

**USEPA/OECA/OC  
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California: Air Toxics Compliance Monitoring Final Report  
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## **Technical Report Prepared For U.S. EPA Grant (ID # X-98951301-0) Air Toxic Compliance Monitoring**



**Prepared by:  
California Air Resources Board Staff  
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State of California  
California Environmental Protection Agency  
Air Resources Board

**Technical Report Prepared For U.S. EPA Grant (ID # 98951301-0)  
Air Toxic Compliance Monitoring Grant**

December 2003

**Project Manager**  
Hardip Judge

**Project Lead**  
Steve Eve

**Supervision**  
Jorge Fernandez, Chief, Program Evaluation Branch  
Stationary Source Division

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### **Field Inspections**

#### **ARB Staff**

Steve Eve  
Eric Patton  
Michael Donnelly  
Jill Locke

#### **South Coast AQMD Staff**

Michael Haynes  
Gale Jones  
Larry Israel  
Carmelita Benitez  
Pete Tolentino  
Walter Shen

### **Data Collation**

Steve Eve  
Sam Vergara

### **Compliance Assistance**

Dodie Weiner (Hand Book)  
Amanda Ciccarelli (Spanish Translation)

### **Training**

Terone Prestone

### **Emissions Testing**

David Todd  
Chris Clarke  
Shobna Sahni

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**Technical Report Prepared For U.S. EPA Grant (ID # X-98951301-0)**  
**Air Toxic Compliance Monitoring Project Final Report**

Analysis of the Impact of Outreach on Compliance

**Synopsis**

The objective of the study was to develop and implement enhanced performance measures for state enforcement and compliance assurance programs. In addition, we wanted to elevate the state of compliance of inspected facilities and determine the effect of assistance and outreach on compliance. For purposes of this study, the rule category selected was chrome plating. Inspected facilities were all located in the South Coast Air Basin in California. The chrome plating industry was selected because their compliance rates have historically been lower than desired and there are environmental justice considerations based on their location. The study was conducted by the California Air Resources Board staff in cooperation with the South Coast Air Quality Management District.

A statistically significant sample of chrome platers was randomly selected and inspected with respect to air quality regulations (40 CFR Part 63, Sub Part N and South Coast Rule 1469) to provide baseline compliance rates. Permitting, training, enforcement, and outreach activities were then conducted for the entire group. Subsequent inspections (after three years) revealed that the compliance rate for this population increased from 22% to 86%. Results in this study are all based on actual field data. Source testing for hexavalent chromium was performed at three facilities to obtain an estimate of emissions from facilities operating within the controls and guidelines required by federal law and local regulations.

Field results have provided proof of the study's original premise that a combination of increased inspection frequency, compliance assistance activities, and vigorous enforcement (where needed) can substantially elevate the compliance status of a source category.

## **Technical Report Prepared For U.S. EPA Grant (ID # X-98951301-0) Air Toxic Compliance Monitoring**

### **Objectives**

The objective of this project was: 1) to develop and implement enhanced performance measures for state enforcement and compliance assurance programs for the chrome plating sector; 2) elevate compliance rates among chrome platers; 3) determine the effect of assistance and outreach on compliance with the chrome plating rule in the South Coast Air Basin; and 4) to generate limited data on the emission potential of decorative chrome plating facilities.

### **Project Description**

The project involved a thorough examination of the chrome plating industry with respect to the implementation of South Coast AQMD (SCAQMD) District Rule 1469 (Hexavalent Chromium Emissions From Chrome Plating And Chromic Acid Anodizing Operations) and source testing of selected facilities in the South Coast Air Basin. As part of the study, ARB and SCAQMD randomly selected and inspected 135 chrome plating facilities to determine baseline compliance rates and to determine how permitting, training, and outreach can improve facility compliance. Subsequent inspections (after three years), enabled ARB and SCAQMD staff to compare follow-up data with information obtained during the baseline inspections and thereby determine other outcome data. Source testing at three facilities generated real data with respect to the emissions potential of plating shops.

### **Background and Statement of Problem**

ARB selected the chrome plating industry as the subject of our study because of the potential hazard posed by hexavalent chromium emissions from these operations. Many of these facilities are small businesses and are ideal candidates for compliance assistance and outreach initiatives. This study enabled ARB to determine the compliance status of the chrome plating industry in the SCAQMD through the use of outcome-based performance measures. In addition, through the use of enforcement, compliance assistance measures, and follow-up inspections, compliance for this sector of industry was improved.

### **Project Goals**

The goals we accomplished were consistent with the outcome-based performance measures and core outputs developed under the National Performance Measures Strategy (NPMS) for EPA's enforcement and compliance assurance program. The National Performance Measures Strategy (NPMS) was

initiated by EPA's Office of Enforcement and Compliance Assurance (OECA) in 1997 to identify, design, implement, and use an enhanced set of performance measures for enforcement and compliance assurance programs. The strategy was designed to help measure the state of compliance with environmental laws, the environmental results achieved, and the degree to which program objectives are being met and noncompliance problems are being addressed. A detailed discussion of this subject can be found on the OECA website at <http://es.epa.gov/oeca/perfmeas>. Pertinent definitions adopted for the Strategy are briefly explained below:

- Outputs are defined as quantitative or qualitative measures of important activities, work products, or actions taken by EPA or by states under delegated Federal programs. Examples include, inspections conducted, referrals made, penalties assessed.
- Outcomes are defined as quantitative or qualitative measures of changes in the behavior of the public or regulated entities caused, at least in part, by actions of government. Examples include, statistically valid noncompliance rates for selected populations, improvements resulting from compliance assistance.

Specifically, for the chrome plating sector of industry in the SCAQMD, we determined the following data elements through actual field studies:

Project Goal #1: The number of sources and the percent of sources inspected within rule category selected for study. (NPMS Output Set 8) \*

Project Goal #2: The level of compliance in the regulated population. (NPMS Outcome Set 1)

Project Goal #3: The number of notices issued and enforcement actions initiated and concluded for each study. (NPMS Output Set 9)

Project Goal #4: The response of significant violators. Specifically, average number of days for violators to return to compliance. (NPMS Outcome Set 6)

Project Goal #5: The long term response of significant violations within a couple of years of receiving previous enforcement action. (NPMS Outcome Set 7)

Project Goal #6: The environmental improvements by regulated entities. Specifically, improvements resulting from enforcement action and/or compliance assistance tools and initiatives. (NPMS Outcome set 2 & 3)

\* NPMS Output/Outcome Sets in parentheses refer to EPA classifications

## **Baseline Inspections and Enforcement Results**

ARB and SCAQMD conducted inspections of 135 chrome plating facilities in calendar year 2000 to meet the following project goals:

Project Goal #1: To determine the number of sources and the percent of sources inspected within the rule category selected for the study. (NPMS Output Set 8)

ARB reviewed a list of all chrome plating facilities in the SCAQMD and determined that the total inventory of decorative and hard chrome platers in the SCAQMD was about 171. ARB's statistician conducted an analysis to determine the number of facilities which need to be inspected (sample size) to achieve the performance objective of 5% margin of error with a 95% confidence level. It was determined that 131 facilities needed to be inspected to meet the above criteria. ARB and District staff inspected 135 facilities and 128 facilities were conducting chrome plating or chromic acid anodizing at the time of the inspection.

Project Goal #2: To determine the level of compliance in the regulated population. (NPMS Outcome Set 1)

ARB and the SCAQMD conducted baseline inspections in calendar year 2000. Inspectors conducted a walk-through inspection of each facility and reviewed records for ampere-hours, surface tension measurements, inspection and maintenance of the air pollution control devices, and initial and ongoing compliance status reports. District inspectors collected chromic acid samples at some facilities and sent them to a laboratory for surface tension analysis. Sample results were returned to the District. Notices of Violation (NOVs) and Notices to Comply (NTCs) were issued by district inspectors subsequent to the inspections and sample analysis.

Twenty-eight (22%) of the 128 facilities inspected during the baseline study were in full compliance with District Rule 1469. See Appendix A for a detailed inspection summary.

Project Goal #3: To determine the number of notices issued and enforcement actions initiated and concluded for each study. (NPMS Output Set 9)

SCAQMD issued 25 Notices of Violation (NOVs) and 92 Notices to Comply (NTCs) during the baseline study. Penalties for facilities receiving NOVs in the baseline inspections ranged from \$500 to \$53,500. South Coast AQMD issued 4 NOVs and 15 NTCs during the follow-up study. See Appendix B for return to compliance dates and settlement amounts for facilities receiving violation notices during the baseline study.

*Notice of Violation (NOV) – This notice is generally associated with penalties and is issued when there is an emission related violation or substantial*



*non-compliance with the rule in terms of excess emissions. For example, control device not operating, non-compliance with surface tension requirement.*

*Notice to Comply (NTC) – This is generally not associated with penalties and is issued for minor procedural or administrative type violations. For example, minor lapses in record keeping or reporting requirements.*

Project Goal #4: To determine the response of significant violators. Specifically the average number of days for violators to return to compliance. (NPMS Outcome Set 6)

Most facilities achieved compliance with emission control requirements within a very short time after issuance of the NOV. Those facilities that could not achieve immediate compliance with emission control requirements applied for a variance or were issued an Order of Abatement by the South Coast AQMD Hearing Board. See Appendix B.

### **Actions Taken to Improve Compliance Rates**

Based upon the review of the quality of permits issued, inspection frequency maintained by South Coast AQMD, type of violations discovered during baseline inspections, size of typical facilities, and language barriers faced by owners/operators, ARB staff determined the following action items were needed to improve compliance rates among chrome plating facilities.

- Permit Quality – Permit conditions were updated by South Coast AQMD to reflect current requirements of District Rule 1469 and make the permits more user friendly.
- Inspection Frequency – As a result of the baseline chrome plating rule effectiveness study in year 2000, South Coast AQMD devoted more effort to ensure the AQMD goal that (at a minimum) all chrome platers are inspected on an annual basis. In May 2003, the South Coast AQMD's Governing Board further passed a resolution directing District staff to inspect, at least three times per year, small facilities that do not use HEPA systems and are located within 25 meters of sensitive receptors or residences or within 100 meters of existing schools.
- Compliance Assistance – ARB staff developed handbooks and recordkeeping forms in English and Spanish. These were distributed at the training classes and will also be made available by the District on its web site. See Appendix D & E. Chrome platers are typically small businesses operating without the benefit of onsite environmental staff. This makes them ideal candidates for compliance assistance and outreach initiatives. Our field experience had also revealed that many operators and some owners are not conversant in the

English language. Hence, the extra effort to provide training material in Spanish.

- **Training Classes** - Three classes were held at the SCAQMD in December 2002 and February 2003. Representatives of forty of the facilities inspected during the baseline inspections attended the class. In addition to the baseline group, another 14 facilities chose to attend the training classes. The class covered all District Rule 1469 and federal requirements. See Appendix F for a copy of the training material. A finding in this area is that in spite of wide publicity and personal phone calls to facilities, many operators decided not to attend the class. Of the approximately 188 facilities currently permitted in South Coast, only 54 facilities attended the training class. Statistics for the class attendees is given below:

Total Facilities Inspected in Baseline Group	128
Facilities Issued NOV	25
<i>Facilities Attending Class</i>	9
Facilities Issued NTC	74
<i>Facilities Attending Class</i>	21
Facilities in Full Compliance	28
<i>Facilities Attending Class</i>	10
Facilities Attending Class from Baseline Group	40
Other Facilities Attending Class	14
<b>Grand Total of Facilities Attending Class</b>	<b>54</b>

### **Follow-Up Inspections and Enforcement Results**

The second phase of inspections was conducted in March 2003. ARB and District staff visited the 128 facilities inspected during the baseline inspections. One hundred eighteen facilities were conducting chrome plating or chromic acid anodizing and ten were no longer in business. See Appendix C for a detailed inspection summary.

