



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

AUTHORITY TO CONSTRUCT

T015560

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: FEBRUARY 2027

OWNER OF OPERATOR (Co. #3183)

Prestige Plating, Inc.
17615 Alder Street, Suite M
Hesperia, CA 92345

EQUIPMENT LOCATION (Fac. #4659)

Prestige Plating, Inc.
17615 Alder Street, Suite M
Hesperia, CA 92345

Description:

METAL PLATING OPERATION, NON-CHROMIUM consisting of: Non-chromium electroplating operation consisting of twenty-four (24) electroplating baths performing a variety of functions, including but not limited to: acid rinsing, pickling, brightening, phosphating, and plating. This facility engages in decorative and functional plating operations involving zinc, nickel, and cadmium. The total annual plating time is limited by permit conditions to 11,520 hours per year resulting in the plating of 173,121 square feet of material per year. This facility utilizes tank covers and poly-balls, which are placed on the surface of the plating solution baths to suppress mist. Additionally, this facility does not use VOC-based solvents to clean and degrease materials prior to coating, cleaning is performed in a heated bath with an aqueous degreaser. This facility is prohibited from electroplating involving the use of hexavalent chromium, trivalent chromium, and the use of chromic acid pursuant to 17 CCR 93102 which prohibits the use of hexavalent chromium and imposes stringent control measures on the use of trivalent chromium and chromic acid. On the basis of this prohibition, this facility is not subject to 17 CCR 93102. If this facility wishes to engage in trivalent chromium or chromic acid operations at a later time, submission of a permit modification application and completion of a Health Risk Assessment will be required, furthermore the facility will become subject to the requirements of 17 CCR 93102.

EQUIPMENT

Capacity	Equipment Description
150	Reverse cleaner (24"Depth x 36"Length x 48"Width)
75	Reverse cleaner rinse (24"Depth x 24"Length x 36"Width)
90	Alkaline copper (18"Depth x 40"Length x 36"Width)
50	Copper rinse (18"Depth x 24"Length x 36"Width)

Fee Schedule: 5 (a)

Rating: 10000 gallons

SIC: 3471

SCC: 30901098

Location/UTM(Km):
474E/3813N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

Prestige Plating, Inc.
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By: **COPY**
Brad Poiriez
Executive Director

Capacity	Equipment Description
5	Olive drab (24"Depth x 24"Length x 36"Width)
50	Olive drab rinse (18"Depth x 24"Length x 36"Width)
300	Cadmium plate (24"Depth x 36"Length x 96"Width)
75	Cadmium rinse (24"Depth x 24"Length x 36"Width)
80	Copper strip (24"Depth x 24"Length x 36"Width)
50	Copper strip rinse (24"Depth x 24"Length x 36"Width)
20	Cadmium strip (24"Depth x 24"Length x 36"Width)
10	Cadmium strip rinse (18"Depth x 24"Length x 36"Width)
50	Zinc black (24"Depth x 24"Length x 36"Width)
10	Zinc black rinse (18"Depth x 24"Length x 36"Width)
50	Gold (24"Depth x 24"Length x 36"Width)
10	Gold rinse (18"Depth x 18"Length x 36"Width)
5	Clear (24"Depth x 24"Length x 36"Width)
5	Clear rinse (24"Depth x 24"Length x 36"Width)
5	Bright dip (24"Depth x 24"Length x 36"Width)
5	Bright dip rinse (24"Depth x 24"Length x 36"Width)
20	Zinc rinse (24"Depth x 24"Length x 36"Width)
5	1% nitric bright dip (24"Depth x 24"Length x 36"Width)
5	Nitric bright dip rinse (24"Depth x 24"Length x 36"Width)
300	Zinc plating bath (24"Depth x 36"Length x 96"Width)

CONDITIONS:

1. The owner/operator shall comply with all District and State of California Rules and Regulations including, but not limited to malfunction/breakdown notifications and the National Emission Standards for Hazardous Air Pollutants for Plating and Polishing Operations Title 40 CFR 63 subpart WWWWWW which covers the following plating compounds of cadmium (Cd), chromium (Cr), manganese (Mn), nickel (Ni) and/or lead (Pb).

