



OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY

GENERAL

AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Air Quality Division
Air Operations Section
700 NE Multnomah Street, Suite 600
Portland, OR 97232
Telephone: (503) 229-5696

This permit is being issued in accordance with the provisions of ORS 468A.040 and OAR 340-216-0060.

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Signed copy on file with DEQ	2/17/2022
Ali Mirzakhali, Air Quality Division Administrator	Dated

Chromium electroplaters using **hard chromium electroplating tanks** subject to Title 40, Part 63, subpart ‘N’ of the Code of Federal Regulations as adopted under OAR 340-244-0220. SIC 3471, NAICS 332813.

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1.0 PERMIT ASSIGNMENT

1.1. Qualifications

The permittee must meet all of the following conditions in order to qualify for assignment to this General Air Contaminant Discharge Permit (ACDP):

- a. The permittee is performing hard chromium electroplating as listed on the cover page of this permit, including supporting activities.
- b. A Simple or Standard ACDP is not required for the source.
- c. The source is not having ongoing, recurring or serious compliance problems.

1.2. Assignment

DEQ will assign qualifying permittees to this permit that have and maintain a good record of compliance with DEQ's Air Quality regulations and that DEQ determines would be appropriately regulated by a General ACDP. DEQ may rescind assignment if the permittee no longer meets the qualifications in Condition 1.1 above, conditions of OAR 340-216-0060, or the conditions of this permit.

1.3. Permitted Activities

Until this permit expires, is modified, or is revoked, the permittee is allowed to discharge air contaminants from processes and activities directly related to or associated with the air contaminant source(s) listed on the first page of this permit in addition to any categorically insignificant activities, as defined in OAR 340-200-0020, at the source. Discharge of air contaminants from any other equipment or activity not identified herein is not authorized by this permit.

1.4. Relation to Local Land Use Laws

This permit is not valid in Lane County, or at any location where the operation of the permittee's processes, activities, and insignificant activities would be in violation of any local land use or zoning laws. For operation in Lane County, contact Lane Regional Air Protection Agency for any necessary permits at (541) 736-1056. It is the permittee's responsibility to obtain local land use approvals as, or where, applicable before operating this facility at any location.

2.0 GENERAL EMISSION STANDARDS AND LIMITS

2.1. Visible Emissions

The permittee must comply with the following visible emission limits:

- a. Visible emissions must not equal or exceed 20% opacity;
- b. The visible emissions limitation in this condition is based upon a six-minute block average of 24 consecutive observations recorded at 15-second intervals as specified in OAR 340-208-0110(2); and
- c. The visible emission standard in this condition does not apply to fugitive emissions from the source.

2.2. Fugitive Emissions

The permittee must comply with the following: [OAR 340-208-0120]

- a. The permittee must take reasonable precautions to prevent particulate matter from becoming airborne from all site operations from which it may be generated. Such reasonable precautions include, but are not limited to:

- i. Controlling vehicle speeds on unpaved roads;
 - ii. Application of water or other suitable chemicals on unpaved roads, material stockpiles, and other surfaces which can create airborne particulate;
 - iii. Full or partial enclosure of material stockpiles in cases where application of water or other suitable chemicals are not sufficient to prevent particulate matter from becoming airborne;
 - iv. Covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne;
 - v. The prompt removal from paved street of earth or other material that may become airborne;
 - vi. Alternative precautions approved by DEQ.
- b. The permittee must not allow visible fugitive particulate emissions to leave the permittee's property for a period or periods totaling more than 18 seconds in a six-minute period.
 - c. Compliance with the fugitive emissions standard in Condition 2.2b is determined by EPA Method 22 at the downwind property boundary.
 - d. If requested by DEQ, the permittee must develop and implement a fugitive emission control plan to prevent any visible emissions from leaving the property of a source for more than 18 seconds in a six-minute period as determined by EPA Method 22.

2.3. Particulate Matter Fallout

The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person.

2.4. Nuisance and Odors

The permittee must comply with the following nuisance and nuisance odor requirements, as applicable:

- a. The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by DEQ personnel.
- b. When operating in Clackamas, Columbia, Multnomah, and Washington Counties, control apparatus and equipment, using the highest and best practicable treatment currently available, must be installed and operated to reduce to a minimum odor-bearing gases or odor-bearing particulate matter emitted into the atmosphere.

3.0 SPECIFIC EMISSION STANDARDS AND LIMITS

3.1. Applicability of Chromium Emission Limitations

The following emission limits apply during tank operation, start-up, and shutdown. In response to an action to enforce the standards set forth in this permit, the permittee may assert a defense to a claim for civil penalties for violations of standards that are caused by a malfunction, as defined in [40 CFR 63.2](#). Appropriate penalties may be assessed, however, if the owner or operator fails to meet the burden of proving all the requirements in the affirmative defense. The affirmative defense shall not be available for claims for injunctive relief. Affirmative defenses must comply with all applicable provisions of 40 C.F.R. part 63 subpart A and §63.342(b)(1).

