

**PROPOSED AMBIENT MONITORING AND SAMPLING OF METAL
RULE 1480. TOXIC AIR CONTAMINANTS**

(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 Metal TAC Monitoring Facility pursuant to paragraph (d)(8) to conduct Monitoring and Sampling.

(b) Applicability

This rule applies to an owner or operator of any facility with Metal TAC emissions that receives an Initial Notice pursuant to paragraph (d)(1).

(c) Definitions

- (1) AMBIENT AIR means outdoor air.
- (2) BENCHMARK CONCENTRATION is the average of all Valid Samples of a Metal TAC for the 30 calendar days preceding the submittal of the draft Reduced Monitoring and Sampling Plan.
- (3) 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 most recently approved Risk Assessment Procedures referenced in Rule 1401 at the time the analysis is performed.
- (4) ENFORCEABLE MEASURE is a measure that reduces or eliminates emissions of Metal TAC(s) and is real, permanent, quantifiable, and enforceable by the Executive Officer.
- (5) INDIVIDUAL SUBSTANCE CHRONIC HAZARD INDEX is as defined in Rule 1401 – New Source Review of Toxic Air Contaminants.
- (6) 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 Metal TAC sources and fugitive Metal TAC sources, meteorology, and other factors.
- (7) METALS OF CONCERN means the specific Metal TAC(s) that are contributing to meeting or exceeding the Significant Risk Level at a Sensitive Receptor, as determined in paragraph (d)(8).

- (8) 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.
 - (9) METAL TAC MONITORING FACILITY means a facility that meets the criteria in paragraph (d)(8).
 - (10) MONITORING AND SAMPLING 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, Executive Officer, or third party contractor.
 - (11) REDUCED RISK LEVEL means 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.
 - (12) 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.
 - (13) 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.
 - (14) SIGNIFICANT RISK LEVEL means a Cancer Risk that is 100 in one million or a total Individual Substance Chronic Hazard Index that is 5.0 for any target organ system from a facility.
 - (15) VALID SAMPLE for the purposes of Monitoring and Sampling for this rule is a monitoring sample that was collected and analyzed pursuant to an approved Basic, Alternative, or Reduced Monitoring and Sampling Plan.
- (d) Designation of a Metal TAC Monitoring Facility

