and chain of custody document that meet the requirements of subdivision (f);
 - (iii) Quality assurance for Metal TAC Monitoring;
 - (iv) Wind speed and direction data collection;
 - (v) ~~Background subtraction~~ Make-up Valid Sample procedures; and
 - (vi) Metals of Concern and/or surrogate of Metals of Concern to be sampled.

- (F) Number and locations of the sampling sites ~~that meet the requirements of subdivision (f);~~ with a minimum of two sample sites where:
- (i) Location of at least one sampling site shall be based on the Maximum Expected Ground Level Concentration of the Metals of Concern; and
 - (ii) Location of at least one sampling site represents upwind or background concentrations.
- (G) The company name(s) and contact information that will be conducting:
- (i) ~~Ambient air monitoring and s~~Sample collection and sample retrieval;
 - (ii) ~~Sample analysis and sample storage; and~~
 - (iii) Sample storage; and
 - ~~(iiiiv)~~ Maintenance of monitoring and sampling equipment.
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- (H) Any other process or emission information the Executive Officer requests in writing; and
- (I) Date when Metal TAC Monitoring ~~will~~begin.
- (23) The Executive Officer will notify an owner or operator of a Potentially Significant Facility in writing whether the draft Monitoring and Sampling Plan is approved or disapproved. Approval of the draft Monitoring and Sampling Plan will be based on information submitted pursuant to paragraph (e)(42).
- (A) ~~If the Executive Officer disapproves the draft Monitoring and Sampling Plan is disapproved, an owner or operator of a Potentially Significant Facility shall submit a revised draft Monitoring and Sampling Plan within 30 calendar days after the date of the notice of disapproval of the draft Monitoring and Sampling Plan that addresses deficiencies identified in the disapproval letter.:~~
- (i) The Executive Officer will provide an owner or operator of a Potentially Significant Facility with a disapproval letter that identifies the deficiencies in the draft Monitoring and Sampling Plan; and
 - (ii) An owner or operator of a Potentially Significant Facility shall submit a revised draft Monitoring and Sampling Plan within 30 days after the date of the disapproval letter that addresses all deficiencies identified in the disapproval letter.
- (B) ~~The Executive Officer will either:~~

- (i) ~~Approve the revised draft Monitoring and Sampling Plan; or~~
 - (ii) ~~Disapprove the revised draft Monitoring and Sampling Plan.~~
- (~~B~~C) Within 30 days of receiving a disapproval of a revised draft Monitoring and Sampling Plan pursuant to clause ~~(e)(2)(B)(ii)~~, an owner or operator of a Potentially Significant Facility shall: ~~either cease operating equipment or processes that may be contributing to Metals of Concern emissions specified in paragraph (d)(9) or elect the alternative monitoring and sampling pursuant to paragraph (g)(2).~~
- (i) Permanently cease operating equipment and processes that may be contributing to Metals of Concern emissions specified in subparagraph (d)(10)(D) and request to inactivate or cancel the associated permit or application, or elect the alternative monitoring and sampling pursuant to paragraph (g)(2); and
 - (ii) Notify the Executive Officer in writing that an owner or operator has permanently ceased operating equipment and processes specified in subparagraph (d)(10)(D) or has elected the alternative monitoring and sampling pursuant to paragraph (g)(2).
- (34) Modifications to an approved Monitoring and Sampling Plan
~~The Executive Officer may require modification to an approved Monitoring and Sampling Plan based on new information including from the implementation of an approved Monitoring and Sampling Plan.~~
- (A) An owner or operator of a Potentially Significant Facility that is required by the Executive Officer to modify its Monitoring and Sampling Plan shall submit a ~~revised draft~~ Monitoring and Sampling Plan no later than 30 days from receiving written notice from the Executive Officer.
 - (~~B~~) (i) The Executive Officer will notify an owner or operator of a Potentially Significant Facility in writing whether the ~~revised draft~~ Monitoring and Sampling Plan is approved or disapproved. ~~Approval of the revised Monitoring and Sampling Plan shall be based on information submitted pursuant to paragraph (e)(1).~~
 - (ii) If the Executive Officer disapproves the revised draft Monitoring and Sampling Plan; ~~is disapproved, an owner or operator of a Potentially Significant Facility shall submit a~~

~~revised Monitoring and Sampling Plan within 30 calendar days after the date of the notice of disapproval of the revised Monitoring and Sampling Plan that addresses deficiencies identified in the disapproval letter.~~

(A) The Executive Officer will provide an owner or operator of a Potentially Significant Facility with a disapproval letter that identifies the deficiencies in the draft Monitoring and Sampling Plan; and

(B) An owner or operator of a Potentially Significant Facility shall submit a revised draft Monitoring and Sampling Plan within 30 days after the date of the disapproval letter that addresses all deficiencies identified in the disapproval letter.