The work practice standards that address operation and maintenance (Condition 4.1) must be followed at all times.

3.2. Chromium Emission Limitations

For each hard chromium electroplating tank, the permittee must control chromium emissions discharged to the atmosphere by either:

- a. Not allowing the concentration of total chromium in the exhaust gas stream discharged to atmosphere to exceed the following emission limits. Special compliance provisions apply for multiple sources controlled by a common add-on air pollution control device.

Affected Tanks	Emission Limit
Small, existing tanks ^a	0.015 mg of total chromium/dscm
Large, existing tanks	0.011 mg of total chromium/dscm
New tanks ^b	0.006 mg of total chromium/dscm
^a <i>Small</i> means a facility that performs hard chromium electroplating and has a maximum or actual cumulative rectifier capacity less than 60 million amp-hour/year. Initial demonstration that a facility was <i>small</i> had to be completed by January 25, 1997. (See Condition 6.7 for information on record keeping for this requirement.)	
^b <i>New</i> means a tank, the construction or reconstruction of which commenced after February 8, 2012.	

- b. If a chemical fume suppressant containing a wetting agent is used, not allowing the surface tension of the electroplating or anodizing bath contained within the affected tank to exceed 40 dynes per centimeter (cm) as measured by a stalagmometer or 33 dynes/cm as measured by a tensiometer, at any time during tank operation.
- c. In lieu of complying with either Condition 3.2.a or 3.2.b, for enclosed tanks that are not small, existing tanks, not allowing the mass rate of total chromium in the exhaust gas stream discharged to the atmosphere to exceed the maximum allowable mass emission rate determined by using the calculation procedure in Condition 3.3.a.
- d. In lieu of complying with either Condition 3.2.a or 3.2.b, for enclosed tanks that are small, existing tanks, not allowing the mass rate of total chromium in the exhaust gas stream discharged to the atmosphere to exceed the maximum allowable mass emission rate determined by using the calculation procedure in Condition 3.3.b.
- e. In lieu of complying with either Condition 3.2.a or 3.2.b, for enclosed tanks that are new, not allowing the mass rate of total chromium in the exhaust gas stream discharged to the atmosphere to exceed the maximum allowable mass emission rate determined by using the calculation procedure in Condition 3.3.c.
- f. After September 21, 2015, the permittee must not add PFOS-based fume suppressants to any affected open surface hard chromium electroplating tank.
- g. If multiple hard chromium electroplating tanks are controlled by a common add-on air pollution control device, the emission limit must be met at the outlet of the add-on air pollution control device. If the add-on air pollution control device also controls emissions from non-hard chromium electroplating tanks, the emission limit must be calculated according to 40 C.F.R. Part 63.344(e)(3).

3.3. Maximum Allowable Mass Emission Rate

The following procedures must be used to calculate the maximum allowable emission rate if the permittee chooses to meet the mass emission rate standard in Condition 3.2.c or 3.2.d.

Compliance with the alternative mass emission limit is demonstrated if the three-run average mass emission rate determined from EPA Method 306 or 306A testing is less than or equal to the maximum allowable mass emission rate calculated as follows:

- a. For an enclosed tank that is a large, existing tank, and if choosing to comply with Condition 3.2.c, the permittee must determine compliance by not allowing the mass rate of total chromium in the exhaust gas stream discharged to the atmosphere to exceed the maximum allowable mass emission rate calculated using the following equation:

$$\text{MAMER} = \text{ETSA} \times K \times 0.011 \text{ mg/dscm}$$

Where:

MAMER = the alternative emission rate in mg/hr.

ETSA = the surface area of the tank in square feet (ft²).

K = a conversion factor, 425 dscm/ (ft² x hr).

- b. For an enclosed tank that is a small, existing tank, and if choosing to comply with Condition 3.2.d, the permittee must determine compliance by not allowing the mass rate of total chromium in the exhaust gas stream discharged to the atmosphere to exceed the maximum allowable mass emission rate calculated using the following equation:

$$\text{MAMER} = \text{ETSA} \times K \times 0.015 \text{ mg/dscm}$$

Where:

MAMER = the alternative emission rate in mg/hr.

ETSA = the surface area of the tank in square feet (ft²).

K = a conversion factor, 425 dscm/ (ft² x hr).

- c. For an enclosed tank that is a new tank, and if choosing to comply with Condition 3.2.e, the permittee must determine compliance by not allowing the mass rate of total chromium in the exhaust gas stream discharged to the atmosphere to exceed the maximum allowable mass emission rate calculated using the following equation:

$$\text{MAMER} = \text{ETSA} \times K \times 0.006 \text{ mg/dscm}$$

Where:

MAMER = the alternative emission rate in mg/hr.

ETSA = the surface area of the tank in square feet (ft²).