[District Rule 204; 17 CCR 93102; 40 CFR 63, Subpart WWWWWW]

2. This equipment must be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment must also be operated in accordance with all data and specifications submitted with the application for this permit.

[District Rule 204]

3. Material Safety Data Sheets for all substances added to the process tanks used at this facility shall be kept current and made available to the District upon request.

[District Rule 204]

4. This facility may not exceed the following throughputs in any year (consecutive 12-months):

- 173,121 square feet of total material electroplated;
- 11,520 hours of total plating time;
- 705 square feet of material electroplated in cadmium solutions;
- 16.8 hours of plating time in cadmium solutions;
- 3,456 square feet of material electroplated in nickel solutions;
- 144 hours of plating time in nickel solutions; and,
- 260 pounds of Sulfuric Acid.

[District Rule 204]

5. This facility shall not use any solutions or materials containing hexavalent chromium, trivalent chromium, or chromic acid. Inclusion of trivalent chromium or chromic acid plating operations will require submission of a permit modification and will require a Health Risk

Assessment (HRA). Hexavalent chromium is strictly prohibited by 17 CCR 93102 and can not be added to this Facilities electroplating operations.

[District Rule 204; 17 CCR 93102]

6. This facility shall not engage in Dry mechanical polishing or permanent thermal spraying as defined in 40 CFR 63.11511.

[District Rule 204; 40 CFR 63.11511]

7. This facility shall be operated in accordance with the "management practices" as applicable in 40 CFR Part 63 Subpart W - National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations, Section 63.11507:

- a. Minimize bath agitation when removing parts processed in the tank except when necessary to meet part quality requirements;
- b. Maximize the draining of bath solutions back into the tank by extending drip time when removing parts from the tank;
- c. Optimize the design of barrels, racks and parts to minimize drag out of bath solution;
- d. Use tank covers whenever possible, if already owned and available at the facility, whenever practicable;
- e. Minimize or reduce heating of process tanks, as practicable, except when doing so would interrupt production or adversely affect part quality;
- f. Perform regular repair, maintenance and preventative maintenance of racks, barrels and other equipment associated with affected sources, as practicable;
- g. Minimize bath contamination such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated and through rinsing of pre-treated parts to be plated, as practicable;
- h. Maintain quality control of chemicals and chemical and other bath ingredient concentrations in the tanks, as applicable;
- i. Perform general good housekeeping such as regular sweeping or vacuuming if needed and periodic washdowns as practicable;
- j. Minimize spills and overflow of tanks as practicable;
- k. Use squeegee rolls in continuous or reel-to reels plating tanks as practicable; and,
- l. Perform regular inspections to identify leaks and other opportunities for pollution prevention.

[District Rule 204; 63.11507(g)]

8. A daily operating log shall be kept for every process tank at this facility. These logs must be adhered to each tank or kept nearby so that each process tank is easily identifiable. This operations log must be maintained and kept on site for five (5) years and shall contain the following data. Records should be kept in a form suitable and readily available for review:

- a. Tank identification;
- b. Tank Process;
- c. Addition of any materials to the solution in the tank;
- d. Daily total square footage of materials plated, cleaned, or treated;
- e. Consecutive 12-month total square footage of materials plated, cleaned, or treated;
- f. Daily operating time per tank (hours);
- g. Consecutive 12-month total operating time per tank (hours);
- h. Amperes to the tank during the interval operated;
- i. Ampere/hours;
- j. Identification of any heated tank and the temperature of the tank;
- k. Addition of any acid to any process tank, identification number of the tank, the process occurring in the tank, the type of acid and the amount added (gallons);
- l. The amount, type and VOC content of each solvent used per day (except acetone, which is VOC-exempt); and,
- m. The amount, type and VOC content of each solvent used per consecutive 12-month period (except acetone, which is VOC-exempt).