- (1) The Executive Officer may issue an Initial Notice that the Executive Officer is conducting Monitoring and Sampling to an owner or operator of a facility.
- (2) No later than the date specified in an Information Request, an owner or operator of a facility shall comply with all Information Requests from the Executive Officer, which may require:
 - (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 Monitoring and Sampling of Metal TAC(s) near or at the fenceline within a facility for a limited duration; and
 - (C) Providing material usage, manifests, emissions testing results, and other records for any Metal TAC(s).
- (3) At least 30 days and no later than 180 days following the issuance of an Initial Notice or 180 days following the due date specified in the most recent Information Request, whichever is later, the Executive Officer may issue a Notice of Findings to an owner or operator of a facility that the facility may be designated a Metal TAC Monitoring Facility pursuant to paragraph (d)(8), which will include:
 - (A) Results of Monitoring and Sampling of Metal TAC(s) 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) Results of data collected from any Information Request in paragraph (d)(2);
 - (C) Findings that demonstrate the facility is contributing to ambient levels of the Metal TAC(s) identified in subparagraph (d)(3)(A); and
 - (D) Location of the Sensitive Receptor with the highest Cancer Risk and/or Individual Substance Chronic Hazard Index, the values that meet or exceed the Significant Risk Level, and the contribution of each Metal TAC.
- (4) An owner or operator of a facility that elects to meet with the Executive Officer shall submit a written request no later than 14 days after receiving a Notice of Findings pursuant to paragraph (d)(3).
- (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 pursuant to paragraph (d)(6) to the Executive Officer for consideration prior to determining if the owner or operator of a facility meets the criteria specified in paragraph (d)(8); or
 - (C) Notify the Executive Officer in writing that additional information referenced in (d)(5)(B) will be submitted no later than 60 days from the date of the Notice of Findings.
- (6) An owner or operator of a facility that elects to submit additional information pursuant to subparagraph (d)(5)(B) shall provide evidence to show that the facility would not meet the criteria specified in paragraph (d)(8), including but not limited to the following:
- (A) Additional data to substantiate that some or all Metal TAC emissions from equipment or processes at the facility of the owner or operator are not contributing to the ambient monitors or to meeting or exceeding the Significant Risk Level at any Sensitive Receptor;
 - (B) A written list of Enforceable Measures that have been implemented that reduce or eliminate Metal TAC emissions; or
 - (C) Information to substantiate that the Metal TAC emissions detected by Monitoring and Sampling described in the Notice of Finding are not attributed to the facility that includes:
 - (i) Date(s) of the monitoring sample(s);
 - (ii) Location of the monitor where the monitoring sample was collected;
 - (iii) Description of the alleged cause(s) and source(s) of the Metal TAC emissions including time frame and location; and
 - (iv) Evidence demonstrating that the cause(s) and source(s) of the Metal TAC emissions is not attributed to the facility.
- (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 or respond in writing to the Executive Officer that no additional information will be provided.
- (8) The Executive Officer will consider information and data collected and information and data provided by the owner or operator of a facility pursuant to paragraph (d)(5)(B). The facility shall be designated as a Metal TAC Monitoring Facility if:
- (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) Based on the Metal TAC emissions, the Executive Officer finds that the Significant Risk Level has been met or exceeded for any Sensitive Receptor using air dispersion modeling and the Risk Assessment Procedures referenced in Rule 1401 and the facility's emissions contributed to the Significant Risk Level, taking into account the following to the extent available:
 - (i) Results of Metal TAC emissions testing and sampling analyses;
 - (ii) Results of Monitoring and Sampling;
 - (iii) Records of Metal TAC material usages, manifests, and other records;
 - (iv) Information provided in paragraphs (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.
- (9) 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 Metal TAC Monitoring Facility pursuant to paragraph (d)(8). If the facility is designated as a Metal TAC Monitoring Facility, the notification shall include:
 - (A) Information that demonstrates the facility met the criteria specified in paragraph (d)(8);
 - (B) Location of Sensitive Receptors that meet or exceed the Significant Risk Level and the estimated values;
 - (C) Metals of Concern;
 - (D) The equipment and processes that are contributing to meeting or exceeding the Significant Risk Level at the Sensitive Receptors; and
 - (E) The initial number, type, and approximate location of Metal TAC monitors and wind monitors required to conduct Monitoring and Sampling.
- (10) An owner or operator of a facility that is designated as a Metal TAC Monitoring Facility pursuant to paragraph (d)(8) shall:
 - (A) No later than 30 days after receiving a notice from the Executive Officer, submit a draft Basic Monitoring and Sampling Plan pursuant to subdivision (e); and

- (B) No later than the date specified in the approval letter for the Basic Monitoring and Sampling Plan, implement the approved Basic Monitoring and Sampling Plan and comply with the Monitoring and Sampling requirements pursuant to subdivision (f).
- (e) Monitoring and Sampling Plans
- (1) An owner or operator of a Metal TAC Monitoring Facility that is required to prepare a draft Basic Monitoring and Sampling Plan pursuant to paragraph (d)(10) or subparagraph (g)(2)(B), or a draft Reduced Monitoring and Sampling Plan pursuant to subparagraphs (h)(1)(A) or (h)(4)(A) shall submit:
 - (A) A list of all equipment and processes that use or emit Metals of Concern with operating schedules and operating conditions;
 - (B) Any source test or emissions screening test reports of equipment and processes listed in subparagraph (e)(1)(A);
 - (C) A map of the facility that identifies the location of:
 - (i) All equipment and processes listed in subparagraph (e)(1)(A);
 - (ii) Air pollution control devices and stacks;
 - (iii) Buildings;
 - (iv) Building 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) Any other process or emission information the Executive Officer requests in writing; and
 - (E) Number and locations of the sampling sites that meet the requirements in paragraph (f)(2).
 - (F) A list of all equipment to be used for Monitoring and Sampling and collecting wind data to meet the requirements of subdivision (f);
 - (G) Sampling and data collection information to meet the requirements of subdivision (f):
 - (i) Operating procedures and maintenance schedule of the Monitoring and Sampling equipment to meet the requirements in paragraph (f)(4);