K = a conversion factor, 425 dscm/ (ft² x hr).

4.0 OPERATION AND MAINTENANCE REQUIREMENTS

4.1. Work practices

At all times, including periods of startup, shutdown, and malfunction, the permittee must operate and maintain any affected source, including associated air pollution control devices and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions and consistent with the operation and maintenance plan required in Condition 4.2. Malfunctions must be corrected as soon as practicable after their occurrence in accordance with the operation and maintenance plan.

4.2. O&M Plan Requirement

The facility must have an operation and maintenance plan.

- a. The permittee must keep the written operation and maintenance plan onsite to be made available for inspection, for the life of the affected source or until the source is no longer subject to this permit. In addition, if the operation and maintenance plan is revised, the permittee must keep previous versions of the operation and maintenance plan on onsite for a period of 5 years after each revision to the plan.
- b. To satisfy the requirement to have an operation and maintenance plan, the permittee may use any applicable standard operating procedure (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans, provided they meet the requirements below.

4.3. O&M Plan Content

The O&M plan must include:

- a. The operation and maintenance criteria for the affected source(s), the add-on air pollution control device, and the process and control system monitoring equipment.
- b. A standardized checklist to document the operation and maintenance of the affected source(s), the add-on pollution control devices, and the process and control system monitoring equipment.
- c. If using an add-on air pollution control device or monitoring equipment, work practice standards for that device or monitoring equipment. Add-on pollution control devices and their work practices are identified in Condition 4.7, Table 1. Other alternatives may be used after being approved by EPA. See 40 C.F.R. 63.343(c)(8).
- d. If not using the specific equipment listed in Table 1 of Condition 4.7, proposed work practice standards to be submitted as required under 40 C.F.R. 63.343(d).
- e. Procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur.
- f. A systematic procedure to identify malfunctions of the affected source(s), add-on air pollution control devices, and process and control system monitoring equipment and to implement corrective actions to address such malfunctions.
- g. Housekeeping procedures, as specified in Condition 4.8, Table 2.

4.4. O&M Plan Revisions

If the plan fails to address or inadequately addresses a malfunction, the plan must be revised within 45 days after the malfunction occurs. The revised plan must include procedures for operating and maintaining the affected source(s), add-on air pollution control device, or monitoring equipment during similar malfunction events, and a program for corrective action for such events. Within 2 days after commencing corrective actions inconsistent with the plan, the permittee must record the actions taken and report such actions to DEQ by phone. The report must be followed by a letter within 7 working days of the event, unless the permittee makes alternative reporting arrangements with DEQ.

4.5. Fugitive Emission Control Plan

The permittee must submit fugitive emission control plan within 60 days of request by DEQ. The plan must be implemented whenever fugitive emissions leave the property for more than 18 seconds in a six-minute period. The plan must be kept on site and be made available upon request.

4.6. Inspection of Equipment

The permittee must inspect control devices, ductwork, and monitoring equipment according to Condition 4.7, Table 1. The results of the inspection must be logged, and the log kept on site for a period of at least 5 years.

4.7. Table 1 - Summary of Work Practice Standards

Control Techniques	Work Practice Standards	Frequency
Composite mesh-pad (CMP) system	Visually inspect device to ensure there is proper drainage, no chromic acid buildup on the pads, and no evidence of chemical attack on the structural integrity of the device.	Once per quarter
	Visually inspect back portion of the mesh pad closest to the fan to ensure there is no breakthrough of chromic acid mist.	
	Visually inspect ductwork from the tank to the control device to ensure there are no leaks.	
	Perform washdown of the composite mesh-pads in accordance with manufacturers' recommendations.	Per manufacturer
Packed-bed scrubber (PBS)	Visually inspect device to ensure there is proper drainage, no chromic acid buildup on the packed beds, and no evidence of chemical attack on the structural integrity of the device.	Once per quarter
	Visually inspect back portion of the chevron blade mist eliminator to ensure that it is dry and there is no breakthrough of chromic acid mist.	
	Visually inspect ductwork from the tank to the control device to ensure there are no leaks.	
	Add fresh water to top of the packed bed. ^{a,b}	As makeup is added.
PBS/CMP system	Same as Composite mesh-pad system	
Fiber-bed mist eliminator	Visually inspect fiber-bed unit and prefiltering device to ensure there is proper drainage, no chromic acid buildup in the units, and no evidence of chemical attack on the structural integrity of the devices.	Once per quarter
	Visually inspect ductwork from the tank to control device to ensure that there are no leaks.	
	Perform washdown of fiber elements in accordance with manufacturer's recommendations.	Per manufacturer
Air pollution control device (APCD) not listed in rule.	To be performed by the source for approval by DEQ.	Once per quarter
Monitoring Equipment:		
Pitot tube	Backflush with water, or remove from the duct and rinse with fresh water. Check pitot tube ends for damage. Replace pitot tube if cracked or fatigued. Replace in duct and rotate 180 degrees to ensure that the same zero reading is obtained.	
Stalagmometer/ Tensiometer	Follow manufacturers' recommendations.	

