

**PIMA COUNTY DEPARTMENT OF ENVIRONMENTAL QUALITY**

**150 West Congress Street • Tucson, AZ 85701 • Phone: (520) 740-3340**

**AIR QUALITY OPERATING PERMIT**

(As required by Title 17.12, Article II, Pima County Code)

**ISSUED TO**

**Au-TOMOTIVE GOLD, INC.**

**2852 North El Burrito Ave**

**Tucson, AZ 85705**

*This air quality operating permit does not relieve applicant of responsibility for meeting all air pollution regulations*

THIS PERMIT IS ISSUED SUBJECT TO THE SPECIFIC CONDITIONS CONTAINED IN THIS PERMIT

PDEQ PERMIT NUMBER 1651 PERMIT CLASS II EXPIRATION DATE July 2, 2011

PERMIT ISSUED THIS 3<sup>rd</sup> DAY OF \_\_\_\_\_ July, 2006

  
SIGNATURE

Tina Gingras Air Program Manager, PDEQ  
TITLE

**Au-TOMOTIVE GOLD, Inc.**  
**Air Quality Permit # 1651**

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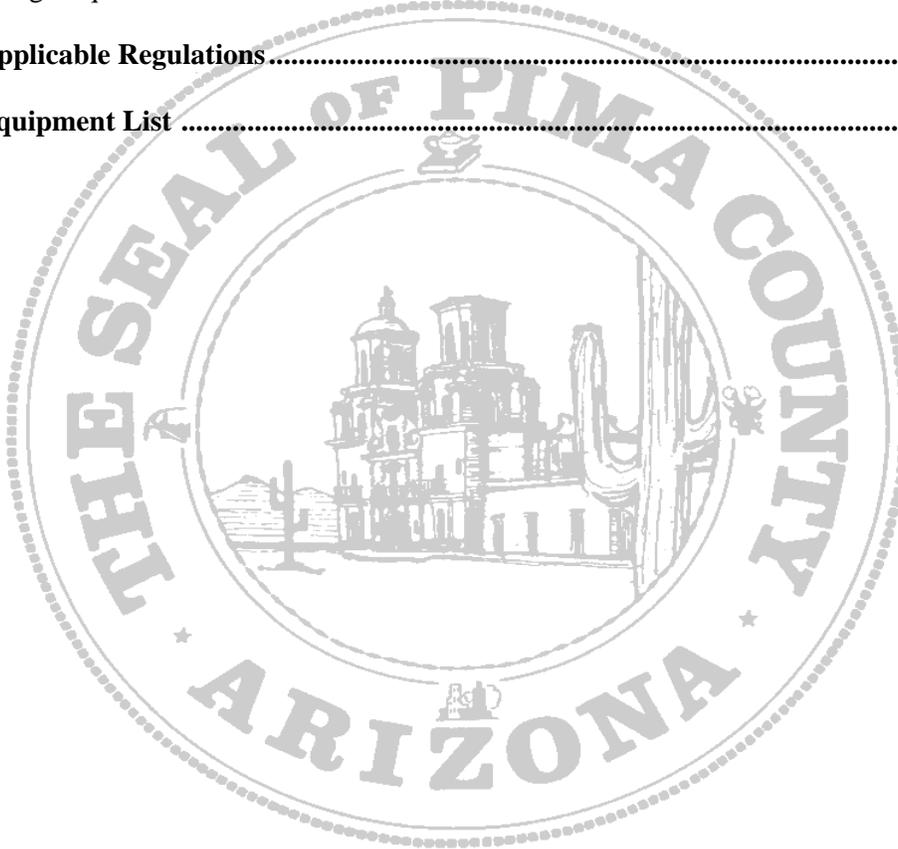
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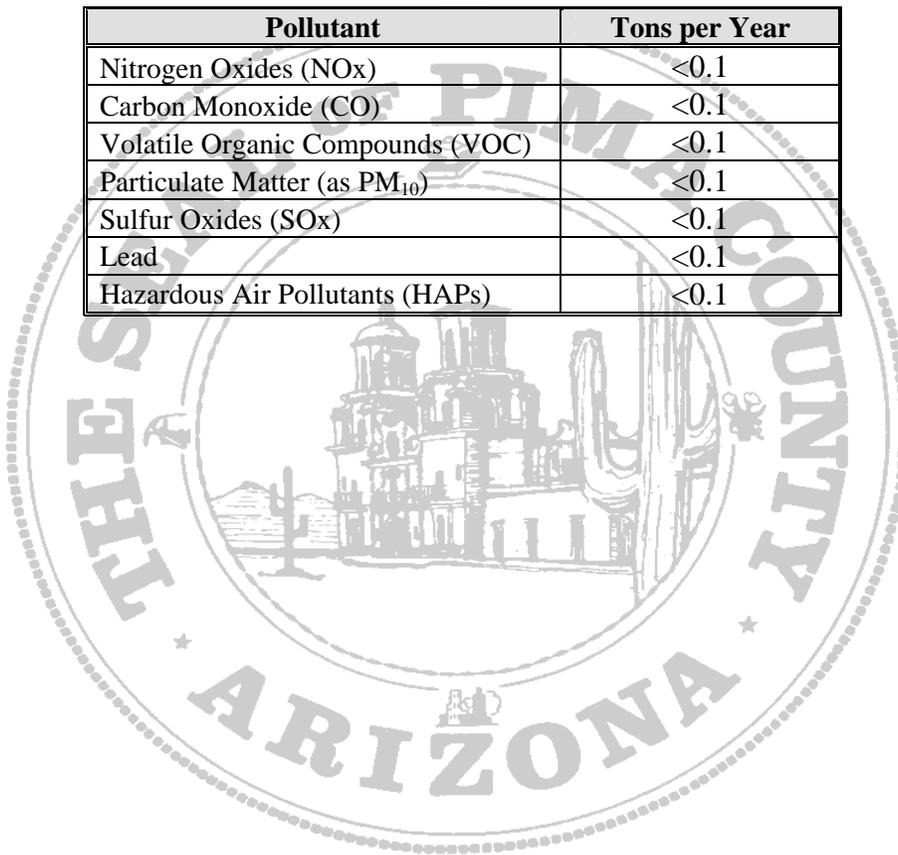
**Au-TOMOTIVE GOLD, Inc.**  
**Air Quality Permit # 1651**