- (ii) Sampling schedule that meets the requirements in paragraph (f)(3); sample collection, sample retrieval, and sample analysis that meet the requirements in paragraph (f)(5); sample storage that meets the requirements in paragraph (f)(6); and, for discrete samples, a chain of custody document;
 - (iii) Quality assurance plan for Monitoring and Sampling activities;
 - (iv) Wind speed and direction data collection that meets the requirements in paragraph (f)(8);
 - (v) Make-up missing sample procedures; and
 - (vi) Metals of Concern and/or surrogate of Metals of Concern to be sampled.
- (H) The company name(s), location, and contact information that will be conducting:
 - (i) Sample collection and sample retrieval;
 - (ii) Sample analysis;
 - (iii) Sample storage;
 - (iv) Maintenance of Monitoring and Sampling equipment; and
 - (v) Set-up of Monitoring and Sampling equipment.
- (2) An owner or operator of a Metal TAC Monitoring Facility that is required to prepare a draft Alternative Monitoring and Sampling Plan pursuant to paragraph (g)(1) shall submit information in subparagraphs (e)(1)(A) through (e)(1)(D).
- (3) The Executive Officer will notify an owner or operator of a Metal TAC Monitoring Facility in writing whether the draft Basic or Alternative Monitoring and Sampling Plan is approved. Approval of a draft Basic Monitoring and Sampling Plan will be based on information submitted pursuant to paragraph (e)(1) that meets the requirements of subdivision (f) and approval of a draft Alternative Monitoring and Sampling Plan will be based on information submitted pursuant to paragraph (e)(2).
- (4) Within 30 days of receiving a letter from the Executive Officer that states the draft Basic or Alternative Monitoring and Sampling Plan is not approved and that specifies all deficiencies, the owner or operator of a Metal TAC Monitoring Facility shall submit a revised draft Basic or Alternative Monitoring and Sampling Plan.
 - (A) The Executive Officer will notify an owner or operator of a Metal TAC Monitoring Facility in writing whether the revised draft Basic or

Alternative Monitoring and Sampling Plan is approved. Approval of the revised draft Basic or Alternative Monitoring and Sampling Plan submitted pursuant to paragraph (e)(4) will be based on whether the deficiencies in meeting the requirements of subdivision (f) have been addressed.

- (B) If an owner or operator of a Metal TAC Monitoring Facility receives a denial letter from the Executive Officer that the revised draft Basic Monitoring and Sampling Plan is not approved, the owner or operator shall within seven days after the date of the denial letter:
 - (i) Permanently cease operating equipment and processes that may be contributing to Metals of Concern specified in subparagraph (d)(9)(D), request to inactivate or cancel the associated permit(s) and/or application(s), and notify the Executive Officer in writing; or
 - (ii) Meet the requirements of subdivision (g) for Alternative Monitoring and Sampling and notify the Executive Officer in writing. The revised draft Basic Monitoring and Sampling Plan will be modified by the Executive Officer and be approved as an Alternative Monitoring and Sampling Plan.
 - (C) If an owner or operator of a Metal TAC Monitoring Facility receives a denial letter from the Executive Officer that the revised draft Alternative Monitoring and Sampling Plan is not approved, the revised draft will be modified by the Executive Officer and be approved as an Alternative Monitoring and Sampling Plan.
- (5) The Executive Officer will notify an owner or operator of a Metal TAC Monitoring Facility in writing whether the draft Reduced Monitoring and Sampling Plan is approved. Approval will be based on information submitted pursuant to paragraph (e)(1) that meets the requirements of subdivision (f), and the following criteria:
- (A) The estimated health risk associated with the facility's Metal TAC emissions are below the Reduced Risk Level for any Sensitive Receptor;
 - (B) The measures identified in an approved Early Action Reduction Plan pursuant to Rule 1402 – Control of Toxic Air Contaminants from Existing Sources or Enforceable Measures have been implemented; and