^a If greater than 50 percent of the scrubber water is drained (e.g., for maintenance purposes), makeup water may be added to the scrubber basin.

^b For horizontal-flow scrubbers, top is defined as the section of the unit directly above the packing media such that the makeup water would flow perpendicular to the air flow through the packing. For vertical-flow units, the top is defined as the area downstream of the packing material such that the makeup water would flow countercurrent to the air flow through the unit.

4.8. Table 2 – Housekeeping Practices

For	The permittee must	Min. Frequency
1. Any substance used in an affected chromium electroplating that contains hexavalent chromium	Store the substance in a closed container in an enclosed storage area or building; AND	At all times, except when transferring the substance to and from the container.
	Use a closed container when transporting the substance from the enclosed storage area.	Whenever transporting substance, except when transferring the substance to and from the container.
2. Each affected tank, to minimize spills of bath solution that result from dragout. Note: this measure does not require the return of contaminated bath solution to the tank. This requirement applies only as the parts are removed from the tank. Once away from the tank area, any spilled solution must be handled in accordance with Item 4 of these housekeeping measures.	Install drip trays that collect and return to the tank any bath solution that drips or drains from parts as the parts are removed from the tank; OR	Prior to operating the tank.
	Contain and return to the tank any bath solution that drains or drips from parts as the parts are removed from the tank; OR	Whenever removing parts from an affected tank.
	Collect and treat in an onsite wastewater treatment plant any bath solution that drains or drips from parts as the parts are removed from the tank.	Whenever removing parts from an affected tank.
3. Each spraying operation for removing excess chromic acid from parts removed from, and occurring over, an affected tank.	Install a splash guard to minimize overspray during spraying operations and to ensure that any hexavalent chromium laden liquid captured by the splash guard is returned to the affected chromium electroplating or anodizing tank.	Prior to any such spraying operation.
4. Each operation that involves the handling or use of any substance used in an affected chromium electroplating or chromium anodizing tank that contains hexavalent chromium.	Begin clean up, or otherwise contain, all spills of the substance. Note: substances that fall or flow into drip trays, pans, sumps, or other containment areas are not considered spills.	Within 1 hour of the spill.
5. Surfaces within the enclosed storage area, open floor area, walkways around affected tanks contaminated with hexavalent chromium from an affected chromium electroplating or chromium anodizing tank.	Clean the surfaces using one or more of the following methods: HEPA vacuuming; Hand-wiping with a damp cloth; Wet mopping; Hose down or rinse with potable water that is collected in a wastewater collection system; Other cleaning method approved by the permitting authority; OR	At least once every 7 days if one or more chromium electroplating or chromium anodizing tanks were used, or at least after every 40 hours of operating time of one or more affected chromium electroplating or chromium anodizing tank, whichever is later.
	Apply a non-toxic chemical dust suppressant to the surfaces.	According to manufacturer's recommendations.

For	The permittee must	Min. Frequency
6. All buffing, grinding, or polishing operations that are located in the same room as chromium electroplating or chromium anodizing operations.	Separate the operation from any affected electroplating or anodizing operation by installing a physical barrier; the barrier may take the form of plastic strip curtains.	Prior to beginning the buffing, grinding, or polishing operation.
7. All chromium or chromium-containing wastes generated from housekeeping activities.	Store, dispose, recover, or recycle the wastes using practices that do not lead to fugitive dust and in accordance with hazardous waste requirements.	At all times.

5.0 COMPLIANCE DEMONSTRATION

5.1. Initial Performance Test

To demonstrate compliance with the emission limitations for affected tanks not using wetting agents in Conditions 3.2a, 3.2c, 3.2d, or 3.2e, a performance test(s) is required and must be performed according to 40 C.F.R. 63.7 and 63.344(a) through (c).

- a. New sources are required to conduct the initial performance test within 180 days after initial startup.
- b. Existing sources that have yet to demonstrate compliance with the emission limits in Conditions 3.2a, 3.2c, 3.2d, or 3.2e are required to conduct the initial performance test as soon as possible but not later than 180 days after assignment to this permit.
- c. During the performance test, the permittee must establish site specific operating parameter(s) according to the procedures in 40 C.F.R. 63.343(c) and 63.344(d).
- d. All tests must be conducted in accordance with DEQ's Source Sampling Manual and with the pretest plan submitted at least 15 days in advance and approved by the Regional Source Test Coordinator.
- e. The permittee must operate the equipment at normal maximum capacity.
- f. Only regular operating staff may adjust production processes and emission control parameters during the source test and within 2 hours prior to the tests. Any operating adjustments made during the source test, which are a result of consultation during the tests with source testing personnel, equipment vendors or consultants, may render the source test invalid.
- g. The permittee must submit the test data and results for review to the DEQ Regional Source Test Coordinator within sixty (60) days of the test unless otherwise approved in the pretest plan. The results must be submitted in units of grains per dry standard cubic foot and in units of pounds per ampere hour.