[District Rule 204]

9. When operating non-cyanide electroplating tanks with pH less than 12 you must do at one of the following, in addition to implementing the applicable management practices in Condition 7, as practicable:

- a. If using a wetting agent/fume suppressant in the bath of the affected tank, you must:
 - i. Initially add the wetting agent/fume suppressant in the amounts recommended by the manufacturer for the specific type of electrolytic process;
 - ii. Add wetting agent/fume suppressant in proportion to the other bath chemistry ingredients that are added to replenish the bath, as in the original make-up of the bath, or in proportions such that the bath contents are returned to that of the original make-up of the bath; and,
 - iii. If a wetting agent/fume suppressant is included in the electrolytic process bath chemicals used in the affected tank according to the manufacturer's instructions, it is not necessary to add additional wetting agent/fume suppressants to the tank to comply with this rule.
- b. If covering the tank surface with a tank cover, you must:

- i. For batch electrolytic process tanks: Use a tank cover over all of the effective surface area of the tank for at least 95 percent of the electrolytic process operating time.
 - ii. For continuous electrolytic process tanks: Cover at least 75 percent of the surface of the tank whenever the electrolytic process tank is in operation.
- [63.11507(a)]

10. When operating "flash" or short-term electroplating tanks (cadmium plating and nickel strike tanks) you must do the following, in addition to implementing the applicable management practices in Condition 7, as practicable:

- a. You must limit short-term or "flash" electroplating to no more than 1 cumulative hour per day or 3 cumulative minutes per hour of plating time; and,
- b. You must use a tank cover for at least 95 percent of the plating time.

[63.11507(b)]

11. When using a process tank that is used both for short-term electroplating and for electrolytic processing of longer duration you must meet the requirements specified in Condition 9 and 10, whichever apply to the process operation, and implement the applicable management practices in Condition 7, as practicable.

[63.11507(c)]

12. When operating an electroplating tank that uses cyanide in the plating bath and operates at pH greater than or equal to 12 you must do the following, in addition to implementing the applicable management practices in Condition 7, as practicable:

- a. Measure and record the pH of the bath upon startup of the bath. No additional pH measurements are required.

[63.11507(d)]

13. To demonstrate initial compliance, you must satisfy the requirements specified below for the relevant electroplating process:

Electroplating using Wetting Agent/Fume Suppressant

- a. You must add wetting agent/fume suppressant to the bath of each affected tank according to manufacturer's specifications and instructions;
- b. You must state in your Notification of Compliance Status that you add wetting agent/fume suppressant to the bath according to manufacturer's specifications and instructions;
- c. You must implement the applicable management practices specified in Condition 7, as practicable; and,
- d. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in Condition 7, as practicable.

Batch Electroplating using a Tank Cover

- a. You must install a tank cover on the affected tank;
- b. You must state in your Notification of Compliance Status that you operate the tank with the cover in place at least 95 percent of the electrolytic process operating time;
- c. You must implement the applicable management practices specified in Condition 7, as practicable; and,
- d. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in Condition 7, as practicable.

Continuous Electroplating using a Tank Cover

- a. You must cover at least 75 percent of the surface area of the affected tank;
- b. You must state in your Notification of Compliance Status that you operate the tank with the surface cover in place whenever the continuous electrolytic process is in operation;
- c. You must implement the applicable management practices specified in Condition 7, as practicable; and,
- d. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in Condition 7, as practicable.

Flash or Short-Term Electroplating with Limited Electroplating Time

- a. You must state in your Notification of Compliance Status that you limit short-term or flash electroplating to no more than 1 cumulative hour per day, or 3 cumulative minutes per hour of plating time;
- b. You must implement the applicable management practices specified in Condition 7, as practicable; and,
- c. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in Condition 7, as practicable.

Flash or Short-Term Electroplating with a Tank Cover

- a. You must install a tank cover on the affected tank;
- b. You must state in your Notification of Compliance Status that you operate the tank with the cover in place at least 95 percent of the plating time;
- c. You must implement the applicable management practices specified in Condition 7, as practicable; and,
- d. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in Condition 7, as practicable.

For operation of any electroplating tank not defined elsewhere in this condition, you must demonstrate initial compliance according to the following:

- a. You must report in your Notification of Compliance Status the pH of the bath solution that was measured at startup;
- b. You must implement the applicable management practices specified in Condition 7, as practicable; and,
- c. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in Condition 7, as practicable.