**Project Goal #5:** To determine the long-term response of significant violators (those receiving NOVs) within three years of receiving a previous enforcement action. (NPMS Outcome Set 7)

Of the 25 facilities that received NOVs in 2000 (See Appendix B), 21 facilities were in full compliance, two received NTC's, one received a NOV, and one facility was shut down. Only one facility (5% of the violators) had a new or recurrent significant violation (NOV) within three years of receiving a previous enforcement action.

**Project Goal #6:** To determine environmental improvements by regulated entities. Specifically, improvements resulting from enforcement action and/or compliance assistance tools and initiatives. (NPMS Outcome set 2 & 3)

Of the 118 facilities still conducting chrome plating or anodizing, 102 (86%) were in full compliance, 15 received an NTC and four received a NOV. See Appendix C. As the data illustrates, this is a major improvement and translates directly to increased public health protection.

<b><u>Data Points</u></b>	<b><u>2000</u></b>	<b><u>2003</u></b>
Facilities Inspected	128	118
Facilities In Full Compliance	28 (22%)	102 (86%)
NTCs Issued	92	15
NOVs Issued	25	4

### **Emission Testing among Selected Facilities**

The Monitoring and Laboratory Division of ARB conducted source tests at three decorative chrome plating facilities in the SCAQMD. Source testing for hexavalent chromium was performed at three facilities to obtain an estimate of emissions from facilities operating within the controls and guidelines required by federal law and local regulations. The table below summarizes the results obtained at three sites tested as part of this study.

#### **Hexavalent Chromium Emission Test Results From Three Decorative Chrome Plating Operations in the SCAQMD**

<b>Facility</b>	<b>Test Dates</b>	<b>Control System</b>	<b>Hexavalent Chromium Emissions (mg/amp-hr) (1)</b>
Excello	March 4-7, 2003	Polyballs Chemical Fume Suppressant (Surface Tension maintained below 45 dynes/centimeter)	0.0034 (average of two test runs)
Sigma	January 2003	Mist Eliminator HEPA Chemical Fume Suppressant (Surface Tension maintained below 45 dynes/centimeter)	0.0025 (average of three test runs)  Emissions after Mist Eliminator but before HEPA
Van Nuys	April 8-11, 2003	Chemical Fume Suppressant (Surface Tension maintained below 45 dynes/centimeter) Wet Scrubber	0.159 (average of three test runs)  Emissions before Wet Scrubber

(1) Emission Factors (mg/amp-hr) = Emission Rate (mg/hr) / Plating Tank Production Rate (amp/hr/hrs)

## **Lessons Learned**

An integrated approach involving a combination of permitting, increased inspection frequency, compliance assistance, and enforcement (when needed) contributed to the substantial improvement in compliance rates. It was beyond the scope of this study to determine the relative contribution of the above factors in improving the compliance rate of this source category.

## **Applicability to Other Rule Categories**

This type of study is resource intensive and requires interagency coordination. Not all facilities were receptive to training. The study is not suitable for source categories with a very small population base such as refineries or glass plants. Suggested rule categories that can benefit from this type of study are dry cleaners and gasoline dispensing facilities.

**Appendix A**  
Chrome Plating Baseline Inspection Results  
(Inspections Conducted in Calendar Year 2000)

The table that follows gives detailed information on the permit units inspected and the violations documented. Violations can be broadly divided into three categories: direct excess emission violations (DEEVs), emission-related violations (ERVs) and non-emissions related violations (NERVs).

Direct excess emission violations (DEEVs) occur when an emission standard is violated in the presence of an inspector based on visual observation, record review or sample analysis. Examples of DEEVs are: failure to install an add-on control device or not maintaining the surface tension of chromic acid solution below 45 dynes/centimeter.

Emission-related violations (ERVs) are violations that could result in excess hexavalent chromium emissions to the atmosphere. Examples of ERVs are: insufficient polyball coverage or foam blanket thickness, no water to a scrubber, exceeding the pressure drop across an add-on control device, failure to inspect and maintain the add-on control device, failure to measure surface tension, failure to add fume suppressant, missing or broken pressure drop gauges, ampere-hours meters not installed or not operating, and failure to keep critical records such as in-house surface tension analysis results, fume suppressant additions and operating parameters of add-on control equipment.

Non-emission related violations (NERVs) are administrative or procedural violations. Examples of NERVs are: failure to prepare or submit an initial or ongoing compliance status report, no operation and maintenance plan, ampere-hour meter not hard wired, incomplete records or failure to keep non-critical records such as source test results and outside laboratory results of surface tension analysis on-site and make them available to the District upon request.

# ARB/SOUTH COAST AQMD CHROME PLATING FACILITIES INSPECTION SUMMARY

(COV = Category of Violation: DEE = Direct Excess Emissions / ER = Emission-Related / NER = Non-Emissions Related)

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
AAA Plating (25087)	3/11/97	Chromic Acid Anodizing Tank (F8470)	N	In Violation	NER	1469(i)(2&3): no initial or ongoing compliance status report		57691
A & Z Grinding (114000)	6/3/98	Hard Chrome Tank (333748) Hard Chrome Tank (333750) CMP Scrubber (333747)		In Compliance In Compliance In Violation	NER NER NER	1469(h)(4)(B): log pressure drop weekly 1469(g): no OMP 1469(i)(3): no ongoing compliance status report		66611 66611 66611
Accu Chrome (5137)	2/27/97	Hard Chrome Tank #1 (P62764)	Y	In Violation	NER	1469(e)(4): no surface tension monitoring for first 20 days of operation		65212
		Hard Chrome Tank #2 (M09248)	Y	In Violation	NER	1469(e)(4): no surface tension monitoring for first 20 days of operation		65212
		Hard Chrome Tank #4 (P62768)	Y	In Violation	NER	1469(e)(4): no surface tension monitoring for first 20 days of operation		65212
		Hard Chrome Tank #5 (P62769)	Y	In Violation	NER	1469(e)(4): no surface tension monitoring for first 20 days of operation		65212
		Scrubber (P62767)	Y	In Violation	NER	1469(i)(2&3): no initial or ongoing compliance status reports		65212
					NER	1469(g): no OMP		65212
					NER	203(b): leaks in ductwork to scrubber		65212
						<b>Records provided during follow-up inspection</b>		
Ace Plating (18439)		(2) Decorative Chrome Tanks (F9732)	Y	In Violation	ER	203(a): modifying rectifiers without obtaining authorization	14248	
Advance Technical Plating (108552)	1/7/97	Decorative Chrome Plating Tank (Application #314810)	Y	In Violation	NER	203(a): submit tank flow chart		65198
					NER	42303: submit copies of proof of purchase of fume suppressant		65198
					NER	1469(i)(2&3): no initial or ongoing compliance plan		65198
					ER	1469(h)(4)(D): no surface tension records		65198
						<b>Records provided during follow-up inspection</b>		
A-H Plating (17812)	8/12/99	(3) Hard Chrome Tanks (M19267, M19268, M19269) Scrubber (D68411)		In Compliance				
				In Violation	NER NER NER	203(a): provide plot plan 1469(g): incomplete OMP 1469(i)(3): incomplete ongoing compliance status report		63767 63767 63767

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Aircraft Plating (6923)	3/6/97	Chromic Acid Anodizing Tank (D62491)	N	In Violation	NER NER NER NER	203(a): correct permit description 1469(e)(5): submit results of first 20 days of surface tension testing or retest 1469(i)(2&3): submit initial & ongoing compliance status reports 1469(e)(1): amp-hr meter not hard wired <b><i>Ampere-hour meter not hard wired but operational</i></b>		65140 65140 65140 65140
Aircraft X-Ray Labs (21321)	9/7/99	Chromic Acid Anodizing Tank (357573) CMP/HEPA Scrubber (357574)	Y Y	In Compliance In Violation	NER	1469(i)(2&3): no initial or ongoing compliance status report		65211
Alco Cad-Nickel Plating (4346)		Decorative Chrome Tank	Y	In Compliance				
All Gold & Chrome 3117 Halladay (125290)		Decorative Chrome Tank (No PTO)  Scrubber (No PTO)	N  N	In Violation  In Violation	NER NER NER NER NER NER NER NER NER NER NER	1469(g): no OMP 1469(i)(2&3): no initial & ongoing compliance status report 1469(h)(7): no plot plan 201: constructing equipment w/o permit 203(a): operating equipment w/o permit 1469(g): no OMP 1469(i)(2&3): no initial & ongoing compliance status report 1469(h)(7): no plot plan 201: constructing equipment w/o permit 203(a): operating equipment w/o permit <b><i>Facility not operating during inspection &amp; not operating during follow-up inspections</i></b>		63812 63812 63812 63812 63812 63812 63812 63812 63812 63812 63812
American Electroplating (6669)	10/1/96	Decorative Chrome Tank (P5061)	Y	In Violation	NER NER ER ER ER	1469(i)(2)/(3): no initial & ongoing compliance status reports 42303: submit proof of control efficiency of fume suppressant 1469(h)(4)(A): no amp-hr usage records 1469(h)(4)(E): no foam blanket thickness records 1469(h)(8): no records of foam additions <b><i>Records provided during follow-up inspection</i></b>	26614   26614	59446  59446 59446 59446
American Racing (62354)	3/26/97	Decorative Chrome Tank #1 (D43992)  Decorative Chrome Tank #2 (D43991)	Y  Y	In Violation  In Violation	DEE ER NER DEE NER NER	1469(c)(2): surface tension >45 dynes/cm 1469(h)(4)(D): no surface tension records 1/1/00 through 3/13/00 1469(i)(2&3): no initial & ongoing compliance status reports 1469(c)(2): surface tension >45 dynes/cm 1469(i)(2&3): no initial or ongoing compliance status reports 206: permit not posted <b><i>NTC issued for records and when not provided, NOV subsequently issued</i></b>	30710 30170  30710	65123  65121 65123 65121 65123



Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Anadite (8015)	8/11/00	Chromic Acid Anodizing Tank (F4087) Chromic Acid Anodizing Tank (F4088) Scrubber (D61736)	N N N	In Compliance In Compliance <i>In Compliance</i>				
Anaheim Plating (86444)	10/2/96	Decorative Chrome Tank (D70538) Scrubber (D70356)	Y Y	In Compliance In Violation	ER  NER NER	1469(e)(2)/203(b): magnehelic gauge broken 1469(g): no operation & maintenance plan 1469(i)(b): no source test report available <b><i>In compliance during follow-up inspection on 11/23/99. Installed/repared the gauges &amp; submitted the records</i></b>		57658  57658 57658
Anaplex (16951)	1/23/98	Chromic Acid Anodizing Tank (D62100)	N	In Violation	NER	1469(i)(2): no initial compliance status report		57692
Angelus Plating Works (6842)	10/29/99	Decorative Chrome Tank (P02203)	Y	In Violation	NER  NER NER	1469(e)(4): failure to monitor surface tension measurements for first 20 days of operation 1469(e)(5): failure to monitor foam blanket thickness for first 15 days of operation 1469(i)(2&3): no initial & ongoing compliance status reports In compliance with weekly surface tension & daily foam thickness recordkeeping. NTC issued to restart daily recordkeeping of surface tension & hourly recordkeeping of foam blanket thickness if surface tension exceeds 45 dynes/cm & foam thickness drops below the standard. In compliance during follow-up inspection		59429  59429 59429
Ano D' Art Inc (110642)	5/8/98	Chromic Acid Anodizing Tank (F21825)  Chromic Acid Anodizing Tank (F4451)	Y  N	In Violation  In Violation	NER  NER ER	1469(e)(5)/(h)(4)(D): surface tension not measured or recorded daily for 20 days 1469(e)(6): foam blanket thickness not measured hourly for 15 days 1469(i)(2&3): no initial or ongoing compliance status report 1469(e)(7): insufficient polyball coverage <b><i>Records provided during follow-up inspection</i></b>		65202
Anodyne (7011)	10/28/98	Chromic Acid Anodizing Tank (D73630)	Y	In Violation	NER  NER NER	203(b): using a rectifier larger than described on the permit to operate 1469(e)(4)/(h)(4)(D): not measuring or recording surface tension for first 20 days of operation 1469(i)(2&3): no initial or ongoing compliance plan <b><i>Records submitted during follow-up inspection</i></b>		65208  65208 65208

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Artistic Plating (99249)	3/2/00	Decorative Chrome Tank (D78809)	Y	In Violation	NER	1469(i)(2&3): no initial or ongoing compliance status report		63811
		Scrubber (D78811)	Y	In Violation	NER	1469(i)(2&3): no initial or ongoing compliance status report		63811
Artistic Silver Plating (55661)	2/14/97	Decorative Chrome Tank (D68478)	N	In Violation	ER	1469(h): no records of amp-hrs, surface tension or fume suppressant additions since 1/1/99	30714	65126
					NER	1469(i)(2&3): no initial or ongoing compliance status reports <b>NC issued for records and when not provided, NOV subsequently issued</b>		65126
Astro Chrome (21735)		Decorative Chrome Tank (357553)	Y	In Violation	NER NER	203(a): plot plan for tanks 1469(i)(3): no ongoing compliance status report		62600 62600
Barry Avenue Plating (13618)		Trivalent Decorative Chrome Tank (No PTO)		In Violation	ER	203(a): no permit to operate	14247	56637 56637
		Chromic Acid Anodizing Tank		In Violation	NER NER	1469(i)(2&3): no initial comp status report 1469(e)(2): amp-hr meter not hard wired <b>Ampere-hour meter present &amp; operating but not hard wired</b>		
Brite Plating (42645)	2/20/97	Decorative Chrome Tank (M45632)	Y	In Violation	ER ER NER	1469(f)(2): amp-hr meter not calibrated 1469(e)(5): no surface tension monitoring 1469(i)(2&3): no initial or ongoing compliance status reports	14250 14250	56648
Brothers Plating (44584)	10/3/96	Decorative Chrome Tank (M39847)	Y	In Violation	NER ER NER ER NER ER NER	1469(h)(4)(A): 5 days w/o amp-hr records 1469(e)(6): not measuring foam blanket 1469(h)(4)(A): no initial amp-hr readings 1469(h)(8): no Dis-Mist addition records 1469(e)(2): amp-hr meter not hard wired 1469(e)(6): foam blanket < 1” 1469(g): no operation & maintenance plan <b>Records provided during follow-up inspection</b>		63774 63774 63774 63774 63774 63774 63774
Brown International (011320)	10/16/96	Hard Chrome Tank (D98116)	N	In Compliance		1469(g): no OMP 1469(i)(2&3): no initial or ongoing compliance status report 1469(h)(1): no scrubber inspection record 203(b): records not kept in district approved format <b>Records provided during follow-up inspection</b>		62613 62613 62613 62613
		Hard Chrome Tank (A/N 336100)	N	In Compliance				
		Hard Chrome Tank (A/N 336101)	N	In Compliance				
		CMP/HEPA (A/N 330545)	N	In Violation	NER NER  ER NER			

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Bronzeway Plating (11174)	10/9/98	Decorative Chrome Tank (M43496)	Y	In Violation	NER NER	1469(i)(2): no initial comp status report 469(h)(4)(A): no daily amp-hr logs from 6/7/99 to present		56624 56624
		Trivalent Decorative Chrome Tank	N	In Violation	NER	1469 (h)(4)(D): no surface tension measurement logs from 6/7/99 to present 1469(i)(2): no initial compliance plan		56624 56624
Bumper Shop (25134)	10/28/99	Decorative Chrome Tank (M26042)		In Violation	ER ER NER NER	1469(e)(5): no surface tension monitoring 1469(h)(4)(A): no amp-hr records 203(a): provide facility plot plan 206: post permits to operate <b>Records submitted during follow-up inspection</b>		63766 63766 63766 63766
CPPG, Inc. (107644)	1/7/00	Hard Chrome Tank #2 (D96570)	Y	In Violation	NER	1469(i)(2&3): no initial or ongoing compliance status reports		57689
		Hard Chrome Tank #3 (D96571)	Y	In Violation	NER	1469(i)(2&3): no initial or ongoing compliance status reports		57689
		Hard Chrome Tank #1 (D96572)	Y	In Violation	NER	1469(i)(2&3): no initial or ongoing compliance status reports		57689
		Scrubber (D96569)	Y	In Violation	NER	1469(g): no OMP		57689
Cal Bumper (8724)	3/5/97	Decorative Chrome Tank (M10159)	N	In Violation	NER	1469(e)(5): not monitoring surface tension for first 20 days of operation	30712	
					ER	1469(e)(5)/(h)(4)(D): not monitoring or recording surface tension	30712	
					NER	1469(i)(2&3): no initial or ongoing compliance status report	30712	
California Electroplating (99249)	11/7/96	Decorative Chrome Tank (M24935) Decorative Chrome Tank (M09153)	Y Y	In Compliance In Compliance				
Cal Tron (1953)	9/21/99	Decorative Chrome Tank (D68084)	Y	In Violation	NER	1469(h)(4)(D): submit copies of surface tension monitoring for May - August 2000		57684
		Decorative Chrome Tank (M23971)	Y	In Violation	NER	1469(h)(4)(D): submit copies of surface tension monitoring for May - August 2000		57684
		Decorative Chrome Tank (M23972)	Y	In Violation	NER	1469(h)(4)(D): submit copies of surface tension monitoring for May - August 2000		57684
Central Plating (11879)	10/8/96	Decorative Chrome Tank (P24130)	Y	In Violation	NER	1469(e)(4): surface tension not checked for first 20 days and weekly thereafter	26613	
					ER	1469(e)(5)(h)(4)(D): failure to measure & record surface tension since 12/8/99	26613	
					NER	1469(i)(2)/(3): no initial & ongoing compliance status reports	26613	
Century Plating (118909)	2/10/00	Decorative Chrome Tank (App #351839)	Y	In Violation	NER NER	1469(e)(1): amp-hr meter not hard wired 1469(i)(2&3): no initial or ongoing compliance status reports		57690 57690
		Air Filter Custom (App #351840)	Y	In Compliance				
Certified Process Labs (98311)	3/27/97	Chromic Acid Anodizing Tank (D75674)	Y	In Compliance				

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Christensen Plating Works (18460)	5/7/00	Decorative Chrome Tank (M21942)	Y	In Compliance				
Chromal Plating (6616)	10/20/98	Hard Chrome Tank/Scrubber (D72338) Hard Chrome Tank/Scrubber (A05983) Hard Chrome Tank/Scrubber (P54318) Hard Chrome Tank/Scrubber (P54476) Hard Chrome Tank/Scrubber (P54477) Hard Chrome Tank/Scrubber (A05985) Hard Chrome Tank/Scrubber (A05986)	Y N Y Y Y Y Y	In Compliance In Violation In Compliance In Compliance In Compliance In Compliance In Compliance	NER	203(a): operating with expired permit <b><i>In compliance on 1/13/00. Facility was paying fees on an expired/duplicate permit for the same tank</i></b>		56626
Chromplate (13844)	3/27/97	Hard Chrome Tank (321458)  Hard Chrome Tank (321457)  Scrubber (P19637)	N  N  Y	In Violation  In Violation  In Violation	NER  NER  NER	1469(e)(5)/(h)(4)(D): provide proof of surface tension testing for first 20 days of operation 1469(i)(2&3): no initial or ongoing compliance status report 1469(e)(5)/(h)(4)(D): provide proof of surface tension testing for first 20 days of operation 1469(i)(2&3): no initial or ongoing compliance status report 1469(k)(1): failure to request approval of an alternative requirement, i.e., exhaust system tested without scrubber using Fumetrol 140 only		65209  65209  65209  65209
Coast Plating (112968)	3/4/98	Chromic Acid & Sulfuric Acid Anodizing Line (F15247)  Chromic Acid Anodizing Line (F15248)	N  N	In Violation  In Violation	NER NER NER NER	203(a): correct equipment description 1469(e)(5): failure to check surface tension weekly 203(a): correct equipment description 1469(e)(5): failure to check surface tension weekly <b><i>Surface tension checked at 6-12 day intervals. All tests were &lt; 45 dynes/cm</i></b>		65132 65132  65132 65132
Coast Plating (21593)	4/29/98	Aluminum Anodizing Line (D73962)  Anodizing Tank (D43315)	Y  Y	In Violation  In Violation	NER NER NER	203(a): submit tank flow chart 1469(i)(3): submit ongoing compliance status report 1469(h)(4): submit amp-hr records May through December 1999		65131 65131  65131
Composite Structures (111464)	1/14/97	Chrome Anodizing Tank (F5935)  Scrubber Venting Anodizing Tank (F6229)  Chrome Anodizing Tank (F5949)  Scrubber Venting Anodizing Tank (F6228)  Alodining Line (F5939)	N  Y  N  Y  N	In Violation  In Violation  In Violation  In Violation  In Violation	NER  NER  NER  NER NER	1469(i)(2&3): no initial or ongoing compliance status report 1469(g): no OMP 1469(i)(2&3): no initial or ongoing compliance status report 1469(i)(2&3): no initial or ongoing compliance status report 1469(g): no OMP 1469(i)(2&3): no initial or ongoing compliance status report 1469(i)(2&3): no initial or ongoing compliance status report		62617  62617 62617  62617  62617 62617