5.2. Ongoing Source Test requirement

- a. Within 18 months of issuance of this permit, existing permittees that have completed the initial performance test required by Condition 5.1 prior to or on September 19, 2012, must demonstrate ongoing compliance with the emission limitations for affected tanks not using wetting agents in Conditions 3.2a, 3.2c, 3.2d, or 3.2e by conducting an additional performance test. The performance test(s) must be performed according to 40 C.F.R. 63.7 and 63.344(a) and (c), and Conditions 5.1b through f.
- b. New permittees that are or have been assigned to this permit (AQGP-001) after

September 19, 2012 must complete or have completed the initial performance test according to Condition 5.1 and an additional compliance test at least once during the permit term to demonstrate ongoing compliance with the emission limitations for affected tanks not using wetting agents in Conditions 3.2a, 3.2c, 3.2d, or 3.2e. The performance test(s) must be performed according to 40 C.F.R. 63.7 and 63.344(a) and (c), and Conditions 5.1b through f.

5.3. Monitoring Requirements

The permittee must monitor the operation and maintenance of the plant and associated air contaminant control devices as follows:

The permittee must operate and ensure proper functioning of all air pollution control devices and components at all times when the associated emission source is operating. [OAR 340-226-0120]

- a. On and after the date on which the initial performance test is required to be completed, the permittee must conduct monitoring according to the type of air pollution control technique that is used to comply with the emission limitation.
- b. To comply with the standards, the permittee must operate the control system within the parameters shown in the following table:

Emission Reduction Technique	Monitoring Parameter	Monitoring Frequency
Composite mesh-pad system (CMP) or Combination CMP/PBS system	The pressure drop across the unit (or CMS/PBS system) must be maintained within the range of compliant values established during multiple performance tests or within ± 2 inches of water column of the pressure drop value established during the performance test. This requirement does not apply during automatic wash down cycles.	Once per day
Packed bed scrubber (PBS)	The velocity pressure at the inlet to the unit must be maintained within the range of compliant values established during multiple performance tests or within ± 10 percent of the velocity pressure value established during the initial performance test, and the pressure drop across the unit must be maintained within the range of compliant values established during multiple performance tests or within ± 1 inch of water column of the pressure drop value established during the performance test.	Once per day
Fiber-bed mist eliminator	The pressure drop across the eliminator and the upstream control device must be maintained within the range of compliant values established during multiple performance tests or within ± 1 inch of water column of the pressure drop value established during the performance test.	Once per day

Emission Reduction Technique	Monitoring Parameter	Monitoring Frequency
Wetting agent or combination wetting agent and foam blanket	Bath surface tension must be below 40 dynes/cm as measured by a stalagmometer or 33 dynes/cm as measured by a tensiometer or the maximum value established during the performance test.	Every 4 hours of tank operation
Foam blanket	Foam blanket thickness must be at least 1 inch or the thickness established during the performance test.	Every 1 hour of tank operation

- c. When a combination of emission reduction techniques are used, the permittee must monitor each separately.
- d. The frequency of monitoring for wetting agents can be reduced according to the following table, in accordance with 40 C.F.R. 63.343(c)(6):

Operational Hours	Monitoring Frequency	If no exceedance in previous period	If exceedance(s) in previous period
Hour 1-40	Every 4 hours		
Hour 41-80		Every 8 hours	Every 4 hours
Hour 81-120		Every 40 hours	
Tank drained; new solution added	Every 4 hours		

6.0 RECORDKEEPING REQUIREMENTS

6.1. Inspection and Maintenance Records

The permittee must keep inspection and maintenance records for each tank(s), add-on pollution control device, and monitoring equipment, except routine housekeeping practices, to document that the inspection and maintenance requirements in Condition 4.1 and Condition 4.6 have taken place. The inspection records can take the form of a checklist and should identify the following:

- a. Device inspected;
- b. Date of inspection;
- c. A brief description of the working condition of the device during the inspection; and
- d. Any actions taken to correct deficiencies found during the inspection.

6.2. Malfunction Records

The permittee must keep records of the occurrence, duration, and cause (if known) of each malfunction of each affected source, associated pollution controls, and monitoring equipment. Records of actions taken during the malfunction to minimize emissions in accordance with Condition 3.1, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

6.3. Operation and Maintenance Plan

The permittee must keep records, which may take the form of checklists, necessary to demonstrate compliance with the provisions of the operation and maintenance plan required in Condition 4.2.

6.4. Test Reports and Measurements

The permittee must keep test reports documenting results of all performance tests and records of all measurements necessary to determine the conditions of performance tests, including measurements necessary to determine compliance with the special compliance procedures for single control of multiple sources in accordance with 40 CFR 63.344(e).