(ii) If the Executive Officer disapproves the revised draft Monitoring and Sampling Plan, the Executive Officer will either: modify the Monitoring and Sampling Plan to address deficiencies in the disapproval letter and approve the modified Monitoring and Sampling Plan.

~~(A) Approve the revised Monitoring and Sampling Plan; or~~

~~(B) Modify the revised Monitoring and Sampling Plan and approve the modified revised Monitoring and Sampling Plan to address deficiencies in the disapproval letter referenced in subparagraph (e)(3)(B).~~

(B) An owner or operator of a Potentially Significant Facility that elects to modify its Monitoring and Sampling Plan shall submit a draft Monitoring and Sampling Plan for approval by the Executive Officer.

(i) The Executive Officer will notify an owner or operator of a Potentially Significant Facility in writing whether the draft Monitoring and Sampling Plan is approved or disapproved.

(ii) If the Executive Officer disapproves the draft Monitoring and Sampling Plan:

(A) The Executive Officer will provide an owner or operator of a Potentially Significant Facility with a disapproval letter that identifies the deficiencies in the draft Monitoring and Sampling Plan; and

~~consecutive any 30 consecutive calendar days period~~ from each monitor approved by the Executive Officer.

- (54) An owner or operator of a Potentially Significant Facility shall notify the Executive Officer by calling 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:
- (A) Facility name;
 - (B) Identification of the monitor;
 - (C) Date of the occurrence;
 - (D) Reason why a sample was not collected or the collected sample did not meet the definition of a Valid Sample to the extent known; and
 - (E) Repair date or anticipated repair date to the extent known, if the cause was due to mechanical breakdown of ~~equipment~~ an approved monitor.
- (5) Within seven days after telephone notification to the Executive Officer, copies of documentation of any required repairs or replacement due to mechanical failure of an approved monitor shall be submitted to the Executive Officer. The Executive Officer may extend this deadline as needed based upon the repair date.
- (6) ~~An owner or operator of a Potentially Significant Facility shall record 15 minute averages of wind speed and direction at all times using equipment approved by the Executive Officer at a minimum of one location approved by the Executive Officer.~~
- (76) An owner or operator of a Potentially Significant Facility shall retain Valid Samples collected or the Sample Extracts, if the entire filter media are digested, for one year from the sample date or other time period pre-approved by the Executive Officer, except those for hexavalent chromium. Upon request, the samples shall be provided to the Executive Officer within three business days. ~~analyze each Valid Sample as follows:~~
- (A) ~~Submit the collected Valid Samples to a laboratory that has been approved in writing by the Executive Officer for analysis within:~~
 - (i) ~~Three calendar days of collection for any Metal TAC except hexavalent chromium; and~~
 - (ii) ~~One calendar day of collection for hexavalent chromium.~~
 - (B) ~~Monitor and analyze Valid Samples collected in accordance with one of the following test methods:~~

- (i) ~~ASTM Method D7614 — Standard Test Method for Determination of Total Suspended Particulate (TSP) Hexavalent Chromium in Ambient Air Analyzed by Ion Chromatography (IC) and Spectrophotometric Measurements for hexavalent chromium; or~~
 - (ii) ~~U.S. EPA Method IO 3.5 for non-hexavalent chromium metals; or~~
 - (iii) ~~Other method pre-approved by the Executive Officer in writing.~~
- (C) ~~Valid Samples collected or the Sample Extracts if the entire filter media are digested, except those for hexavalent chromium, shall be retained for one year from the sample date or other time period pre-approved in writing by the Executive Officer. Each Valid Sample or Sample Extract shall be stored in an individually sealed container and labeled with the applicable monitor and date by the laboratory that performed the analysis. Upon request, the samples shall be provided to Executive Officer within one business day.~~
- (87) An owner or operator of a Potentially Significant Facility shall not conduct any activities that have the potential to damage or bias the samples, ~~including, but not limited to, wet washing or misting within 10 meters of any sampling site.~~