[63.11508(c)]

14. To demonstrate continuous compliance with the applicable management practices and equipment standards specified in 40 CFR 63, Subpart WWWWWW, you must satisfy the requirements specified in this condition for the applicable process tanks, and do the following:

- a. You must always operate and maintain your affected source, including air pollution control equipment; and,
- b. You must prepare an annual compliance certification according to the requirements specified in Condition 15.

Continuous Compliance for Electroplating Baths with Wetting Agents/Fume Suppressants

- a. You must record that you have added the wetting agent/fume suppressant to the tank bath in the original make-up of the tank;
- b. For tanks where the wetting agent/fume suppressant is a separate ingredient from the other tank additives, you must demonstrate continuous compliance according to (b)(i) and (b)(ii), below;
 - i. You must add wetting agent/fume suppressant in proportion to the other bath chemistry ingredients that are added to replenish the tank bath, as in the original make-up of the tank; or in proportion such that the bath is brought back to the original make-up of the tank;
 - ii. You must record each addition of wetting agent/fume suppressant to the tank bath;
- c. You must state in your annual compliance certification that you have added wetting agent/fume suppressant to the bath according to the manufacturer's specifications and instructions.

Continuous Compliance for Flash or Short-Term Electroplating Baths with Limited Electroplating Time

- a. You must limit short-term or flash electroplating to no more than 1 cumulative hour per day or 3 cumulative minutes per hour of plating time;
- b. You must record the times that the affected tank is operated each day; and,
- c. You must state in your annual compliance certification that you have limited short-term or flash electroplating to no more than 1 cumulative hour per day or 3 cumulative minutes per hour of plating time.

Continuous Compliance for Batch, Flash, or Short-Term Electroplating with a Tank Cover

- a. You must operate the tank with the cover in place at least 95 percent of the electrolytic process operating time;
- b. You must record the times that the tank is operated and the times that the tank is covered on a daily basis; and,
- c. You must state in your annual certification that you have operated the tank with the cover in place at least 95 percent of the electrolytic process time.

Continuous Electroplating Tanks with a Tank Cover

- a. You must operate the tank with at least 75 percent of the surface covered during all periods of electrolytic process operation; and,
- b. You must state in your annual certification that you have operated the tank with 75 percent of the surface covered during all periods of electrolytic process operation.

For operation of any electroplating tank or process not defined elsewhere in this condition, you must demonstrate continuous compliance according to the following:

- a. You must implement the applicable management practices during all times that the affected tank or process is in operation; and,
- b. You must state in your annual compliance certification that you have implemented the applicable management practices, as practicable.

[63.11508(d)]

15. You must prepare an annual certification of compliance report according to the following. These reports do not need to be submitted unless a deviation from the requirements of this subpart has occurred during the reporting year, in which case, the annual compliance report must be submitted along with the deviation report.

- a. If you own or operate a non-cyanide electroplating tank with pH less than 12, you must state in your annual compliance certification that you have added wetting agent/fume suppressant to the bath according to the manufacturer's specifications and instructions;
- b. If you own or operate a "flash" or short-term electroplating tank that has limiting the plating time, you must state in your annual compliance certification that you have limited short-term or flash electroplating to no more than 1 cumulative hour per day or 3 cumulative minutes per hour of plating time;
- c. If you own or operate a batch electrolytic process tank or a "flash" or short-term electroplating tank and operate the process tank with a tank cover, you must state in your annual certification that you have operated the tank with the cover in place at least 95 percent of the electrolytic process time;
- d. If you own or operate a continuous electrolytic process tank and operate the tank with a tank cover, you must state in your annual certification that you have covered at least 75 percent of the surface area of the tank during all periods of electrolytic process operation; and,
- e. For all electroplating process tanks, you must state in your annual compliance certification that you have implemented the applicable management practices, as practicable.

NOTICE: Each annual compliance report must be prepared no later than January 31 of the year immediately following the reporting period and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance report must be submitted along with the deviation report, and postmarked or delivered no later than January 31 of the year immediately following the reporting period.