**SUMMARY**

This operating permit is the first 5-year air quality permit issued to Au-TOMOTIVE GOLD, Inc, the Permittee. This facility is an *area source of HAPs* subject to 40 CFR 63 Subpart N – NESHAPS for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks. This facility is a stationary source as defined by Title 17 of the Pima County Code, Title 18 of the Arizona Revised Statutes, and the Clean Air Act. The source consists of Chromium, Gold, and Nickel plating facilities, but only the Chromium tanks are specifically addressed by this permit.

The following emission rates are for reference purposes only and are not intended to be enforced by direct measurement unless otherwise noted in the Specific Conditions.

<b>Pollutant</b>	<b>Tons per Year</b>
Nitrogen Oxides (NO <sub>x</sub> )	<0.1
Carbon Monoxide (CO)	<0.1
Volatile Organic Compounds (VOC)	<0.1
Particulate Matter (as PM <sub>10</sub> )	<0.1
Sulfur Oxides (SO <sub>x</sub> )	<0.1
Lead	<0.1
Hazardous Air Pollutants (HAPs)	<0.1



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**SPECIFIC CONDITIONS**

[References are to Title 17 of the Pima County Code unless otherwise noted]

**I. APPLICABILITY**

Equipment covered by this permit constitutes an *area source* based on 8760 hours per year of operation and considering emissions from other emission units of the same SIC Code at this facility. Equipment specifically addressed by the permit falls under the following category:

- A. **Chromium Electroplating** – including receptacles or containers along with the internal and external components needed for chromium electroplating. Process tanks associated with the chromium electroplating process, but in which chromium electroplating does not take place are not included in this category. [40 CFR 63.340(a), (c), & §63.341]