(g) Alternative Monitoring and Sampling

- (1) An owner or operator of a Potentially Significant Facility that elects to have the Executive Officer conduct Metal TAC Monitoring in lieu of meeting the requirements of subdivision (f), shall notify the Executive Officer in writing no later than 30 days after being designated a Potentially Significant Facility.
- (2) An owner or operator of a Potentially Significant Facility that elects to, pursuant to either ~~subparagraph clause (e)(23)(C)(i)~~ or paragraph (g)(1), have the Executive Officer conduct Metal TAC Monitoring shall:
 - (A) Provide access to the facility for the Executive Officer to conduct Metal TAC Monitoring; and
 - (B) Pay the annual operating and maintenance fees for Metal TAC Monitoring and the fees associated with the preparation of a Monitoring and Sampling Plan either: pursuant to Rule 301 — Permitting and Associated Fees; or if Rule 301 does not list a fee for Metal TAC Monitoring, pay fees pursuant to Appendix 1 of this rule.

- (i) Pursuant to Rule 301 – Permitting and Associated Fees; or
 - (ii) Pursuant to Appendix I of this rule, if Rule 301 does not list the fees for Metal TAC Monitoring and preparation of a Monitoring and Sampling Plan.
 - (3) No later than 30 days after electing to have the Executive Officer conduct Metal TAC Monitoring, an owner or operator of a Potentially Significant Facility shall provide the Executive Officer the information specified in subparagraphs (e)(2)(A), (e)(2)(B), and (e)(2)(C).
 - (4) The Executive Officer will provide a Monitoring and Sampling Plan to an owner or operator of a Potentially Significant Facility subject to (g)(2) that includes the information specified in subparagraphs (e)(2)(D), (e)(2)(E), (e)(2)(F), (e)(2)(G), and (e)(2)(I).
 - (5) The Executive Officer may modify the number, type, and location of the monitors needed to conduct Metal TAC Monitoring based on new information from the date the facility was designated a Potentially Significant Facility by modifying the Monitoring and Sampling Plan and providing a written notice to an owner or operator of a Potentially Significant Facility.
 - (6) An owner or operator of a Potentially Significant Facility that elects to no longer have the Executive Officer conduct monitoring and sampling and to directly comply with subdivision (f), shall:
 - (A) Notify the Executive Officer that the owner or operator has elected to conduct ambient monitoring to meet the requirements of subdivision (f);
 - (B) Demonstrate that the Executive Officer has conducted Metal TAC Monitoring for a minimum of 90 calendar days from the date specified in a Monitoring and Sampling Plan pursuant to subparagraph (e)(2)(I); and
 - (C) Provide an approved Monitoring and Sampling Plan that has been revised to reflect the Executive Officer will no longer be conducting monitoring and sampling and an owner or operator will be conducting monitoring and sampling.
- (h) Reduced Monitoring and Sampling Frequency
- (1) An owner or operator of a Potentially Significant Facility may submit a written request to the Executive Officer to reduce the monitoring and sampling frequency to collect one Valid Sample at all sites, at least once every six days

for Metals of Concern by modifying the Monitoring and Sampling Plan pursuant to (e)(4)(B), provided:

- (A) The facility does not exceed the Reduced Risk Level for any Sensitive Receptor~~No single 30-day rolling average concentration exceeds a concentration that corresponds to the Reduced Risk Level for any Sensitive Receptor for all Metals of Concern for 180 consecutive days; and~~
 - (B) The measures identified in an approved Early Action Reduction Plan pursuant to Rule 1402 – Control of Toxic Air Contaminants from Existing Sources or ~~permanent measures that are enforceable and verified by the Executive Officer to reduce emissions of Metals of Concern~~Enforceable Measures have been implemented; and
 - (C) An owner or operator of a Potentially Significant Facility was not previously on a reduced monitoring and sampling frequency of once every six days.
- (2) ~~The~~An owner or operator of a Potentially Significant Facility submitting a written request to the Executive Officer to collect one Valid Sample at ~~all~~each sites at least once every six days for Metals of Concern shall provide the Executive Officer the most recent 30 calendar -day rolling average concentration from the date of the written request~~Metal TAC Monitoring data collected in the duration specified in (h)(1)(A).~~
- (3) An owner or operator of a Potentially Significant Facility that receives written ~~confirmation notice that the modified Monitoring and Sampling Plan has been approved by~~from the Executive Officer, ~~that the provisions in paragraph (h)(1) and (h)(2) have been met~~ shall collect one Valid Sample, at each site, at least once every six days for Metals of Concern.
- (4) If the concentration of any Metals of Concern ~~at~~of any ~~downwind monitoring site~~Valid Sample exceeds 10 times the concentration provided to the Executive Officer pursuant to ~~sub~~paragraph (h)(2), for three consecutive samples, and the Reduced Risk Level is exceeded for any Sensitive Receptor, then an owner or operator of a Potentially Significant Facility shall notify the Executive Officer by calling 1-800-CUT-SMOG within 24-hours of receiving the Metal TAC concentration and provide:
- (A) Facility name;
 - (B) Identification of the monitor with corresponding Valid Sample;
 - (C) Date(s) of each exceedance; and