- (C) The owner or operator of a Metal TAC Facility did not previously have an approved Reduced Monitoring and Sampling Plan.
- (6) Within 30 days of receiving a letter from the Executive Officer that states the draft Reduced Monitoring and Sampling Plan is not approved and that specifies all deficiencies, an owner or operator of a Metal TAC Monitoring Facility shall either notify the Executive Officer that a revised draft Reduced Monitoring and Sampling Plan will not be submitted or submit a revised draft Reduced Monitoring and Sampling Plan.
 - (A) The Executive Officer will notify an owner or operator of a Metal TAC Monitoring Facility in writing whether the revised draft Reduced Monitoring and Sampling Plan submitted pursuant to paragraph (e)(6) is approved. Approval of the revised draft Reduced Monitoring and Sampling Plan will be based on whether the deficiencies in the letter have been addressed.
 - (B) If an owner or operator of a Metal TAC Monitoring Facility receives a denial letter from the Executive Officer that the revised draft Reduced Monitoring and Sampling Plan is not approved, the owner or operator shall implement the most recently approved Basic Monitoring and Sampling Plan pursuant to subparagraph (d)(10)(B) or approved Alternative Monitoring and Sampling Plan pursuant to subparagraph (g)(1)(C).
- (7) Prior to implementing any changes that would result in a modification to the information submitted in the most recently approved Basic, Alternative, or Reduced Monitoring and Sampling Plan pursuant to paragraph (e)(1) or (e)(2), an owner or operator of a Metal TAC Monitoring Facility shall notify the Executive Officer in writing of the proposed changes.
- (8) No later than 30 days after receiving written notification from the Executive Officer that modification(s) to an approved Basic, Alternative, or Reduced Monitoring and Sampling Plan are needed to meet the requirements of subdivision (f), the owner or operator of a Metal TAC Monitoring Facility shall modify and submit a draft Basic, Alternative, or Reduced Monitoring and Sampling Plan that incorporates the required modifications in the written notice.
 - (A) The Executive Officer will notify the owner or operator of a Metal TAC Monitoring Facility of approval pursuant to paragraphs (e)(3) and (e)(5).

- (B) If the draft Basic or Alternative Monitoring and Sampling Plan is not approved by the Executive Officer, the owner or operator shall follow the provisions pursuant to paragraph (e)(4).
- (C) Within 30 days of receiving a letter from the Executive Officer that states the draft Reduced Monitoring and Sampling Plan is not approved and that specifies all deficiencies, the owner or operator of a Metal Monitoring Facility shall submit a revised draft Reduced Monitoring and Sampling Plan.
 - (i) Approval of the revised draft Reduced Monitoring and Sampling Plan will be pursuant to subparagraph (e)(6)(A).
 - (ii) Denial of the revised draft Reduced Monitoring and Sampling Plan will be pursuant to subparagraph (e)(6)(B).
- (9) The evaluation of a Basic, Alternative, or Reduced Monitoring and Sampling Plan shall be subject to plan fees specified in Rule 306 – Plan Fees.
- (10) The preparation of an Alternative Monitoring and Sampling Plan shall be subject to the fees:
 - (A) Pursuant to Rule 301 – Permitting and Associated Fees; or
 - (B) Pursuant to Appendix I of this rule, if Rule 301 does not list the fees for Monitoring and Sampling.
- (f) **Monitoring and Sampling Requirements**
 - (1) An owner or operator of a Metal TAC Monitoring Facility shall have an approved Basic, Alternative, or Reduced Monitoring and Sampling Plan that includes all equipment and processes that emit Metal TAC(s) and represent current operating conditions at the facility.
 - (2) An owner or operator of a Metal TAC Monitoring Facility shall install Metal TAC monitors and conduct Monitoring and Sampling at a minimum of two sites, or as specified in a Reduced Monitoring and Sampling Plan, where:
 - (A) Location of at least one sampling site shall be based on the Maximum Expected Ground Level Concentration of the Metals of Concern; and
 - (B) Location of at least one sampling site represents upwind or background concentrations.
 - (3) An owner or operator of a Metal TAC Monitoring Facility shall collect one Valid Sample from midnight-to-midnight, or on the timeframe specified in the most recently approved Basic, Alternative, or Reduced Monitoring and