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Composite Structures (Continued)		Scrubber Venting Alodining Line (F6906)	Y	In Violation	NER NER	1469(g): no OMP 1469(i)(2&3): no initial or ongoing compliance status report		62617 62617
Consolidated International Automotive (47749)	3/3/00	Decorative Chrome Tank (F32224)	N	In Violation	ER ER NER	1469(h)(4)(A): no amp-hr records 1469(h)(4)(D): no surface tension records 1469(i)(2&3): no initial or ongoing compliance status reports		65215 65215
		HEPA Dust Collector (F2225)	Y	In Violation	NER	1469(g): no OMP <i>Existing records not available during initial visit. Records provided during follow-up inspection on 10/24/00</i>		65215
Control Plating (9547)	4/3/97	Decorative Chrome Tank (M09097)	Y	In Compliance				
Crown Chrome Plating (70220)	3/2/00	Hard Chrome Tank (360165)	Y	In Violation	NER	1469(i)(2): no initial comp status report		63804
		Hard Chrome Tank (360167)	Y	In Violation	NER	1469(i)(2): no initial comp status report		63804
		Scrubber (360166)	Y	In Violation	ER ER	1469(e)(4): no inlet velocity pressure gauge 203(b): repair plastic line in scrubber		63804 63804
						<i>In compliance during follow-up inspection on 10/31/00. Installed the gauge, repaired the scrubber line &amp; submitted the reports</i>		
Crown City Plating (18648)	5/8/98	Decorative Chrome Tank/Scrubber (M19936)	Y	In Compliance				
		Decorative Chrome Tank/Scrubber (M48906)	Y	In Compliance				
		Decorative Chrome Tank/Scrubber (P00795)	Y	In Compliance				
		Decorative Chrome Tank (A02167)	Y	In Compliance				
		Decorative Chrome Tank/Scrubber (032150)	Y	In Compliance				
DNR Industries (82730)	8/11/99	Small Hard Chrome Tank (F20629)	Y	In Violation	NER ER ER DEE	1469(e)(1): amp-hr meter not hard wired 1469(h)(4)(A): no amp-hr records 1469(h)(4)(D): no surface tension records 1469(c)(1)(C): surface tension >45 dynes/cm <i>Ampere-hour meter present &amp; operating but not hard wired. Records provided during follow-up inspection</i>	25814	57665 57665 57666
DV Industries (23850)	8/1/00	Chromic Acid Anodizing Tank (F31370)	N	In Compliance				
		Chromic Acid Anodizing Tank (F31371)	Y	In Compliance				
Del Rey Chrome (18234)		Decorative Chrome Tank (APP #334911)	Y	In Violation	ER ER ER NER NER	1469(h)(4)(D): no surface tension log 1469(h)(8): no fume suppressant log 1469(h)(4)(A): no amp-hr log for 1/99 1469(g): no operation/maintenance plan 206: permit not posted <i>Facility Provided Logs</i>		60790 60790 60790 60790

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Dixon Hard Chrome (12748)	10/6/98	Hard Chrome Tank #1 (D51325)	Y	In Violation	NER	203(a): provide plot plan/label totalizers		63803
					NER	1469(i)(2): no initial compliance report		63803
					NER	203(b): use District approved logs		63803
					NER	206: post permits to operate		63803
		Hard Chrome Tank #2 (D51326)	Y	In Violation	NER	203(a): provide plot plan/label totalizers		63803
					NER	1469(i)(2): no initial compliance report		63803
					NER	203(b): use District approved logs		63803
					NER	206: post permits to operate		63803
		Hard Chrome Tank #3 (D51327)	Y	In Violation	NER	203(a): provide plot plan/label totalizers		63803
					NER	1469(i)(2): no initial compliance report		63803
					NER	203(b): used District approved logs		63803
					NER	206: post permits to operate		63803
		Hard Chrome Tank #4 (D51328)	Y	In Violation	NER	203(a): provide plot plan/label totalizers		63803
Dolphin Engineering (53963)	5/9/00				NER	1469(i)(2): no initial compliance report		63803
					NER	203(b): used District approved logs		63803
					NER	206: post permits to operate		63803
		Hard Chrome Tank #5 (D51329)	Y	In Violation	NER	203(a): provide plot plan/label totalizers		63803
					NER	1469(i)(2): no initial compliance report		63803
					NER	203(b): used District approved logs		63803
					NER	206: post permits to operate		63803
		Hard Chrome Tank #6 (A14095)	Y	In Violation	NER	203(a): provide plot plan/label totalizers		63803
					NER	1469(i)(2): no initial compliance report		63803
					NER	203(b): use District approved logs		63803
Domar Precision (23594)	11/6/98				NER	206: post permits to operate		63803
		Scrubber #1 (P28523)	Y	In Violation	NER	1469(g): no OMP		63803
		Scrubber #2 (P28526)	Y	In Violation	NER	1469(g): no OMP		63803
		Scrubber #3 (P28527)	Y	In Violation	NER	1469(g): no OMP		63803
					NER			63803
Dolphin Engineering (53963)	5/9/00	Decorative Chrome Tank (D71367)	N	In Violation	DEE	1469(c)(2): surface tension > 45 dynes/cm		57697
					NER	1469(h)(4): submit records of surface tension & ampere-hour usage 1/1-11/6/00 <b>Sample shows surface tension &lt; 45 dynes/cm. Facility submitted records</b>		57697
Domar Precision (23594)	11/6/98	(3) Hard Chrome Tanks (A16504, P47286 & P18671) vented to Mist-Eliminator & Wet Scrubber (D98061)	Y	In Violation	ER	1469(e)(3): pressure drop across scrubber is 6.8" water column & exceeds 5" water column limit by >1"	26620	59438
					ER	1469(e)(2): failure to monitor pressure drop across fiber bed mist eliminator	26620	
					NER	1469(i)(2&3): no initial & ongoing compliance status reports	26620	59438
					ER	1469(h)(4)(A): no amp-hr records		59438
					ER	1469(f)(1): failure to comply with inspection & maintenance requirements	26620	
					NER	1469(g)(1): no OMP	26620	
					ER	1469(h)(1): no fiber bed mist eliminator inspection records	26620	
						<b>Records submitted during follow-up inspection</b>		

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
EME (45938)	7/9/9	Chromic Acid Anodizing Tank (D72402)	Y	In Violation	NER DEE  NER NER	1469(e)(1): amp-hr meter not hard wired 1469(c)(2): failure to control chromium emissions to the atmosphere 1469(g): no OMP 1469(i)(2&3): no initial or ongoing compliance status report	30711 30711  30711 30711	
Electrolizing (7978)		Hard Chrome Tank (F4345) with Merlin Hood & Mesh-Type Filter	Y	In Violation	NER	1469(i)(3): no ongoing comp status report		56639
Electronic Chrome Grinding (10005)		Hard Chrome Tank #1 & 2 (D03064) Hard Chrome Tank #3 (P52717) Hard Chrome Tank #4 (M35675) Hard Chrome Tank #5 (P55637) Hard Chrome Tank #7 (M35674) Hard Chrome Tank #8 (M13181) Scrubber (F19805)	N Y Y N N N Y	In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance				
El Monte Plating (4119)	1/20/98	Decorative Chrome Tank (M21968)	N	In Violation	NER  NER	1469(e)(5)/(h)(4)(D): provide proof of surface tension testing for first 20 days of operation & weekly thereafter 1469(i)(2&3): provide copies of initial & ongoing compliance status reports		65138  65138
Embee Plating (8570)		Hard Chrome Tank (F17952) Hard Chrome Tank (F17954) Hard Chrome Tank (F17953) Hard Chrome Tank (F17952) Hard Chrome Tank (D33323) Hard Chrome Tank (D33322) Hard Chrome Tank (D33321) Hard Chrome Tank (D33324) Hard Chrome Tank (D33325) Chromic Acid Anodizing Tank (D91835) CMP Scrubber (F22321)	Y Y Y Y Y Y Y Y Y Y Y	In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Violation	          NER			60804
Excello Plating (9895)	1/8/97	Scrubber (D43810)  Hard Chrome Tank (036292)  Decorative Chrome Tank (033570) Hard Chrome Tank (036291) Hard Chrome Tank (036295)  Hard Chrome Tank (036296)	Y  N  N N N  N	In Violation  In Violation  In Compliance In Compliance In Violation  In Compliance	NER NER  NER  NER NER  NER NER	1469(g): no operation/maintenance plan 1469(g): no operation & maintenance plan 1469(i)(2&3): no initial & ongoing compliance status report 1469(i)(2&3): no initial & ongoing compliance status report 1469(h): records incomplete 206(a): current permits not posted  1469(i)(2&3): no initial & ongoing compliance status report 1469(h): records incomplete 206(a): current permits not posted		62618 62618  62618 62618 62618  62618 62618

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Excello Plating (Continued)		Chromic Acid Anodizing Tank (D43811)	N	In Violation	NER NER NER	1469(i)(2&3): no initial & ongoing compliance status report 1469(h): records incomplete 206(a): current permits not posted		62618  62618 62618
Gardena Specialized (22880)	12/3/97	Chromic Acid Anodizing Tank (D71371)	Y	In Violation	ER  ER  NER	1469(e)(5)/(h)(4)(d): failure to measure & record surface tension 1469(f)(2)/(h)(2): failure to inspect stalagmometer & keep records of inspections 1469(i)(2&3): failure to submit initial & ongoing compliance status reports	26606  26606  26606	   59416
Gary's Grinding & Hard Chrome (49388)	6/23/00	(4) Hard Chrome Tanks	Y	In Violation	DEE	1469(c)(1): no add-on control device	26222	
Grant Piston Rings (63252)	4/28/99	Hard Chrome Tank #1 (F16420)	N	In Violation	ER	1469(h)(4)(A): no amp-hr records		54770
		Hard Chrome Tank #2 (F16422)	Y	In Violation	NER	1469(i)(2): no initial comp status report		54770
		Hard Chrome Tank #3 (F16423)	N	In Violation	ER	1469(h)(4)(A): no amp-hr records		54770
		Hard Chrome Tank #4 (F16424)	Y	In Violation	NER	1469(i)(2): no initial comp status report		54770
		CMP/HEPA Scrubber (F16216)	Y	In Violation	NER	1469(h)(4)(A): no amp-hr records 1469(i)(2): no initial comp status report 1469(g): no operation/maintenance plan <b>Records provided during follow-up inspection</b>		54770 54770 54770 54770
HWL Enterprises (6092)	12/16/97	Decorative Chrome Tank (F22801)	Y	In Violation	NER	1469(i)(2&3): submit proof of submittal of initial compliance status report and ongoing compliance status report		65204
		Decorative Chrome Tank (F22800)	Y	In Violation	NER NER NER	42303: submit info regarding change of ownership to see if new PTO's are required 203(a): determine if PTO's are transferable 1469(i)(2&3): submit proof of submittal of initial compliance status report and ongoing compliance status report		65204 65204 65204
		Decorative Chrome Tank (F18453)	Y	In Violation	NER NER NER	42303: submit info regarding change of ownership to see if new PTO's are required 203(a): determine if PTO's are transferable 1469(i)(2&3): submit proof of submittal of initial compliance status report and ongoing compliance status report		65204 65204 65204
					NER	42303: submit info regarding change of ownership to see if new PTO's are required 203(a): determine if PTO's are transferable		65204 65204
Hawker (40829)	11/14/97	Hard Chrome Tank #2 (M38201) Hard Chrome Tank #4 (M38202) Hard Chrome Tank #5 (M44527) CMP Scrubber (F13846)	Y Y Y Y	In Compliance In Compliance In Compliance In Compliance				



Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Highland (67757)	5/24/00	Black Decorative Chrome Tank (D43833) Hexavalent Dec Chrome Tank (D43832) Tri-Valent Dec Chrome Tank (D43831) Chrome Scrubber (D43826)	N N N Y	In Compliance In Compliance In Compliance In Compliance				
Hightower Plating (103703)	5/4/99	(3) Chromic Acid Anodizing Tanks (F21105) Composite Mesh Pad/HEPA Filter (F21106)	Y	In Violation In Violation	NER NER NER	1469(e)(1): amp-hr meter not hard wired 1469(g): no OMP 1469(i)(3): no ongoing compliance status report		65196 65196 65196
Hixson Metal Finishing (11818)	9/23/97	Chromic Acid Anodizing Tank (APP #339302) CMP Scrubber (S08152)	Y Y	In Compliance In Compliance				
Intermetro Industries (5830)	10/29/96	Decorative Chrome Tank (M50926)  PBS (M50925)	N  N	In Violation  In Violation	NER  NER NER	1469(i)(2&3): submit initial & ongoing compliance status report 1469(e)(3)(h)(4)(c): submit records of inlet velocity monitoring 1469(f)(1)(h)(1): submit records of PBS inspection & maintenance 1469(g)(1&3): submit OMP <b>Records provided during follow-up inspection</b>		65203  65203 65203 65203
J & M Anodizing (12051)	4/25/97	Chromic Acid Anodizing Tank (App # 322887)  CMP/HEPA Scrubber (App #314018)	Y  Y	In Violation  In Compliance	ER NER	1469(h)(4)(A): no ampere-hour records 1469/203(b): keep all records in AQMD approved format <b>Records provided during follow-up inspection</b>		62609 62609
Jan-Kens (03887)	1/21/98	Chromic Acid Anodizing Tank (D93965) Chromic Acid Anodizing Tank (343944)	N N	In Compliance In Compliance				
K & L Anodizing (236)	8/18/99	Chromic Acid Anodizing Tank (D74059)		In Compliance				
Kotoff & Company (23926)	6/24/97	Decorative Chrome Tank (D77136)	Y	In Violation	NER	1469(e)(6)/(h)(4)(E): failure to monitor & record foam blanket thickness <b>Foam blanket thickness in compliance during inspection</b>		59428
Kryler Corp (17168)	8/21/97	Hard Chrome Tank (F00538) Hard Chrome Tank (M43242) Hard Chrome Tank (S07772) CMP/FME Scrubber (APP #326821)	Y Y Y Y	In Compliance In Compliance In Compliance In Compliance				
Kwikset Corp (57329)	10/1/96	Decorative Chrome Tank (M60172) Scrubber (D78691)	N N	In Compliance In Compliance				
L & R Metal Finishing (3144)	10/4/96	Decorative Chrome Tank (M06649)		In Violation	ER NER NER	1469(e)(2): amp-hr meter disconnected 1469(e)(5): perform surface tension testing daily for 20 days and weekly thereafter 1469(i)(2&3): no initial or ongoing compliance status reports <b>Ampere-hour meter had loose connection - corrected during inspection. Records provided during follow-up inspection</b>		66613 66613 66613

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Leavitt's Metal Finishing (1767)	11/21/97	Decorative Chrome Tank (M18711) Decorative Chrome Tank (8562899)	N N	In Violation In Violation	NER NER	203(a): submit P/C application 203(a): submit P/O application		57685 57685
Lubeco (41229)	3/20/97	Chromic Acid Anodizing Tank (D90034)		In Violation	NER	1469(i)(3): no ongoing compliance status report		66614
Markland Mfg (107149)	5/8/98	Decorative Chrome Tank (APP #310951)	Y	In Compliance				
McDonnell Douglas (16660)	9/7/99	Chromic Acid Anodizing Tank (F22798) Chromic Acid Anodizing Tank (F17955) Hard Chrome Tank (D46263) Hard Chrome Tank Scrubber (D766372) Scrubber (D766373)		In Compliance In Compliance In Compliance In Compliance In Compliance				
Metal Surfaces (20280)	3/30/00	Black Decorative Chrome Tank (P57933)	N	In Compliance				
Microplate (12427)	6/6/97	Hard Chrome Tank #1 (P09419) Hard Chrome Tank #2 (P09413) Hard Chrome Tank #3 (P13631) Hard Chrome Tank #4 (P09415) Hard Chrome Tank #5 (P09414) Hard Chrome Tank #6 (P09412) Hard Chrome Tank #7 (P14480) Hard Chrome Tank #8 (P14337) CMP/HEPA Scrubber (335088)	N N Y N N Y N N Y	In Violation In Violation In Violation In Violation In Violation In Violation In Violation In Violation In Violation	NER NER NER NER NER NER NER NER NER	1469(e)(1): amp-hr meter not hard wired 1469(e)(1): amp-hr meter not hard wired 1469(e)(1): amp-hr meter not hard wired 1469(e)(1): amp-hr meter not hard wired 1469(e)(1): amp-hr meter not hard wired 42303: prove rectifier rating 42303: prove rectifier rating 42303: prove rectifier rating 1469(g)/(i)(1,2,3): submit proof of submittal of OMP, performance test, initial & ongoing compliance status reports	26636 26636 26636 26636 26636 26636 26636 26636 26636	65210 65210 65210 65210 65210 65210 65210 65210 65210
Mil-Spec Plating (19895)	10/24/96	Hard Chrome Tank #1/Scrubber (P41097)  Hard Chrome Tank #2/Scrubber (P41092)  Hard Chrome Tank #3/Scrubber (P41101)	Y  N  Y	In Violation  In Violation  In Violation	ER NER  ER NER  ER NER	203(b): no water to scrubber 1469(i)(2&3): submit initial & ongoing compliance status reports 203(b): no water to scrubber 1469(i)(2&3): submit initial & ongoing compliance status reports 203(b): no water to scrubber 1469(i)(2&3): submit initial & ongoing compliance status reports	26607  26607  26607	59417 59417 59417 59417
Model Plating (12643)	8/26/98	Decorative Chrome Tank (P07315)    Trivalent (Black) Decorative Chrome Tank (M29252)	N   N	In Violation   In Violation	ER ER NER ER NER DEE NER ER ER	1469(e)(5): no surface tension measurements since 11/22/99 1469(h)(4)(D): no records of fume suppressant additions 1469(i)(2)/(3): failure to submit copies of initial & ongoing compliance status reports 1469(h)(4)(D): no records of fume suppressant additions 1469(i)(2&3): failure to submit copies of initial & ongoing compliance status reports 1469(c)(2): surface tension > 45 dynes/cm 1469(e)(1): amp-hr meter not hard wired 1469(h)(4)(A): no amp-hr usage records 1469(e)(5): no surface tension testing	26612 26612 26612 26612 26612 26612 26612 26612 26612	59427 59427 59427 59427 59427

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Modern Plating (9793)	2/26/98	Decorative Chrome Tank #19 (P56427)	Y	In Violation	ER	203(b): holes in ductwork from tank to scrubber	26608	59418
		Scrubber (M46528)	Y	In Violation	NER	1469(e)(1): amp-hr meter not hard wired	26608	
					NER	1469(h)(4)(A)/(D): records of amp-hrs & surface tension not available	26608	
					ER	1469(e)(2)/(3): no pressure drop gauges	26608	
		Decorative Chrome Tank #39 (P15768)	N	In Violation	ER	1469(f)(1): no inspection & maintenance of scrubber	26608	
					ER	1469(h)(1): no records of scrubber maintenance	26608	
					NER	1469(i)(1): performance test not reported to District	26608	
		Scrubber (M10442)	N	In Violation	ER	203(b): holes in ductwork from tank to scrubber	26608	
					NER	1469(h)(4)(A)/(D): records of amp-hrs & surface tension not available during inspection	26608	
					ER	1469(e)(2)/(3): no pressure drop gauges	26608	
					ER	1469(f)(1): no inspection & maintenance of scrubber	26608	
Moog (102334)	12/4/98	Hard Chrome Plating Line (F21941)	N	In Compliance		203(a): correct equipment description		65129
		Hard Chrome Plating Tank #2T (F21942)	N	In Compliance				
		Hard Chrome Plating Tank #3T (F21943)	N	In Compliance				
		Hard Chrome Plating Tank #4T (F21944)	N	In Compliance				
		Air Pollution Control System (F22013)	Y	In Compliance				
		Chrome Anodizing Line #1 (F21940)	N	In Violation	NER			
Morell's Electro Plating (18986)	7/10/98	Chromic Acid Anodizing Tank (D74796)	Y	In Violation	ER	1469(e)(5)/(h)(4)(D): surface tension not tested or recorded		57687
		Chromic Acid Anodizing Tank (D74797)	Y	In Violation	ER	1469(e)(5)/(h)(4)(D): surface tension not tested or recorded <b>Records submitted during follow-up inspection</b>		57687
National O-Ring (107350)	10/30/97	Hard Chrome Tank (D96151)	N	Out of Service				
		Hard Chrome Tank (D96040)	N	Out of Service				
Orange County Plating (18414)	12/10/98	Decorative Chrome Tank (F9875)	Y	In Violation	ER ER	1469(h)(4)(A): no amp-hr records 1469(h)(8): no fume suppressant addition records <b>Records provided during follow-up inspection</b>		57668 57668

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Palm Springs Plating (80799)	10/10/98	Decorative Chrome Tank (D53322)	Y	In Violation	ER  ER  NER	1469(e)(4)(h)(4)(D): failure to measure & record surface tension for 20 days & weekly thereafter 1469(h)(8): no record of fume suppressant additions before or after 5/23/00 1469(i)(2)(3): no initial or ongoing compliance status reports submitted <b><i>In compliance during follow-up inspection on 6/8/01. Maintaining records of fume suppressant additions</i></b>	26638  26638	
Pamarco Pacific (20475)	4/24/00	Hard Chrome Tank (F31009) CMP/HEPA Scrubber (F31010)	N Y	In Compliance In Compliance				
PCA Metal Finishing (112584)	11/16/98	Decorative Chrome Tank (F7626) Decorative Chrome Tank (F7627)	Y N	In Compliance In Compliance				
PEMACO Metal Processing (19234)	12/3/96	Decorative Chromic Acid Anodizing Tank (M18953)	N	In Violation	DEE NER	1469(c)(2): surface tension >45 dynes/cm 1469(h)(2,4,8): records inadequate		62616 62616
Pennoyer-Dodge (24129)	2/25/97	Small Hard Chrome Tank (P34893)  Small Hard Chrome Tank (P34894)	N  N	In Violation  In Violation	NER NER  NER NER	1469(g): no OMP 1469(i)(2&3): no initial & ongoing compliance status report 1469(g): no OMP 1469(i)(2&3): no initial & ongoing compliance status report		63765 63765  63765 63765
Perfection (109464)	7/14/00	Decorative Chrome Tank (F19508) HEPA Filter (F19507)	Y Y	In Compliance In Violation	ER  NER NER	203(b): prefilter magnehelic gauge does not work 1469(g): submit OMP 1469(i)(2&3): submit initial & ongoing compliance status reports <b><i>In compliance during follow-up inspection on 3/23/01. Repaired scrubber gauge &amp; submitted OMP &amp; status reports.</i></b>		57699  57699 57699
Phylrich International (45249)	11/14/96	Decorative Chrome Tank (D90319)	Y	In Violation	NER DEE ER	1469(i)(2): no initial compliance plan 1469(c)(2): surface tension >45 dynes/cm 1469(e)(5)(h)(4)(d): failure to measure & record surface tension daily for 20 days & weekly thereafter	14239 14239 14239	
Plate Corp (88503)	5/4/99	Decorative Chrome Tank (D93054)  FME Scrubber (D93055)	N  N	In Violation  In Violation	ER ER ER	1469(h)(8): no fume suppressant log 1469(h)(4)(D): no surface tension log 1469(h)(2): no inspection/maintenance records <b><i>Records provided during follow-up inspection</i></b>		60814 60814 60814
Plato Production (61118)	8/12/96	Hard Chrome Tank (R-D34040)  Scrubber (R-D34050)	N  N	In Violation  In Compliance	NER	201/203(a): installed smaller rectifier w/o authorization		65118