- (D) Valid Sample concentrations
- (5) Within 24-hours after telephone notification to the Executive Officer pursuant paragraph (h)(4), an owner or operator of a Potentially Significant Facility may provide the Executive Officer with the following written information to substantiate that the exceedance pursuant to paragraph (h)(4) is not attributed to the facility:
- (A) Date of the Valid Sample(s);
- (B) Concentration of the Valid Sample(s);
- (C) Location of the monitor(s) where the Valid Sample was collected;
- (D) Metal TAC concentrations at all of the Potentially Significant Facility's Metal TAC monitors for 30 prior days, including the date of the Valid Sample specified in subparagraph (h)(5)(A);
- (E) Wind data from the date of the Valid Sample(s);
- (F) Description of the alleged cause(s) and source(s) of the exceedance including timeframe and location; and
- (G) Evidence demonstrating the cause(s) of that exceedance is not attributed to the facility's operation.
- (6) The Executive Officer will consider the information submitted in paragraph (h)(5) and notify an owner or operator of a Potentially Significant Facility of the determination in writing.
- (7) An owner or operator of a Potentially Significant Facility shall resume collecting one Valid Sample, at each site, at least once every three days for Metals of Concern either:
- (A) No later than the next scheduled sampling day from the date the Executive Officer notified an owner or operator of a Potentially Significant Facility that the exceedances was attributed to the facility;
or
- (B) No later than the next scheduled sampling day from the date of the telephone notification to the Executive Officer pursuant paragraph (h)(4) if an owner or operator of Potentially Significant Facility did not provide the information pursuant to paragraph (h)(5).
- (A) ~~Call 1-800-CUT-SMOG within 24 hours of receiving the Metal TAC concentration informing the Executive Officer that the facility will be resuming a sampling schedule pursuant to subparagraph (h)(4)(B); and~~

- ~~(B) Resume collecting one Valid Sample, at each site, at least once every three days for Metals of Concern no later than the next scheduled sampling day.~~
- ~~(5) An owner or operator of a Potentially Significant Facility required to resume a sampling schedule of at least once every three days pursuant to subparagraph (h)(4)(B), shall be ineligible to modify the sampling schedule to once every six days.~~
- ~~(6) An owner or operator of a Potentially Significant Facility may continue collecting one Valid Sample, at each site, at least once every six days for Metals of Concern if the concentration of any Metals of Concern at any downwind monitoring site exceeds 10 times the concentration provided to the Executive Officer pursuant to subparagraph (h)(2) for three consecutive samples, but the Sensitive Receptor Cancer Risk and Individual Substance Chronic Hazard Index for all Sensitive Receptors is less than the Reduced Risk Level.~~
- (i) Monitoring, Recordkeeping, and Reporting Requirements

 - (1) Effective upon start of Metal TAC Monitoring pursuant to subdivision (f), an owner or operator of a Potentially Significant Facility shall submit a report to the Executive Officer by the 21st of each month. The report shall include the results of the Valid Sample analysis for the Metals of Concern and the wind monitoring data for the preceding month in a format approved by the Executive Officer that includes the following:

 - (A) Valid Sample collection date;
 - (B) Valid Sample collection location;
 - (C) Individual Valid Sample concentrations;
 - (D) Consecutive 30- calendar day rolling average concentrations; and
 - (E) Concentration pursuant to paragraph (h)(2) if the facility is on a reduced monitoring and sampling schedule pursuant to paragraph (h)(3).
 - (2) An owner or operator of a Potentially Significant Facility shall maintain the following records for a minimum of three years and make the records available to the Executive Officer upon request:

 - (A) Housekeeping activities;
 - (B) Maintenance activities;
 - (C) Construction and demolition activities;

- (D) Throughput records of metals used in any operations capable of generating emissions of Metals of Concern;
 - (E) Wind speed and direction data;
 - (F) Calibration records of Metal TAC monitors and wind monitors;
 - (G) Raw data, monthly reports pursuant to subparagraph (i)(1), and calculations used to calculate Metal TAC concentrations; and
 - (H) ~~Current~~Most recently Executive Officer approved Monitoring and Sampling Plan.
- (3) An owner or operator of a Potentially Significant Facility shall notify the Executive Officer by calling 1-800-CUT-SMOG within 24 hours of knowing that a Valid Sample concentration exceeds a concentration that corresponds to ten times the Significant Risk Level and provide the information specified in subparagraphs (h)(4)(A) through (h)(4)(D).
- (4) An owner or operator of a Potentially Significant Facility, electing to provide the Executive Officer with information to substantiate that an exceedance pursuant to paragraph (i)(3) was not attributed to the facility, shall include the information specified in subparagraphs (h)(5)(A) through (h)(5)(G).
- (j) Request to Discontinue Metal TAC Monitoring
- (1) An owner or operator of a Potentially Significant Facility that has been conducting Metal TAC Monitoring ~~monitoring and sampling~~ for more than 180 consecutive calendar days ~~and elects~~ ~~may submit a request to discontinue Metal TAC Monitoring~~ ~~shall~~ ~~by~~ submitting a ~~modified~~ Monitoring and Sampling Relief Plan to the Executive Officer that includes the following information:
- (A) ~~Most recent available results for 180 consecutive days of Metal TAC Monitoring data preceding the date of the request for each monitor and Metals of Concern;~~
 - (~~BA~~) Monthly process~~Throughput~~ records for equipment or processes that emit Metals of Concern for the 365 days preceding the date of the request;
 - (~~CB~~) A description of the ~~e~~Enforceable m~~Measures~~ implemented ~~to reduce~~ ~~Metals of Concern emissions, including, but not limited to, installation of air pollution controls, changes to the building enclosure, changes to processes, and removal of equipment;~~

- (~~DC~~ Housekeeping measures included in an approved Risk Reduction Plan) under Rule 1402 to minimize fugitive emissions; and
- (~~ED~~ Status of implementing a Risk Reduction Plan under Rule 1402, ~~if one is required.~~)
- (2) Approval of the Monitoring and Sampling Relief Plan ~~request to discontinue Metal TAC Monitoring~~ shall be based on information submitted that meets the following requirements:
- (~~A~~) ~~The consecutive 30-day rolling average concentration for any Metals of Concern for the duration specified in subparagraph (j)(1)(A) does not exceed a concentration that corresponds to the Reduced Risk Level for any Sensitive Receptor;~~
- (~~BA~~) ~~Monthly process Throughput records for equipment or processes that)~~ emit Metals of Concern for the most recent 365 days preceding the date of the request represent normal operations;
- (~~C~~) ~~Verification that enforceable measures through new Permits to Operate or modifications have been implemented;~~
- (~~DB~~ Verification that housekeeping measures were incorporated in the) approved Risk Reduction Plan under Rule 1402; and
- (~~EC~~ Verification that ~~any~~ the required Risk Reduction Plan under Rule 1402) has been fully implemented.
- (3) No later than 90 days after receiving the Monitoring and Sampling Relief Plan, ~~the~~ Executive Officer will notify an owner or operator of a Potentially Significant Facility in writing whether the Monitoring and Sampling Relief Plan ~~request to discontinue Metal TAC Monitoring~~ is approved or disapproved.
- (4) A facility shall no longer be designated as a Potentially Significant Facility from the date the Executive Officer approves the Monitoring and Sampling Relief Plan.
- (5) The Monitoring and Sampling Relief Plan shall be subject to plan fees specified in Rule 306 – Plan Fees.

(k) Exemptions

- (1) 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, or Rule 1420.2 – Emission Standards for Lead from Metal Melting Facilities, shall not be subject to this rule.

- (2) An owner or operator of a Potentially Significant Facility that elects to have the Executive Officer conduct Metal TAC Monitoring shall not be subject to ~~subdivision paragraph (e)(1)~~ and paragraphs (f)(1) through (f)(76).