Sampling Plan, at each site provided the total sampling time is no less than 23 hours and no greater than 25 hours:

- (A) At least once every three days on a schedule approved by the Executive Officer for Metals of Concern;
 - (B) At least once every six days on a schedule approved by the Executive Officer for Metals of Concern for a facility on a reduced monitoring and sampling frequency pursuant to subdivision (h); or
 - (C) On a date specified in a written notice from the Executive Officer in lieu of a normally scheduled date that is an atypical sampling day.
- (4) An owner or operator of a Metal TAC Monitoring Facility shall operate and maintain sampling equipment in accordance with U.S. EPA methods or other appropriate methods approved by the Executive Officer in the Basic, Alternative, or Reduced Monitoring and Sampling Plan.
 - (5) An owner or operator of a Metal TAC Monitoring Facility shall collect and analyze each Valid Sample in accordance with U.S. EPA methods or other appropriate methods approved by the Executive Officer in the Basic, Alternative, or Reduced Monitoring and Sampling Plan. A record of the chain of custody shall be maintained for discrete Valid Samples. The Valid Samples shall be analyzed in a laboratory that follows the methodology for ambient air monitoring analysis for discrete Valid Samples approved by the Executive Officer in the Basic, Alternative, or Reduced Monitoring and Sampling Plan.
 - (6) An owner or operator of a Metal TAC Monitoring Facility shall:
 - (A) Retain and properly store Valid Samples collected for one year from the sample date or other time period approved by the Executive Officer in the approved Monitoring and Sampling Plan, unless the entire filter media is digested and consumed;
 - (B) Retain and properly store the solution rendered from the acid extraction of a filter sample used for metals sample analysis, for one year from the sample date or other time period approved by the Executive Officer in the approved Monitoring and Sampling Plan, unless the solution was consumed during analysis; and
 - (C) Retain the chain of custody records for three years from the sample date for discrete Valid Samples.
 - (7) Within five business days from the request by Executive Officer, the owner or operator of a Metal TAC Monitoring Facility shall provide:

- (A) Valid Samples, unless the entire filter media is digested and consumed;
or
 - (B) Solution rendered from the acid extraction of a filter sample used for metals sample analysis, unless the solution was consumed during prior analysis.
- (8) An owner or operator of a Metal TAC Monitoring Facility shall continuously record wind speed and direction.
 - (9) An owner or operator of a Metal TAC Monitoring Facility shall not miss collecting a Valid Sample, unless the Valid Sample was not collected due to a mechanical failure as determined by the Executive Officer, for more than one day over any 30 consecutive calendar days from each monitor approved by the Executive Officer.
 - (10) An owner or operator of a Metal TAC Monitoring Facility shall not conduct any activities that have the potential to damage or bias the samples.
- (g) Alternative Monitoring and Sampling
- (1) An owner or operator of a Metal TAC Monitoring Facility that elects to have the Executive Officer conduct Monitoring and Sampling in lieu of meeting the requirements of subparagraph (d)(10)(B) or pursuant to clause (e)(4)(B)(ii) shall:
 - (A) No later than 30 days after receiving a notice from the Executive Officer, submit a draft Alternative Monitoring and Sampling Plan pursuant to paragraph (e)(2) unless a Basic Monitoring and Sampling Plan was submitted pursuant to subparagraph (d)(10)(A); and
 - (B) Provide access to the facility for the Executive Officer or its third-party contractor to conduct Monitoring and Sampling.
 - (C) No later than the date specified in the approved Alternative Monitoring and Sampling Plan, the owner or operator of a Metal TAC Monitoring Facility that elects to have the Executive Officer conduct Monitoring and Sampling pursuant to paragraph (g)(1) shall pay the operating and maintenance fees to the South Coast AQMD for the Executive Officer to conduct Monitoring and Sampling pursuant to the approved Alternative Monitoring and Sampling Plan:
 - (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 Monitoring and Sampling.

- (2) An owner or operator of a Metal TAC Monitoring Facility that has an approved Alternative Monitoring and Sampling Plan that elects to begin conducting Monitoring and Sampling in lieu of the Executive Officer conducting Monitoring and Sampling shall:
 - (A) Notify the Executive Officer that the owner or operator has elected to conduct Monitoring and Sampling pursuant to subparagraph (d)(10)(B);
 - (B) Submit a draft Basic Monitoring and Sampling Plan for approval pursuant to subdivision (e); and
 - (C) Meet the requirements of subparagraph (d)(10)(B).
 - (3) An owner or operator of a Metal TAC Monitoring Facility that is conducting Monitoring and Sampling pursuant to subparagraph (d)(10)(B) and elects to have the Executive Officer conduct Monitoring and Sampling shall:
 - (A) Notify the Executive Officer that the owner or operator has elected to have the Executive Officer conduct Monitoring and Sampling in lieu of meeting the requirements of paragraph (d)(10)(B);
 - (B) Submit a draft Alternative Monitoring and Sampling Plan for approval pursuant to subdivision (e); and
 - (C) Meet the requirements of subparagraphs (g)(1)(B) and (g)(1)(C).
 - (4) An owner or operator of a Metal TAC Monitoring Facility that elects to conduct Monitoring and Sampling pursuant to paragraph (g)(2) or (g)(3), shall implement the most recently approved Monitoring and Sampling Plan.
- (h) **Reduced Monitoring and Sampling Frequency and/or Monitors**
- (1) An owner or operator of a Metal TAC Monitoring Facility implementing an approved Basic Monitoring and Sampling Plan that meets the criteria in subparagraphs (e)(5)(A) through (e)(5)(C) and elects to reduce the Monitoring and Sampling frequency, from once every three days to once every six days and/or to reduce the number of monitors, shall:
 - (A) Submit a draft Reduced Monitoring and Sampling Plan for approval pursuant to subdivision (e); and
 - (B) No sooner than the date specified in the approval letter for the Reduced Monitoring and Sampling Plan, implement the approved Reduced Monitoring and Sampling Plan and comply with the Monitoring and Sampling requirements pursuant to subdivision (f).