Affected Emission Source Classification: **Class II; Stationary, Area Source.**

**II. EMISSION LIMITS AND STANDARDS**

[PCC 17.12.185.A.2]

A. Chromium Electroplating

1. The Permittee shall exclusively electroplate chromium using trivalent chromium bath components that contain wetting agents as ingredients as purchased from vendors. [40 CFR 60.342(e) & PCC 17.12.190]  
**[Federally Enforceable & Material Permit Condition]**
2. Should the Permittee desire to use a bath component other than described above (II.A.1 of the Specific Conditions), the Permittee shall first file the appropriate revision pursuant to PCC 17.12.240, 17.12.255, or 17.12.260. [PCC 17.12.190]  
**[Federally Enforceable Condition]**

B. Facility-Wide Operations

1. Odor Limiting Standard [PCC 17.16.030]  
The Permittee shall not emit gaseous or odorous materials from equipment, operations or premises under his control in such quantities or concentrations as to cause air pollution.
2. Organic Solvents Handling  
The Permittee shall not transport or store VOCs without taking necessary and feasible measures to control evaporation, leakage or other discharge into the atmosphere [PCC 17.16.400.A]

**III. MONITORING REQUIREMENTS**

[PCC 17.12.180.A.3]

At least once per month the Permittee shall conduct an inspection of the facility taking note of the following items:

- A. Confirm that only trivalent chromium bath components with pre-mixed wetting agents are used and stored on-site;

- B. While chromium electroplating is taking place, confirm that the equipment is being operated according to manufacturer's specifications or best management practices if no such specifications exist or are imprecise; and
- C. Confirm that containers that store products with a VOC component are covered when not in use.

IV. RECORDKEEPING REQUIREMENTS

[PCC 17.12.185.A.4]

A. Chromium Electroplating

The Permittee shall maintain records of all bath components purchased, with the wetting agent clearly identified as a bath constituent contained in one of the components.

[40 CFR 63.346(b)(14)]

**[Federally Enforceable Condition]**

B. Facility-Wide Operations

1. The Permittee shall record the results of the inspection in III of the Specific Conditions in a log that includes the process or container being checked, the initials of the inspecting personnel corrective action taken if any and the date the inspections were conducted.

2. The Permittee shall retain all records relating to this permit, and a copy of the permit at the permit site. The Permittee shall comply with the permit posting requirements of PCC 17.12.080. All records shall be maintained in accordance with the requirements of PCC 17.12.185.A.4.b

[PCC 17.12.080 & PCC 17.12.185.A.4.b]

3. The Permittee shall maintain all records on-site for five years.

[40 CFR 63.346(c) & PCC 17.12.185.A.4.b]

**[Federally Enforceable Condition]**

V. REPORTING REQUIREMENTS

[PCC 17.12.185.A.5 & 17.12.210]

A. Chromium Electroplating

1. Initial Notification

[40 CFR 63.347(i)(1)]

**[Federally Enforceable Condition]**

By July 24, 1995\*, the Permittee shall have submitted an initial notification to the control officer and Administrator that includes:

- a. The name, title, and address of the owner or operator;
- b. The address (i.e., physical location) of each affected source;
- c. A statement that subpart N of this part is the basis for this notification;
- d. Identification of the applicable emission limitation and compliance date for each affected source;
- e. A brief description of each affected source, including the type of process operation performed;

- f. A statement that a trivalent chromium process that incorporates a wetting agent will be used to comply with §63.342(e); and
- g. The list of bath components that comprise the trivalent chromium bath, with the wetting agent clearly identified; and

2. Notification of Compliance Status

By February 24<sup>th</sup> 1996<sup>1</sup>, the Permittee shall have submitted a notification of compliance status to the control officer and Administrator that contains an update of the information submitted in accordance with the above requirement (IV.A.1 of this Part) or a statement that the information is still accurate.

[40 CFR 63.347(i)(2)]

**[Federally Enforceable Condition]**

B. Facility-Wide Operations

Emissions Inventory Reporting:

[PCC 17.12.320]

When requested, the Permittee shall complete and submit to the control officer, an annual emissions inventory questionnaire pursuant to 17.12.320 of the Pima County Code.