Appendix 1: South Coast AQMD District Quarterly Monitoring Cost Fee for FY 2019-2020

1. Principle

This ~~cost fee~~ is applicable to all facilities that ~~have~~ elected to have South Coast AQMD ~~the District~~ conduct Metal TAC Monitoring. The ~~cost fees~~ includes monitoring equipment, material, labor, sample retrieval, sample analysis, construction and other associated ~~costs fees per sample~~. An owner or operator shall be responsible for the fees for Metal TAC Monitoring from the date specified in the Monitoring and Sampling Plan provided by the Executive Officer.

2. Preparation of a Monitoring and Sampling Plan

An owner or operator shall be responsible for [Placeholder A], which are the fees associated with the preparation of a Monitoring and Sampling Plan.

23. ~~Cost~~ Metal TAC Monitoring Fee

A. The quarterly ~~cost fees~~ listed in Table 1 – ~~Installation Quarterly Monitoring Fees~~ are, ~~are the initial costs~~ for the base cost for a specific ~~per~~ monitor and each additional monitor required by the Executive Officer to conduct Metal TAC Monitoring.

Table 1 – Quarterly Monitoring Fees

	Type of Monitor	Sampling Frequency	
		1 in 3 Days	1 in 6 Days
Base	<u>Metal TAC Monitor - Hexavalent Chromium^a</u>	<u>[\$42,000]</u>	<u>[\$22,000]</u>
	<u>Metal TAC Monitor – Non-Hexavalent Chromium^a</u>	<u>[\$23,000]</u>	<u>[\$12,000]</u>
	<u>Wind Monitor^b</u>	<u>[Placeholder B]</u>	<u>[Placeholder C]</u>
Each Additional Monitor	<u>Metal TAC Monitor - Hexavalent Chromium^b</u>	<u>[\$31,000]</u>	<u>[\$16,000]</u>
	<u>Metal TAC Monitor – Non-Hexavalent Chromium^b</u>	<u>[\$16,000]</u>	<u>[\$9,000]</u>
	<u>Wind Monitor^b</u>	<u>[Placeholder D]</u>	<u>[Placeholder E]</u>

^a Fee for two approved monitors

^b Fee for one approved monitor

- B. If the Executive Officer contracts Metal TAC Monitoring with a third-party contractor, the fees would be specified by the third-party contractor.
- C. The number, type, and location of the monitors is initially specified in subparagraph (d)(10)(E) and maintained in the Monitoring and Sampling Plan.
- D. The Executive Officer may modify the number, type, and location of the monitors needed to conduct Metal TAC Monitoring based on new information from the date the facility was designated a Potentially Significant Facility by modifying the Monitoring and Sampling Plan pursuant to paragraph (g)(5).

4. Payment Deadline

The operating and maintenance fees shall be billed on a quarterly basis with payments being due on or before January 1, April 1, July 1, and October 1, in advance of any three-month period for which Metal TAC Monitoring is required and include any other unpaid operating and maintenance fees. If the operating and maintenance fee is not paid in full within sixty (60) calendar days of its due date, a ten percent (10%) penalty shall be imposed every sixty (60) calendar days from the due date.

5. Pro-rated Payments

- A. If Metal TAC Monitoring will no longer be required to be conducted by the Executive Officer or if the sampling frequency is modified in the middle of a three month period, an owner or operator shall pay fees at a prorated amount.
- B. If the number and/or type of monitors is modified in the middle of a three month period, an owner or operator shall pay fees at a prorated amount.

Table 1: Installation Fees

Item	Cost
Metal TAC Monitor	[Placeholder A]
Weather Station	[Placeholder B]

~~B. The cost listed in Table 2—Sample Fees is for the analysis, retrieval, quality assurance/quality control, and other associated costs per sample.~~

Table 2—Sample Fees

Item	Cost
Hexavalent Chromium Sample	[Placeholder C]
Other Metal TAC Sample	[Placeholder D]

~~C. The cost listed in Table 3—Operation and Maintenance Fees is for each monitor or weather station for every [Placeholder time (day/week/month/quarter)] the monitor or weather station is sited at the facility.~~

Table 3—Operation and Maintenance Fees

Item	Cost
Hexavalent Chromium Monitor	[Placeholder E]
Other Metal TAC Monitor	[Placeholder F]
Weather Station	[Placeholder G]