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Ponam (78083)	2/25/97	Small Hard Chrome Tank (328233)		In Compliance				
Price Pfister (22808)	4/7/00	Decorative Chrome Tank (M09030)		In Violation	NER ER ER NER	1469(i)(2&3): no initial/ongoing comp rep 1469(h)(8): no fume suppressant log 1469(h)(4)(D): no surface tension log 203(b): not using District approved forms		63805 63805 63805 63805
		Scrubber (M09027)		In Violation	NER	1469(g): no OMP <b>Records provided during follow-up inspection</b>		63805
Prime Wheel (103736)	3/7/97	(2) Decorative Chrome Tanks (#64 & 65) vented to (2) HEPA filters	N	In Violation	DEE NER  ER NER ER  NER ER  ER	1469(c)(2): surface tension > 45 dynes/cm 1469(i)(2&3): no initial & ongoing compliance status reports 1469(h)(4)(A): no amp-hr records 1469(e)(1): amp-hr meters not hard wired 1469(f)(1): failure to comply with inspection & maintenance requirements 1469(g)(1): no OMP 203(a): installing an APC System without authority to construct 1469(h)(4)(B): failure to record pressure drop once a week	26619 26619  26619 26619  26619 26619  26619	59440 59440  59440
Product Engineering (117804)	Operating Under A/C	Hard Chrome Tank #1 (App #346794) Hard Chrome Tank #2 (App #346784) Hard Chrome Tank #3 (App #346786) Scrubber (App #346781)	Y Y Y Y	In Compliance In Compliance In Compliance In Violation	ER	203(b): pressure drop gauges not easily visible <b>In compliance during follow-up inspection on 12/19/00. Relocated the gauges</b>		65124
Progressive Custom Wheels (55221)	1/8/98	Decorative Chrome Tank #31 (A/N 315284) Decorative Chrome Tank #59 (A/N 338289) Decorative Chrome Tank #65 (A/N 346142) CMP/HEPA Filter (A/N 346143)	Y N Y Y	In Compliance In Compliance In Compliance In Violation	NER NER	203(b): differential pressure gauges broken 1469(d)(1): no source test performed after Tank #65 installed Facility out of business		57659 57659
Quaker (52525)	3/2/99	Trivalent Decorative Chrome Tank (D71370) Trivalent Decorative Chrome Tank (D02275) Trivalent Decorative Chrome Tank (M50928) Scrubber (D02276) venting (M50928)	Y Y Y Y	In Compliance In Compliance In Compliance In Compliance				
Re-Bilt Metalizing (106019)	5/10/00	Hard Chrome Tank #1 (F32992) Hard Chrome Tank #2 (F32991) HEPA Filter (F32993)	Y Y Y	In Compliance In Compliance In Violation	NER ER NER	1469(g)(1): no OMP 1469(h)(1): no insp/maintenance records 1469(i)(3): no ongoing comp status report <b>Records submitted during follow-up inspection</b>		57696 57696 57696

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Rubin's Pacesetter (1907)		Decorative Chrome Tank (No PTO)	Y	In Violation	ER ER ER ER	203(a): no permit to operate 1469(e)(1): no amp-hr meter 1469(h)(4)(A): no amp-hr records 1469(h)(4)(D): no surface tension records	14244 14244 14244 14244	
S & S Polishing & Plating (18670)	10/1/98	Decorative Chrome Tank (S0506655)	Y	In Violation	DEE NER NER ER	1469(c)(2): surface tension > 45 dynes/cm 1469(i)(2): no initial comp status report 1469(g)(1): no OMP 1469(e)(7): insufficient polyball coverage	25815	57667 57667 57667
Sal's Plating (52142)		Decorative Chrome Tank (F14458)	Y	In Violation	ER ER	203(a): altering chrome plating line 1469(e)(5)/(h)(4)(D): failure to measure & record surface tension	14245	56633
Santa Ana Plating (44639)	11/7/96	Decorative Chrome Tank (M40540)	Y	In Violation	NER ER ER NER	1469(e)(1): amp-hr meter not hard wired 1469(h)(4)(A): no amp-hr records 1469(h)(4)(D): no surface tension records 206: permit not posted <b><i>Ampere-hour meter present &amp; operating but not hard wired. Records provided during follow-up inspection</i></b>		57664 57664 57664 57664
Service Plating (24240)	12/16/97	Hard Chrome Tank #1 (M11647)	Y	In Violation	ER NER NER	1469(h)(4)(D): no surface tension records 1469(i)(2&3): no initial/ongoing comp reps 1469(c)(2): provide proof of date when use of Fumetrol 140 began	26637 26637 26637	65185 65185 65185
		Hard Chrome Tank #2 (011747)	Y	In Violation	NER ER NER NER	1469(e)(1): only one amp-hr meter installed 1469(h)(4)(D): no surface tension records 1469(i)(2&3): no initial/ongoing comp reps 1469(c)(2): provide proof of date when use of Fumetrol 140 began	26637 26637 26637 26637	65185 65185 65185 65185
		Hard Chrome Tank #4 (010173)	Y	In Violation	ER NER	1469(h)(4)(D): no surface tension records 1469(i)(2&3): no initial/ongoing comp reps	26637 26637	65185 65185
		Scrubber (M30475)	N	In Violation	NER	1469(c)(2): provide proof of date when use of Fumetrol 140 began	26637	65185
		Scrubber (M11648)	N	In Violation	NER	1469(i)(1): submit copy of source test & proof of when scrubber disconnected <b><i>Facility did not comply with NTC by 9/22/00 and was issued a NOV on 10/4/00. Records provided during follow-up inspection on 10/14/00</i></b>	26637	65185
Sigma (48323)	10/15/96	Dec Auto Hoist Plating Line (App #340654)	Y	In Compliance				
		Scrubber (Application #334123)	Y	In Violation	ER	203(b): exceeded pressure drop across prefilters (within 10% of permit limit)		65120
		Dec Manual Hoist Plating Line (F6104)	Y	In Violation	ER  NER  NER	1469(h)(4)(D): no fume suppressant log (automatic feeding of fume suppressant) 1469(e)(5): restart 20 day surface tension monitoring when > 45 dynes/cm 1469(i)(2&3): provide initial & ongoing compliance status reports In compliance during follow-up inspection on 7/17/00		65119  65119  65119

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Size Control (12213)	11/3/96	Hard Chrome Plating Tank #1 (M16999)	N	In Violation	NER NER	203(a): correct equipment description 1469(i)(3): no ongoing compliance status report		65128 65128
		Hard Chrome Plating Tank #2 (M12698)	N	In Violation	NER NER	203(a): correct equipment description 1469(i)(3): no ongoing compliance status report		65128 65128
		Hard Chrome Plating Tank #3 (M62278)	N	In Violation	NER NER	203(a): correct equipment description 1469(i)(3): no ongoing compliance status report		65128 65128
		Hard Chrome Plating Tank #4 (M12651)	N	In Violation	NER NER	203(a): correct equipment description 1469(i)(3): no ongoing compliance status report		65128 65128
		Hard Chrome Plating Tank #5 (M12652)	Y	In Violation	NER NER	203(a): correct equipment description 1469(i)(3): no ongoing compliance status report		65128 65128
		Hard Chrome Plating Tank #6 (M17000)	Y	In Violation	NER NER	203(a): correct equipment description 1469(i)(3): no ongoing compliance status report		65128 65128
		Hard Chrome Plating Tank #7 (M16998)	N	In Violation	NER NER	203(a): correct equipment description 1469(i)(3): no ongoing compliance status report		65128 65128
		Air Pollution Control System (R-D 38665)	Y	In Violation	ER	1469(h)(8): no record of fume suppressant additions		65128
		Air Pollution Control System (D39019)	Y	In Violation	ER	1469(h)(8): no record of fume suppressant additions <i>Surface tension maintained &lt; 38 dynes/cm. Log of fume suppressant additions provided during follow-up inspection</i>		65128
South Bay Chrome (112518)	5/7/98	Decorative Chrome Tank (APP #328333) Dust Collector/HEPA Filter (APP #328331)	Y	In Compliance In Violation	NER	1469(g): no OMP		65197
			Y		NER	1469(h)(3): source test not available		65197
					NER	1469(i)(2&3): no initial or ongoing compliance status report		65197
					NER	42303: submit information on APC filter & plant lay-out		65197
Southwest Plating (9489)		Small Hard Chrome Tank (A05827)	N	In Violation	NER	1469(e)(5): monitor surface tension for 20 days & weekly thereafter		56634
					ER	1469(h)(4)(D): failure to record surface tension measurements		56634
					ER	1469(h)(8): failure to record chemical fume suppressant additions In compliance during follow-up inspection		56634
Spence Electro Plating (23025)	4/27/00	Decorative Chrome Tank (P47797)	Y	In Violation	NER	1469(i)(2): no initial compliance status report		63806
Steve's Plating (17098)	8/19/99	Trivalent Decorative Chrome Tank (D01792)	Y	In Violation	NER	1469(i)(2&3): initial/ongoing compliance status reports not submitted		62610

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Superior Plating (53995)	11/12/96	Decorative Chrome Tank (F008007)	Y	In Violation	ER NER ER NER	1469(e)(5)/(h)(4)(D): no surface tension measurements or records 1469(g): no OMP 1469(h)(8): no fume suppressant records 1469(i)(2&3): no initial or ongoing compliance status reports <b>Records provided during follow-up inspection</b>		62612  62612 62612 62612
Superior Plating (122798)		Chromic Acid Anodizing Tank (APP #368342) Hard Chrome Tank (APP #368348) Hard Chrome Tank (APP #368349)	N N N	In Compliance  In Compliance In Compliance				
Technical Metal Finishing (71645)	2/27/97	Chromic Acid Anodizing Tank (D71365)	N	In Violation	NER	1469(i)(2&3): no initial & ongoing compliance status report		
Teledyne Cast Parts (15842)	5/17/00	Chromic Acid Anodizing Tank (D36562) Scrubber (M17146)	N Y	In Compliance In Compliance				
Tool & Jig (105477)	11/12/97	Trivalent Decorative Chrome Tank (App #307064)	N	In Violation	NER	1469(i)(2): submit copy of initial compliance status report		65122
Ultra Wheel (100400)		Decorative Chrome Tank (APP #323878) Scrubber (APP #323878)	Y Y	In Violation In Violation	NER NER NER	206/301: permit not posted & fees not paid 206/301: permit not posted & fees not paid 1469(e)(2)/203(b): manometer line clogged <b>Facility blew out the line to clear it and the unit was in compliance prior to leaving the facility, but the NTC was already written</b>		60803 60803 60803
Universal Metal (39156)	11/22/96	Decorative Chrome Tank (M37998)	Y	In Violation	NER NER  ER  ER	1469(g)(1): no OMP in effect 1469(i)(2&3): no initial or ongoing compliance status reports 1469(e)(5)/(h)(4)(D): no surface tension monitoring or records 1469(h)(8): anti-mist additions not recorded <b>Records provided during follow-up inspection</b>		62611 62611  62611  62611
U.S. Chrome (12006)	3/6/97	Hard Chrome Tank #1 (P50781)  Hard Chrome Tank #2 (M24655) Hard Chrome Tank #3 (A13652)  Hard Chrome Tank #4 (P26424) Hard Chrome Tank #5 (P26425) Hard Chrome Tank #6 (M17024) Air Pollution Control System (F19709)	Y  N Y  N Y Y Y	In Violation  In Violation In Violation  In Violation In Violation In Violation In Violation	NER  NER NER  NER NER NER NER NER	1469(e)(1): 6,000 amp rectifier amp-hr meter not hard wired 203(a): correct equipment description 203(a): correct equipment description 1469(e)(1): 4,000 amp rectifier amp-hr meter not hard wired 203(a): correct equipment description 203(a): correct equipment description 203(a): correct equipment description 203(a): correct equipment description 203(b): copy of source test not available 1469(g): no operation & maintenance plan <b>Two of six ampere-hour meters not hard wired but all operating</b>		65127  65127 65127 65127  65127 65127 65127 65127 65127 65127



Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
U.S. Polestar (107290)	6/4/98	Hard Chrome Tank (311195) Hard Chrome Tank (311197) HEPA Dry Filter (311196)	N N N	In Compliance In Compliance In Violation	NER ER	1469(g): no OMP 1469(h)(4)(B): no weekly logs of pressure drop across filter <b><i>In compliance during follow-up inspection on 9/13/00. Record submitted</i></b>		65139 65139
Valley Plating (119254)		Decorative Chrome Tank (D81987)	Y	In Compliance				
Valley Plating (25304)		Trivalent Decorative Chrome Tank (App #348147)	Y	In Compliance				
Vanier Manufacturing (75785)	11/22/96	Decorative Chrome Plating Tank (Application No. 327052)	N	In Violation	NER ER  ER NER  NER	1469(e)(1): amp-hr meter not hard wired 1469(h)(4): no amp-hr or surface tension logs 1469(e)(5): no surface tension monitoring 1469(i)(2&3): no initial & ongoing compliance status report 206(a): permit not posted (district has not sent new copy – source only had ½ page old style permit to operate) <b><i>Records provided during follow-up inspection</i></b>		62615 62615  62615 62615  62615
Van Nuys Plating (13945)	10/17/96	Decorative Chrome Tank (A14217)		In Violation	NER NER NER	206: permit not posted 1469(g): no OMP 1469(i)(2&3): no initial or ongoing compliance status report		63769 63769 63769
Verne's Chrome (8172)	8/17/99	Decorative Chrome Tank (D45589)	N	In Violation	NER	1469(i)(3): no ongoing compliance status report		66612
Wally's Metal Polishing (7675)	10/1/96	Decorative Chrome Tank (M13706)	N	In Compliance				
West Coast Cylinder Works (110399)	11/29/97	Hard Chrome Tank #1 (F6080)          Hard Chrome Tank #2 (F5840)	N          N	In Violation          In Violation	ER DEE DEE ER  NER  ER ER DEE DEE ER  NER	203(b): exceeding annual amp-hr limit 1469(c)(2): surface tension >45 dynes/cm 1469(c)(1): no add-on control device 203(b): failure to record amp-hrs & surface tension; failure to conduct a performance test 1469(i)(2&3): no initial or ongoing compliance status report submitted 203(a)(b): operating 8 rectifiers 203(b): exceeding annual amp-hr limit 1469(c)(2): surface tension >45 dynes/cm 1469(c)(1): no add-on control device 203(b): failure to record amp-hrs & surface tension; failure to conduct a performance test 1469(i)(2&3): no initial or ongoing compliance status report submitted	30709 30709 30709 30709  30709  30709 30709 30709 30709 30709  30709	



Appendix B  
Compliance & Settlement Status of Significant Violators  
(from Baseline Inspections)

**South Coast AQMD**  
**Compliance & Settlement Status of Significant Violators (from Baseline Inspections)**

<b>Facility</b>	<b>NOV #</b>	<b>Date of Violation</b>	<b>Return to Compliance *</b>	<b>Date Settled</b>	<b>Settlement Amount</b>
Ace Plating	14248	2/16/00	9/14/00	11/29/00	\$1,875
American Electroplating	26614	2/16/00	10/26/00	8/02/01	\$3,000
American Racing	30710	7/13/00	7/26/00	10/11/01	\$18,000
Artistic Silver Plating	39714	8/1/00	11/2/00	10/16/01	\$1,250
Barry Avenue Plating	14247	2/15/00	3/17/00	4/12/01	\$12,500
Brite Plating	14250	3/10/00	4/4/00	12/8/00	\$6,600
Cal Bumper	30712	9/1/00	10/20/00	7/11/01	\$1,500
Central Plating	26613	2/15/00	9/13/00	3/13/01	\$2,500
DNR Industries	25814	1/10/00	3/17/00	2/18/01	\$5,000
Domar Precision	26620	2/17/00	9/14/00	4/17/01	\$17,500
EME	30711	8/31/00	10/25/00	4/02/02	\$25,000
Gardena Specialized	26606	11/17/99	10/26/00	10/24/00	\$8,500
Gary's Grinding & Hard Chrome	26222	11/17/99	Not operating	2/21/03	\$500
Microplate	26636	8/30/00	11/29/00	3/26/01	\$2,500
Mil-Spec Plating	26607	11/18/99	9/12/00	11/6/02	\$1,200
Model Plating	26612	1/18/00	9/12/00	9/04/00	\$2,500
Modern Plating	26608	11/19/99	5/31/00	1/31/01	\$17,000
Palm Springs Plating	26638	10/5/00	6/8/01	5/01/01	\$3,000
Phylrich	14239	11/17/99	8/23/00	12/19/00	\$53,500
Prime Wheel	26619	2/18/00	3/22/00	4/05/02	\$7,500
Rubin's Pacesetter Plating	14244	1/18/00	Not operating	4/27/01	\$3,000
S & S Polishing & Plating	25815	2/16/00	6/9/00	4/17/01	\$1,750
Sal's Plating	14245	1/20/00	2/9/00	10/29/03	\$7,500
Service Plating	26637	8/29/00	9/12/01	5/3/02	\$5,000
West Coast Cylinder Works	30709	7/12/00	9/14/00	Pending	Open

\* This is the date the South Coast AQMD inspector verified through an on-site visit that all compliance issues were resolved.

Appendix C  
Chrome Plating Follow-Up Inspection Results  
(Inspections Conducted March – April 2003)

The table that follows gives detailed information on the permit units inspected and the violations documented. Violations can be broadly divided into three categories: direct excess emission violations (DEEVs), emission-related violations (ERVs) and non-emissions related violations (NERVs).

Direct excess emission violations (DEEVs) occur when an emission standard is violated in the presence of an inspector based on visual observation, record review or sample analysis. Examples of DEEVs are: failure to install an add-on control device or not maintaining the surface tension of chromic acid solution below 45 dynes/centimeter.

Emission-related violations (ERVs) are violations that could result in excess hexavalent chromium emissions to the atmosphere. Examples of ERVs are: insufficient polyball coverage or foam blanket thickness, no water to a scrubber, exceeding the pressure drop across an add-on control device, failure to inspect and maintain the add-on control device, failure to measure surface tension, failure to add fume suppressant, missing or broken pressure drop gauges, ampere-hours meters not installed or not operating, and failure to keep critical records such as in-house surface tension analysis results, fume suppressant additions and operating parameters of add-on control equipment.

Non-emission related violations (NERVs) are administrative or procedural violations. Examples of NERVs are: failure to prepare or submit an initial or ongoing compliance status report, no operation and maintenance plan, ampere-hour meter not hard wired, incomplete records or failure to keep non-critical records such as source test results and outside laboratory results of surface tension analysis on-site and make them available to the District upon request.

## ARB/SOUTH COAST AQMD CHROME PLATING FACILITIES INSPECTION SUMMARY

(COV = Category of Violation: DEE = Direct Excess Emissions / ER = Emission-Related / NER = Non-Emissions Related)

~ Facilities listed in **bold type** attended a chrome plating training class ~

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
AAA Plating (25087)	6/21/02	Chromic Acid Anodizing Tank (F8470)	N	In Compliance				
<b>A &amp; Z Grinding</b> (114000)	2/21/03	Hard Chrome Tank (F41067) Hard Chrome Tank (F41068) HEPA (F41066)	Y Y Y	In Compliance In Compliance In Compliance				
<b>Accu Chrome</b> (5137)	2/20/03	Hard Chrome Tank #1 (P62764) Hard Chrome Tank #2 (M09248) Hard Chrome Tank #4 (P62769) HEPA (387424)	Y N Y Y	In Compliance In Compliance In Compliance In Compliance				
Ace Plating (18439)	10/22/02	Decorative Chrome Tank #1 w/FBME/PBS (F82392) Decorative Chrome Tank #2 w/PBS (D82391)	N N	In Compliance In Compliance				
Advance (Andres) Technical Plating (108552)	11/21/02	Decorative Chrome Plating Tank (F47648)	N	In Compliance				
<b>A-H Plating</b> (17812)	7/10/02	Hard Chrome Tank #1 (M19267) Hard Chrome Tank #2 (M19268) Hard Chrome Tank #3 (M19269) HEPA (D68411)		In Compliance In Compliance In Compliance In Compliance				
Aircraft Plating (6923)		Chromic Acid Anodizing Tank (F43518)	Y	In Compliance				
Aircraft X-Ray Labs (21321)	10/25/02	Chromic Acid Anodizing Tank (F45084) CMP/HEPA (F45085)	N N	In Compliance In Compliance				
Alco Cad-Nickel Plating (4346)	7/18/02	Decorative Chrome Tank (F56738) HEPA (F19857)	Y Y	In Compliance In Compliance				
All Gold & Chrome 3117 So. Halladay (125290)		All Gold & Chrome is out of business & their tanks were removed in June 2001. Gutierrez Manufacturing (a precision sheet metal shop) has occupied this building since March 2001.						
American Electroplating (6669)	8/27/02	Decorative Chrome Tank (P05061)	N	In Compliance				
American Racing (62354)	2/20/03	Decorative Chrome Tank #1 (F47779) Decorative Chrome Tank #2 (F47783)	Y Y	In Compliance In Compliance				
Anadite (8015)	12/17/02	Chromic Acid Anodizing Tank (F46586) Chromic Acid Anodizing Tank (F46587) CMP/HEPA (F46585)	N Y N	In Compliance In Compliance <i>In Compliance</i>				
Anaheim Plating (86444)	11/6/02	Decorative Chrome Tank (D70538) CMP (D70356)	Y Y	In Compliance In Compliance				
Anaplex (16951)		Chromic Acid Anodizing Tank (F53195)	Y	In Compliance				