VI TESTING REQUIREMENTS

[PCC 17.12.185.A.3.a & 17.20.010]

For purposes of demonstrating compliance, these test methods shall be used, provided that for the purpose of establishing whether or not the facility has violated or is in violation of any provision of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether a source would have been in compliance with applicable federal requirements if the appropriate performance or compliance procedures or methods had been performed.

Should the Permittee desire to test or be required to test to determine compliance with any applicable standard, the Permittee shall contact the Control Officer for appropriate test methods.

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<sup>1</sup> The Permittee submitted these notifications on April 25<sup>th</sup>, 2005.

## ADDITIONAL PERMIT REQUIREMENTS

### I. COMPLIANCE WITH PERMIT CONDITIONS

[PCC 17.12.185.A.7.a & b]

- A. The Permittee shall comply with all conditions of this permit including all applicable requirements of Arizona air quality statutes and the air quality rules. Any permit noncompliance constitutes a violation of the Arizona Revised Statutes and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. In addition, noncompliance with any federally enforceable requirement constitutes a violation of the Clean Air Act.
- B. The Permittee shall report to the Control Officer any emissions in excess of the limits established by this permit. The report shall be in 2 parts as specified below: [PCC 17.12.185.A.5 & PCC 17.12.040]
1. Notification by telephone or facsimile within 24 hours of the time the Permittee first learned of the occurrence of excess emission that includes all available information from 17.12.040.B. The number to call to report excess emissions is **520-740-3340**. The facsimile number to report excess emissions is **520-882-7709**.
  2. Detailed written notification by submission of an excess emissions report within 72 hours of the notification under I.B.1. of the additional permit requirements above. **Send to PDEQ 150 W. Congress St., Tucson, Arizona 85701.**
- C. It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- D. The permit does not convey any property rights of any sort, or any exclusive privilege to the permit holder.
- E. The Permittee shall pay fees to the Control Officer pursuant to PCC 17.12.510. [PCC 17.12.185.A.9 & PCC 17.12.510]

### II. PERMIT REVISION, REOPENING, REVOCATION AND REISSUANCE, OR TERMINATION FOR CAUSE

[PCC 17.12.185.A.7.c]

The permit may be revised, reopened, revoked and reissued, or terminated for cause pursuant to PCC 17.12.270. The filing of a request by the Permittee for a permit revision, revocation and reissuance, or termination; or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

### III. DUTY TO PROVIDE INFORMATION

[PCC 17.12.165.G & PCC 17.12.185.A.7.e]

- A. The Permittee shall furnish to the Control Officer, within a reasonable time, any information that the Control Officer may request in writing to determine whether cause exists for revising, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the Permittee shall also furnish to the Control Officer copies of records required to be kept by the permit. For information claimed to be confidential, the Permittee shall furnish a copy of such records to the Control Officer along with a claim of confidentiality.
- B. If the Permittee has failed to submit any relevant facts or if the Permittee has submitted incorrect information in the permit application, the Permittee shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information.

IV. SEVERABILITY CLAUSE

[PCC 17.12.185.A.6]

The provisions of this permit are severable. If any provision of this permit is held invalid, the remainder of this permit shall not be affected thereby.



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**ATTACHMENT 1: APPLICABLE REGULATIONS**

Requirements Specifically Identified as Applicable:

*Code of Federal Regulations Title 40, Chapter 63 (40 CFR 63)*

Subpart N            NESHAPS for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks.

*Pima County State Implementation Plan (SIP):*

SIP 344            Odor Limiting Standards.

*Pima County Code (PCC) Title 17, Chapter 17.16:*

17.16.030        Odor Limiting Standards.  
17.16.400        Organic Solvents and Other Organic Materials.



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**ATTACHMENT 2: EQUIPMENT LIST**

List of Bath Components:

Enthone's Udylite XPCR-553 Trivalent Chromium Process which utilizes the following:

1. Trivalent Chrome Concentrate
2. Chrome Metal
3. conductivity Salts
4. Boric Acid
5. Additive
6. Wetter
7. Carrier