- (2) If the concentration of any Metals of Concern exceeds the Benchmark Concentration specified in the approval letter of the most recently approved Reduced Monitoring and Sampling Plan by 10 times for three consecutive Valid Samples, the owner or operator of a Metal TAC Monitoring Facility shall notify the Executive Officer by calling 1-800-CUT-SMOG within 24-hours of receiving the third Valid Sample result and provide:
 - (A) Facility name;
 - (B) Identification of the monitor with corresponding Valid Sample;
 - (C) Date of each exceedance;
 - (D) Valid Sample concentrations; and
 - (E) Explanation of the cause(s) of the exceedances, to the extent known.
- (3) If an owner or operator of a Metal TAC Monitoring facility receives notification from the Executive Officer that the concentration of any Metals of Concern exceeded the Benchmark Concentration by 10 times for three consecutive Valid Samples, and, that after taking into consideration the information provided in paragraph (h)(2), the Executive Officer determines that the exceedances were attributed to the Metal TAC Monitoring Facility, the owner or operator shall:
 - (A) Resume collecting one Valid Sample, at each site, at least once every three days no later than the next scheduled sampling day; and
 - (B) Implement the Executive Officer-provided Basic Monitoring and Sampling Plan that is based on the information in the most recently approved Reduced Monitoring and Sampling Plan and comply with the Monitoring and Sampling requirements pursuant to subdivision (f).
- (4) An owner or operator of a Metal TAC Monitoring Facility with an approved Alternative Monitoring and Sampling Plan that meets the criteria in subparagraph (e)(5)(A) through (e)(5)(C) and elects to reduce the sampling frequency from once every three days to once every six days and/or to reduce the number of monitors shall:
 - (A) Submit a draft Reduced Monitoring and Sampling Plan for approval pursuant to subdivision (e); and
 - (B) No later than the date specified in the approval letter for the Reduced Monitoring and Sampling Plan, pay fees for the reduced sampling frequency and/or reduced number of monitors as specified in the approved Reduced Monitoring and Sampling Plan.

- (5) The Executive Officer will notify the owner or operator of a Metal TAC Monitoring Facility, subject to subparagraph (h)(4)(B), if the concentration of any Metals of Concern exceeds the Benchmark Concentration specified in the approval letter of the most recently approved Reduced Monitoring and Sampling Plan by 10 times for three consecutive Valid Samples. The owner or operator of a Metal TAC Monitoring Facility electing to provide the Executive Officer information to substantiate that the exceedances are not attributed to the facility, shall call 1-800-CUT-SMOG within 24-hours of receiving the notification and provide an explanation of the cause(s) of the exceedances, to the extent known.
- (6) If an owner or operator of a Metal TAC Monitoring Facility, subject to subparagraph (h)(4)(B), receives notification from the Executive Officer that the concentration of any Metals of Concern has exceeded the Benchmark Concentration by 10 times for three consecutive Valid Samples, and that after taking into consideration the information provided in paragraph (h)(5), the Executive Officer determined that the exceedances were attributed to the Metal TAC Monitoring Facility, the owner or operator shall:
 - (A) Pay fees for collecting one Valid Sample, at each site, at least once every three days no later than the next scheduled sampling day; and
 - (B) Allow the Executive Officer to conduct Monitoring and Sampling pursuant to the Executive Officer-provided Alternative Monitoring and Sampling Plan that is based on the information in the most recently approved Reduced Monitoring and Sampling Plan.
- (i) **Monitoring, Recordkeeping, and Reporting Requirements**
 - (1) Effective upon start of Monitoring and Sampling pursuant to subdivision (f), an owner or operator of a Metal TAC Monitoring Facility shall electronically submit a report to the Executive Officer, using a format approved by 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; and
 - (D) Consecutive 30 calendar day rolling average concentrations.

- (2) An owner or operator of a Metal TAC Monitoring 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 paragraph (i)(1), and calculations used to calculate Metal TAC concentrations;
 - (H) Most recently approved Basic, Alternative, or Reduced Monitoring and Sampling Plan with the accompanying approval letter; and
 - (I) Chain of custody records.
- (3) If three consecutive Valid Samples individually exceed the concentration specified in the most recent approval letter of a Monitoring and Sampling Plan, or if no concentration is specified, ten times the concentration that corresponds to the Significant Risk Level, the owner or operator of a Metal TAC Monitoring Facility shall notify the Executive Officer by calling 1-800-CUT-SMOG within 24 hours of receiving the third Valid Sample result and provide the information specified in subparagraphs (h)(2)(A) through (h)(2)(E).
- (4) An owner or operator of a Metal TAC Monitoring 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 failure of an approved monitor.
- (5) Within seven days following notification to the Executive Officer pursuant to paragraph (i)(4), an owner or operator of a Metal TAC Monitoring Facility shall electronically submit to the Executive Officer, using a format approved

by the Executive Officer, copies of documentation of any required repairs or replacement due to mechanical failure of an approved monitor. The Executive Officer may extend this deadline as needed based upon the repair date.