[63.11509(c)]

16. You must submit an Initial Notification in accordance with the following, by the dates specified:

- a. The Initial Notification must include the information specified in (a)(i) through (a)(iv), below:
 - i. The name and address of the owner or operator;
 - ii. The address (i.e., physical location) of the affected source;
 - iii. An identification of the relevant standard, or other requirement, that is the basis of the notification and the source's compliance date;
 - iv. A brief description of the nature, size, design, and method of operation of the source and an identification of the types of emission points within the affected source subject to the relevant standard and types of hazardous air pollutants emitted.
- b. The Initial Notification must include a description of the compliance method (e.g., use of wetting agent/fume suppressant) for all process tanks;
- c. You must submit an Initial Notification not later than 120 calendar days after issuance of this permit. The date of permit issuance is the date at which this facility became subject to 40 CFR 63, Subpart WWWWWW.

[63.11509(a)]

17. If any deviations from the compliance requirements specified in the conditions of this permit occurred during the year, you must report the deviations, along with the corrective action taken, and submit this report to MDAQMD via email at reporting@mdaqmd.ca.gov, or physically deliver the reports to 14306 Park Ave., Victorville, CA 92932.

[63.11509(d)]

18. You must submit a Notification of Compliance Status in accordance with paragraphs (b)(1) through (3) of this section.

- a. The Notification of Compliance Status must be submitted within 120 days of initial startup of the facility;
- b. The Notification of Compliance Status must include the items specified in (i) through (iv), below:
 - i. List of affected sources (process tanks) and the plating and polishing metal HAP used in, or emitted by, those sources (process tanks);
 - ii. Methods used to comply with the applicable management practices and equipment standards presented in Condition 7;
 - iii. Description of the capture and emission control systems used to comply with the applicable equipment standards;
 - iv. Statement by the owner or operator of the affected source as to whether the facility is in compliance with the applicable standards or other requirements;
- c. If this facility makes a change to any items in (b)(i), (b)(iii), and (b)(iv) of this condition that does not result in a deviation, an amended Notification of Compliance Status should be submitted within 30 days of the change.

[63.11509(b)]

19. You must keep the records below, as specified.

- a. A copy of any Initial Notification (Condition 16) and Notification of Compliance Status (Condition 18) that you submitted and all documentation supporting those notifications.
- b. The records specified in 40 CFR 63.10(b)(2)(i) through (iii) and (xiv) of the General Provisions of Subpart WWWWWW. These requirements are presented as (b)(i) through (b)(iv), below:
 - i. The occurrence and duration of each startup or shutdown when the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards;
 - ii. The occurrence and duration of each malfunction of operation (i.e., process equipment) or the required air pollution control and

monitoring equipment;

iii. All required maintenance performed on the air pollution control and monitoring equipment;

iv. All documentation supporting initial notifications and notifications of compliance status under 40 CFR 63.9.

c. The records required to show continuous compliance with each management practice and equipment standard that applies to you, as specified in Condition 14.

NOTICE: You must keep each record for a minimum of 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. You must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1) of the General Provisions to Part 63. You may keep the records offsite for the remaining 3 years.

[63.11509(f)]

20. This facility is subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) known as a Maximum Achievable Control Technology (MACT) for emissions of Hazardous Air Pollutants (HAP) for Plating and Polishing Operations Title 40 CFR 63 subpart WWWWWW. Additionally, this facility is subject to the Airborne Toxic Control Measure (ATCM) for Chromium Electroplating and Chromic Acid Anodizing Operations. In the event of conflict between the NESHAP, ATCM, or District Rules, the most stringent requirements shall govern.

[District Rule 204; 17 CCR 93102; 40 CFR 63, Subpart WWWWWW]

21. This facility is prohibited from emitting Volatile Organic Compounds (VOC) in amounts greater than the following (excluding acetone, which is VOC-exempt):

a. 1,190 pounds per month; and,

b. 25 pounds per day.

Solvent use must be recorded in logs, pursuant to Condition 8(l-m) of this permit, and must be reported in the annual CEIR submission.

If using common, pure solvents you may determine your emissions on a mass basis by multiplying the volume of solvent used (in gallons) by the applicable solvent density: 99 percent isopropyl alcohol = 6.55 lb/gal, 190-proof ethanol (denatured) = 6.80 lb/gal, mineral spirits = 6.5 lb/gal. If using an unlisted solvent, include an SDS with the annual CEIR submission.

[District Rule 442]

22. A Facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; 40 CFR 51, Subpart A]