6.5. Monitoring Data

The permittee must keep records of monitoring data required in Condition 5.3 that are used to demonstrate compliance with the standard in Condition 3.2 including the date and time the data are collected.

6.6. Operating Time

The permittee must keep records of the total operating time of each affected source during the reporting period (hours).

6.7. Ampere Hours

If the actual cumulative rectifier capacity was used to demonstrate that the facility is a small hard chromium electroplater, according to 40 C.F.R. 63.342(c)(3), the permittee must keep records of the actual cumulative rectifier capacity of hard chromium electroplating tanks at the facility expended during each month of the reporting period, and the total capacity expended to date for the reporting period.

6.8. Fume Suppressant

If fume suppressants are used to comply with the standards in Condition 3.2, the permittee must keep records of the date and time that fume suppressants are added to the electroplating bath and records of the fume suppressant manufacturer and product name.

6.9. Excess Emissions

The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity as a six-minute block average. If there is an ongoing excess emission caused by an upset or breakdown, the permittee must cease operation of the equipment or facility no later than 48 hours after beginning of the excess emissions, unless continued operation is approved by DEQ in accordance with OAR 340-214-0330(4).

6.10. Complaint Log

The permittee must maintain a log of all complaints received that specifically refer to air pollution, odor, or nuisance concerns associated with the permitted facility. The permittee must investigate the condition within 24 hours, if possible.

The log must include at least the following for each complaint or concern received:

- a. The date the complaint was received;
- b. The date and time the complaint states the condition was present;

- c. A description of the complaint;
- d. The location of the complainant or receptor relative to the plant site;

- e. The status of plant operations and activities during the complaint's stated time of pollution or odor condition;
- f. A description of the permittee's actions to investigate the validity of the complaint; and
- g. A description of any actions taken in response to the complaint investigation.

6.11. Retention of Records

Unless otherwise specified, the permittee must retain all records for a period of at least five (5) years from the date of each report or record and make them available to DEQ upon request. Records must be retained onsite or otherwise readily available electronically for expeditious review during an on-site inspection.

7.0 REPORTING REQUIREMENTS

7.1. Reporting Forms

Reporting forms for all required notifications and reports are available from DEQ.

7.2. Initial Notification of Affected Facility

For each new source, notification must be submitted with the notification of construction required in Condition 7.3.

7.3. Notification of Construction

Prior to constructing a new affected source, reconstructing an affected source, or reconstructing a source such that it becomes an affected source, the permittee must:

- a. Submit a notification of construction/re-construction 60 days prior to the date construction begins.
- b. Submit a notification of the actual date of startup of the source within 30 days after such date.

7.4. Notification of Compliance Status

For each new source, the permittee must submit a notification of compliance status within 90 days after completion of the performance test, or within 30 days after initial startup if a performance test is not required. Included with this notification must be a report of the results of any performance test, if required.

7.5. Annual Ongoing Compliance Status Report

The permittee must submit to DEQ by **February 15** of each year this permit is in effect, two (2) copies of the following information for the preceding calendar year unless otherwise approved by DEQ:

- a. Company name and address of the affected source;
- b. Beginning and ending dates of the reporting period;
- c. Identification of the operating parameter that is monitored for compliance determination required by Condition 5.3 and the operating parameter value, or range of values, that correspond to compliance with the emission limitation in Condition 3.2;

- i. For surface tension - sampling device, sampling schedule and sampling results in dynes per centimeter;
 - ii. For control devices – summary of work practice standards in Condition 4.7 Table 1 and monitoring results in Condition 6.5;
- d. Total operating time of each affected source during the reporting period (hours).
- e. Actual cumulative rectifier capacity of hard chromium electroplating tanks expended during each month of the reporting period, and the total capacity expended to date for the reporting period if the actual cumulative rectifier capacity was used to demonstrate that the facility is a small hard chromium electroplater.
- f. Date and time that fume suppressants are added to the electroplating bath if fume suppressants are used to comply with the standard in Condition 3.2.
- g. Summary of complaints relating to air quality received by permittee during the year.
- h. List of permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.
- i. List of major maintenance performed on pollution control equipment.
- j. Current plant site contact. Provide name, title, phone number and email address.
- k. All reports and certifications submitted to DEQ under Divisions 200 to 264 must accurately reflect the monitoring, recordkeeping and other documentation held or performed by the owner or operator.

7.6. Exceedance Report

Excess emissions are emission levels that exceed the limits identified in Condition 3.2 as indicated by the monitoring data collected in accordance with Condition 5.3. If either of the following conditions is met, semiannual reports must be prepared and submitted to DEQ.

- a. The total duration of excess emissions (as indicated by the monitoring data collected by the permittee in accordance with Condition 5.2) is 1% or greater of the total operating time for the reporting period; and
- b. The total duration of malfunctions of the add-on air pollution control device and monitoring equipment is 5% or greater of the total operating time for the reporting period.