- (j) Request to Discontinue Monitoring and Sampling
 - (1) An owner or operator of a Metal TAC Monitoring Facility that has been conducting Monitoring and Sampling for more than 180 consecutive calendar days and elects to discontinue Monitoring and Sampling shall submit a Monitoring and Sampling Relief Plan to the Executive Officer that includes the following information:
 - (A) Throughput records for equipment or processes that emit Metals of Concern for the 365 days preceding the date of the request;
 - (B) A description of the Enforceable Measures implemented;
 - (C) A list of housekeeping measures to minimize fugitive emissions that will continue to be implemented; and
 - (D) Status of implementing a Risk Reduction Plan under Rule 1402 or if a Risk Reduction Plan is not required, the approval status of a Health Risk Assessment under Rule 1402.
 - (2) Approval of the Monitoring and Sampling Relief Plan shall be based on information submitted that meets the following requirements:
 - (A) 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;
 - (B) Verification that housekeeping measures were incorporated in the approved Risk Reduction Plan under Rule 1402, or if no Risk Reduction Plan was required that housekeeping measures were incorporated in the Monitoring and Sampling Relief Plan; and
 - (C) Verification that the required Risk Reduction Plan under Rule 1402 has been fully implemented or if a Risk Reduction Plan is not required, that the Health Risk Assessment under Rule 1402 has been approved.
 - (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 Metal TAC Monitoring Facility in writing of the status of the Monitoring and Sampling Relief Plan review.

- (4) On the date the Executive Officer approves the facility's Monitoring and Sampling Relief Plan, the facility shall no longer be designated as a Metal TAC Monitoring Facility and no longer subject to paragraph (d)(10).
 - (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) Hexavalent chromium emissions subject to ambient air monitoring as required by Rule 1156 – Further Reductions of Particulate Emissions, shall not be subject to this rule.

Appendix 1: South Coast AQMD Quarterly Monitoring Fee

1. Principle

This fee is applicable to all facilities that elect to have the South Coast AQMD conduct Monitoring and Sampling. The fees include monitoring equipment, material, labor, sample retrieval, sample analysis, construction and other associated fees. An owner or operator shall be responsible for the fees for Monitoring and Sampling from the date specified in the Alternative Monitoring and Sampling Plan.

2. Preparation of a Monitoring and Sampling Plan

An owner or operator shall be responsible for \$6,000, which are the fees associated with the preparation of an Alternative Monitoring and Sampling Plan.

3. Monitoring and Sampling Fee

A. The quarterly fees listed in Table 1 – Quarterly Monitoring Fees are for the base cost for a specific monitor and each additional monitor required by the Executive Officer to conduct Monitoring and Sampling.

Table 1 – Quarterly Monitoring Fees

	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

B. If the Executive Officer contracts Monitoring and Sampling 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)(9)(E) and stated in the Alternative Monitoring and Sampling Plan.

- D. Pursuant to paragraph (e)(8), the Executive Officer may require the owner or operator to submit a draft Alternative Monitoring and Sampling Plan to modify the number, type, and/or location of the monitors needed to conduct Monitoring and Sampling based on new information from the date the facility was designated a Metal TAC Monitoring Facility.

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 Monitoring and Sampling 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%) surcharge shall be imposed every sixty (60) calendar days from the due date.

5. Pro-rated Payments

- A. If Monitoring and Sampling 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.