Once the permittee reports an exceedance as defined above, ongoing compliance status reports must be submitted semiannually until a request to reduce reporting frequency, as allowed by 40 C.F.R. 63.347(h)(3), is approved. DEQ may determine on a case-by-case basis that the exceedance report must be completed more frequently and submitted.

7.7. Notification of Performance Test

The permittee must notify DEQ at least 60 calendar days before a performance test is scheduled to begin. If the permittee is unable to conduct the performance test as scheduled, DEQ must be notified at least 5 days prior to the scheduled date. Notification must include the rescheduled date of the test.

7.8. Performance Test Report

Within 60 days after the date of completing each performance test, the permittee must submit the results of the performance tests, including any associated fuel analyses, to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is

accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx) in accordance with 40 C.F.R. 63.347(f)(3)(i).

7.9. Relocation Notice

The permittee must not install or operate the facility or any portion of the facility at any new site without first providing written notice to the Permit Coordinator in the appropriate regional office. The written notice must include the date of the proposed move, approximate dates of operation, a detailed map showing access to the new site, and a description of the air pollution controls and procedures to be installed, operated, and practiced at the new site. Additional permits may be required if the permittee operates individual components of the facility at more than one site.

7.10. Notification of Change of Ownership or Company Name

The permittee must notify DEQ in writing using a DEQ "Permit Application Form" within 60 days after any of the following:

- a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or
- b. Sale or exchange of the activity or facility.

7.11. Construction or Modification Notices

The permittee must notify DEQ in writing using a DEQ "Notice of Intent to Construct Form," or other permit application form and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:

- a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;
- b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or
- c. Constructing or modifying any air pollution control equipment.

7.12. Where to Send Reports and Notices

Reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 8.3, unless otherwise specified.

8.0 ADMINISTRATIVE REQUIREMENTS

8.1. Employee Commute Options Program

Sources located inside the Portland Air Quality Maintenance Area (AQMA) with more than 100 employees at a work site must comply with the Employee Commute Options Program requirements located in OAR 340-242-0020 through 340-242-0390.

For forms (Fact Sheet, Registration, or Survey Guidance documents) or questions regarding ECO, please contact the ECO program directly at 503-229-6154 or ECO@deq.state.or.us.

Additional information is available from DEQ's website for the ECO program located here: <https://www.oregon.gov/deq/air/programs/Pages/ECO.aspx>

8.2. Reassignment to the General ACDP

This General Permit will not be reissued after it expires. Permittees that continue activities and operations subject to 40 C.F.R. part 63 subpart N on or after 12/2/2022 will be required to obtain

a source specific permit by having submitted a full and complete application to DEQ on or before 12/1/2022. The permittee must continue to comply with the General ACDP until DEQ takes final action on the Simple or Standard ACDP application.

8.3. Permit Coordinator Addresses

All reports, notices, and applications must be directed to the Permit Coordinator for the area where the source is located unless otherwise specified. Please ask for the air quality permit coordinator when calling the general office numbers listed below. The Permit Coordinator addresses are as follows:

Counties	Permit Coordinator Address and Telephone
Statewide	Once DEQ's online portal Environmental Data Management System, 'Your DEQ Online' is available for this permit, the permittee will be directed to submit any reports, notices, applications, or fees required by this permit within the online system or through the addresses and information provided at that time. Until the online portal is available for this permit, the permittee must use the addresses and information identified below.
Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington	Department of Environmental Quality Northwest Region 700 NE Multnomah St., Suite 600 Portland, OR 97232-4100 Telephone: (503) 229-5696 NWRaqPermits@deq.state.or.us
Benton, Coos, Curry, Douglas, Jackson, Josephine, Lincoln, Linn, Marion, Polk, and Yamhill	Department of Environmental Quality Western Region 4026 Fairview Industrial Dr. SE Salem, OR 97302 Telephone: (503) 378-8240 WRaqPermits@deq.state.or.us
Baker, Crook, Deschutes, Gilliam, Grant, Harney, Hood River, Jefferson, Klamath, Lake, Malheur, Morrow, Sherman, Umatilla, Union, Wallowa, Wasco, Wheeler	Department of Environmental Quality Eastern Region 475 NE Bellevue Drive, Suite 110 Bend, OR 97701-7415 Telephone: (541) 388-6146 ERaqPermits@deq.state.or.us

8.4. DEQ Contacts

Information about air quality permits and DEQ's regulations may be obtained from the DEQ web page: <http://www.oregon.gov/DEQ/AQ/>. All inquiries about this permit should be directed to the regional office for the area where the source is located. DEQ's regional offices are as follows:

Counties	Office Address and Telephone
Clackamas, Clatsop, Columbia, Multnomah, Tillamook, and Washington	Department of Environmental Quality Portland Office 700 NE Multnomah St., Suite 600 Portland, OR 97232-4100 Telephone: (503) 229-5696
Benton, Lincoln, Linn, Marion, Polk, and Yamhill	Department of Environmental Quality Salem Office 4026 Fairview Industrial Dr. SE Salem, OR 97302 Telephone: (503) 378-8240
Coos, Curry, and Western Douglas	Department of Environmental Quality Coos Bay Office 381 N. Second Street Coos Bay, OR 97420-2325 Telephone: (541) 269-2721
Eastern Douglas, Jackson, and Josephine	Department of Environmental Quality Medford Office 221 Stewart Avenue, Suite 201 Medford, OR 97501-3647 Telephone: (541) 776-6010
Crook, Deschutes, Harney, Hood River, Jefferson, Sherman, Wasco, and Wheeler	Department of Environmental Quality Bend Office 475 NE Bellevue Drive, Suite 110 Bend, OR 97701-7415 Telephone: (541) 388-6146
Baker, Gilliam, Grant, Malheur, Morrow, Umatilla, Union, and Wallowa	Department of Environmental Quality Pendleton Office 800 SE Emigrant Avenue, Suite 330 Pendleton, OR 97801-2597 Telephone: (541) 276-4063
Klamath and Lake	Department of Environmental Quality Klamath Falls Office 803 Main Street, Suite 201 Klamath Falls, OR 97604 Telephone: (541) 273-7002

9.0 FEES

9.1. Annual Compliance Fee

The annual fees specified in OAR 340-216-8020, Table 2, are due on or by **December 1** of each year this permit is in effect. Invoices indicating the amount, as determined by DEQ regulations, will be mailed prior to the above date. **Late fees in accordance with Part 5 of the table will be assessed as appropriate.**

9.2. Change of Ownership or Company Name Fee

The Non-Technical Permit Modification specific activity fee specified in OAR 340- 216-8020, Table 2, Part 4 is due with an application for changing the ownership or the name of the company of a source assigned to this permit. Forms that require fees must be sent together to the address in Condition 9.3.

9.3. Where to Submit Fees

Fees, with a permit number prominently displayed, must be submitted to:

Department of Environmental Quality
Financial Services – Revenue Section
700 NE Multnomah St. Suite 600
Portland, OR 97232-4100

10.0 GENERAL CONDITIONS AND DISCLAIMERS

10.1. Other Regulations

In addition to the specific requirements listed in this permit, the permittee must comply with all other applicable legal requirements enforceable by DEQ.

10.2. Conflicting Conditions

In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.

10.3. DEQ Access

The permittee must allow DEQ's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468.095.

10.4. Permit Availability

The permittee must have a copy of the permit available at the facility at all times.

10.5. Open Burning

The permittee may not conduct any open burning except as allowed by OAR 340, Division 264.

10.6. Asbestos

The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.

10.7. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

10.8. Termination, Revocation, Rescission, or Modification

DEQ may modify or revoke this permit as authorized under OAR chapter 340, division 216.

11.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit	NESHAP	National Emissions Standards for Hazardous Air Pollutants
APCD	Air pollution control device	NO _x	nitrogen oxides
ASTM	American Society for Testing and Materials	NSPS	New Source Performance Standard
AQGP	Air Quality General Permit	O ₂	oxygen
AQMA	Air Quality Maintenance Area	OAR	Oregon Administrative Rules
calendar year	The 12-month period beginning January 1st and ending December 31 st	ORS	Oregon Revised Statutes
CAO	Cleaner Air Oregon	O&M	operation and maintenance
C.F.R.	Code of Federal Regulations	PBS	Packed bed scrubber
CO	carbon monoxide	PFOS	Perfluorooctane sulfonic acid
CO _{2e}	carbon dioxide equivalent	PCD	pollution control device
DEQ	Oregon Department of Environmental Quality	PM	particulate matter
dscf	dry standard cubic foot	PM ₁₀	particulate matter less than 10 microns in size
Dcsm	Dry standard cubic meter	PM _{2.5}	particulate matter less than 2.5 microns in size
EPA	US Environmental Protection Agency	ppm	part per million
FCAA	Federal Clean Air Act	Ppmv	Parts per million by volume
Gal	gallon(s)	PSEL	Plant Site Emission Limit
GHG	greenhouse gas	PTE	Potential to Emit
gr/dscf	grains per dry standard cubic foot	scf	standard cubic foot
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040	SIC	Standard Industrial Code
ID	Identification number	SO ₂	sulfur dioxide
I&M	inspection and maintenance	Special Control Area	as defined in OAR 340-204-0070
lb	pound(s)	VE	visible emissions
Mg	milligram	VOC	volatile organic compound
MMBtu	million British thermal units	year	A period consisting of any 12-consecutive calendar months
NA	not applicable		
NAICS	North American Industry Classification System		