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Angelus Plating Works (6842)	7/9/02	Decorative Chrome Tank (20411)	N	In Compliance				
Ano D' Art Inc (110642)	7/18/02	Ano D' Art is out of business. Facility is now Southwest Precision (a machine shop that does not plate or anodize parts)						
Anodyne (7011)	1/31/03	Chromic Acid Anodizing Tank (D73629)	N	In Compliance				
<b>Artistic Plating</b> (99249)	8/14/02	(3) Hand Line Decorative Chrome Tanks #24, 25, 26 (D78809)	Y	In Compliance				
		CMP/HEPA (D78811) vents tanks 24,25 & 26	Y	In Compliance				
		Hoist Line Decorative Chrome Tank (394185)	Y	In Compliance				
		Hoist Line Decorative Chrome Tank (394188)	Y	In Compliance				
		Hoist Line Decorative Chrome Tank (394193)	Y	In Compliance				
		CMP	Y	In Compliance				
Artistic Silver Plating (55661)	3/4/03	Decorative Chrome Tank (D68478)	N	In Compliance				
<b>Astro Chrome</b> (21735)		Decorative Chrome Tank (F50659)	Y	In Compliance				
Barry Avenue Plating (13618)	10/18/02	Trivalent Decorative Chrome Tank (367242)	Y	In Compliance				
		Chromic Acid Anodizing Tank (367241)	Y	In Compliance				
Brite Plating (42645)	2/21/03	Decorative Chrome Tank (M45632)	Y	In Compliance				
Brothers Plating (44584)	8/22/02	Decorative Chrome Tank (D29655)	Y	In Compliance				
<b>Brown International</b> (011320)	8/23/02	Hard Chrome Tank (F38388)	Y	In Compliance				
		Hard Chrome Tank (F38389)	Y	In Compliance				
		Hard Chrome Tank (F38390)	Y	In Compliance				
		CMP/HEPA (F38391)	Y	In Compliance				
<b>Bronzeway Plating</b> (11174)	1/14/03	Decorative Chrome Tank (M43496)	N	In Compliance				
		Trivalent Decorative Chrome Tank (F36187)	N	In Compliance				
Bumper Shop (25134)	6/6/02	Decorative Chrome Tank (F45285)	N	In Violation	NER	1469(i)(3): no ongoing compliance status report		84822
					NER	1469(g)(1): no OMP		84822
					NER	1469(h)(4)(A): incomplete ampere-hour records		84822
					ER	1469(h)(8): no fume suppressant records	29378	
					ER	1469(h)(4)(A): no amp-hr records	29378	
					ER	1469(h)(4)(D): no surface tension records	29378	
					DEE	1469(e)(5): exceeded 45 dynes/centimeter	29378	
CPPG, Inc. (107644)	2/26/03	Hard Chrome Tank #1 (D96572)	N	In Compliance				
		Hard Chrome Tank #2 (D96570)	N	In Compliance				
		Hard Chrome Tank #3 (F53002)	Y	In Compliance				
		FBME/HEPA (D96569)	Y	In Compliance				
Cal Bumper (8724)	3/4/03	Decorative Chrome Tank (M10159)	N	In Compliance				



Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
<b>California Electroplating</b> (9120)	8/8/02	Decorative Chrome Tank (M24935) Decorative Chrome Tank (M09153)	Y Y	In Compliance In Compliance				
Cal Tron (1953)	1/23/03	Black Chrome Tank (D68084)	Y	In Violation	NER ER ER	1469(i)(2&3): no initial or ongoing compliance status reports 1469(e)(4)(h)(4)(D): failure to monitor & record surface tension 1469(h)(8): failure to record mist suppressant additions	32897 32897 32897	85957
		Decorative Chrome Tank (M23971) Decorative Chrome Tank (M23972)	Y Y	In Compliance In Compliance				
<b>Central Plating</b> (11879)	2/20/03	Decorative Chrome Tank (R-P24130)	Y	In Compliance				
Century Plating (118909)		Century Plating is out of business. Facility is now Gorilla's Plating (132333).						
Certified Process Labs (98311)	4/20/01	This facility is now part of Multichrome/Microplate (129249) and does not plate or anodize.						
Christensen Plating Works (18460)	11/22/02	Decorative Chrome Tank (F45450)	Y	In Compliance				
Chromal Plating (6616)	9/25/02	Hard Chrome Tank #1 (R-A05985) Hard Chrome Tank #2 (R-A05983) Hard Chrome Tank #3 (R-A05986) Hard Chrome Tank #4 (R-D72338) Hard Chrome Tank #8 (R-P54318) Hard Chrome Tank #9 (R-P54476) Hard Chrome Tank #10 (R-P54477) HEPA (D72272)	Y Y Y Y Y Y Y Y	In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance				
<b>Chromplate</b> (13844)	8/1/02	Hard Chrome Tank (321457) Hard Chrome Tank (321458)	Y Y	In Compliance In Compliance				
Coast Plating (112968)		Chromic Acid & Sulfuric Acid Anodizing Line (R-F15247)	N	In Compliance				
Coast Plating (21593)	8/21/02	Anodizing Tank (D43315)	Y	In Violation	ER NER NER NER ER NER	203(b): monitoring surface tension weekly (condition #9c requires daily monitoring) 1469(i)(3): no ongoing compliance status report 206: permit not posted 1469(g)(1): no OMP 203(b): scrubber flow rate not monitored 206: permit not posted	84815 84815 84815 84815 84815 84815	84815
		PBS (D43318)	Y	In Violation				
Composite Structures (111464)	2/28/03	Chrome Acid Anodizing Tank #10 (F57082) CMP/HEPA (F56098)	N Y	In Compliance In Compliance				
Consolidated Foundaries (126536) <i>Formerly Teledyne Cast Parts (15842)</i>	1/3/03	Chromic Acid Anodizing Tank #17 (383372) Chromic Acid Anodizing Tank #25 (F38929) PBS (F39048) vents tank #25	Y N Y	In Compliance In Compliance In Compliance				

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Consolidated International Auto- motive (47749)		Facility stopped plating two years ago. Facility operates as a warehouse.						
<b>Control Plating</b> (9547)	7/19/02	Decorative Chrome Tank (M09097) CMP (F36592)	Y Y	In Compliance In Compliance				
Crown Chrome Plating (70220)	10/16/02	Hard Chrome Tank #8 (D77557) Hard Chrome Tank #14 (D77555) Hard Chrome Tank #20 (F44742) CMP/HEPA (F44741)	Y Y N Y	In Compliance In Compliance In Compliance In Compliance				
<b>Crown City Plating</b> (18648)	5/30/02	Decorative Chrome Tank/Scrubber (M19936) Decorative Chrome Tank/Scrubber (M48906) Decorative Chrome Tank/Scrubber (P00795) Decorative Chrome Tank (A02167) Decorative Chrome Tank/Scrubber (032150)	Y Y Y Y Y	In Compliance In Compliance In Compliance In Compliance In Compliance				
<b>DNR Industries</b> (82730)	12/3/02	Small Hard Chrome Tank (F20629)	N	In Compliance				
DV Industries (23850)	12/4/01	Chromic Acid Anodizing Tank (F31370) Chromic Acid Anodizing Tank (F31371)	N N	In Compliance In Compliance				
Del Rey Chrome (18234)	10/31/02	Facility shut down. Equipment still on-site but not in use.						
<b>Dixon Hard Chrome</b> (12748)	11/21/02	Hard Chrome Tank #1 (F42918)  Hard Chrome Tank #2 (F42919)  Hard Chrome Tank #3 (F42910)  Hard Chrome Tank #4 (F42921)  Hard Chrome Tank #5 (F42922)  Hard Chrome Tank #6 (F42923)  CMP/HEPA (386231) vents Tanks 1, 2 & 3 CMP/HEPA (386232) vents Tanks 4, 5 & 6	N  N  N  N  N N	In Violation  In Violation  In Violation  In Violation  In Violation In Compliance In Compliance	NER  NER  NER  NER  NER	1469(i)(3): no ongoing compliance status report from July to December 2002 1469(i)(3): no ongoing compliance status report from July to December 2002 1469(i)(3): no ongoing compliance status report from July to December 2002 1469(i)(3): no ongoing compliance status report from July to December 2002 1469(i)(3): no ongoing compliance status report from July to December 2002 1469(i)(3): no ongoing compliance status report from July to December 2002		79683  79683  79683  79683  79683 79683
Dolphin Engineering (53963)	5/9/00	Decorative Chrome Tank (D71367)	N	In Compliance				
Domar Precision (23594)	2/19/03	Hard Chrome Tank (P47286) Hard Chrome Tank (P18671) Hard Chrome Tank (A16504) FBME/CMP (D98061)	Y Y Y Y	In Compliance In Compliance In Compliance In Compliance				
<b>EME</b> (45938)	12/6/02	Chromic Acid Anodizing Tank (F50021) FBME/HEPA (F50023)	N N	In Compliance In Compliance				

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Electrolizing (7978)	5/22/02	Hard Chrome Tank w/Merlin Hood (F41073) Hard Chrome Tank w/Merlin Hood (F4345) Hard Chrome Tank w/Merlin Hood (F4338) Hard Chrome Tank w/Merlin Hood (F4344) Hard Chrome Tank w/Merlin Hood (F3723) Hard Chrome Tank w/Merlin Hood (F3724) Hard Chrome Tank w/Merlin Hood (F3725) Hard Chrome Tank w/Merlin Hood (F3726) Hard Chrome Tank w/Merlin Hood (F3727) Hard Chrome Tank w/Merlin Hood (F3728) Hard Chrome Tank w/Merlin Hood (F3729) Hard Chrome Tank w/Merlin Hood (F3730) Hard Chrome Tank w/Merlin Hood (F3731)		In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance				
Electronic Chrome Grinding (10005)	10/24/02	Hard Chrome Tank #1 (R-D03064) Hard Chrome Tank #3 (R-P52717) Hard Chrome Tank #4 (R-M35675) Hard Chrome Tank #5 (R-P55637) Hard Chrome Tank #7 (R-M35674) Hard Chrome Tank #8 (R-M13181) PBS (339644)	Y N N N N Y Y	In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance				
El Monte Plating (4119)	7/23/02	Decorative Chrome Tank (M21968)	N	In Compliance				
Embee Plating (8570)	5/16/02	Hard Chrome Tank #1 (F17954) Hard Chrome Tank #2 (F17954) Hard Chrome Tank #3 (F17953) Hard Chrome Tank #4 (F17952) Hard Chrome Tank #5 (D33323) Hard Chrome Tank #6 (D33322) Hard Chrome Tank #8 (D33321) Hard Chrome Tank #9 (D33324) Hard Chrome Tank #10 (D33325) CMP/HEPA (R-F36309) Chromic Acid Anodizing Tank (370947) HEPA (370942)	Y Y Y Y Y Y Y Y Y Y Y Y	In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance				
Excello Plating (9895)	1/17/03	Decorative Chrome Tank #9 (F55337) Chromic Acid Anodizing Tank #17 (F55339) Hard Chrome Tank #1 (393474) Hard Chrome Tank #2 (393477) CMP/HEPA (393471)	N N N N N	In Compliance In Compliance In Compliance In Compliance In Compliance				
Gardena Specialized Products (22880)		Chromic Acid Anodizing Tank (F47973)	Y	In Compliance				
<b>Gary's Grinding &amp; Hard Chrome</b> (49388)	2/21/03	Hard Chrome Tank #1 (M46860) Hard Chrome Tank #2 (M46857) Hard Chrome Tank #3 (M46859) Hard Chrome Tank #4 (M46858)	N N Y Y	In Compliance In Compliance In Compliance In Compliance				

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Gorilla's Plating (132333)	8/3/02	Decorative Chrome Tank (401532)	Y	In Violation	NER NER NER NER NER	1469(h)(4)(A): no amp-hr records 1469(h)(4)(D): no surface tension records 1469(h)(8): no fume suppressant records 1469(i)(2&3): no initial or ongoing compliance status reports 1469(e)(4): no inlet velocity pressure gauge (has a magnehelic gauge)		82337 82337 82337 82337 82337
Grant Piston Rings (RTR Industries) (132074)	7/2/02	Hard Chrome Tank #1 (F51970) Hard Chrome Tank #2 (F51968) Hard Chrome Tank #3 (F51967) Hard Chrome Tank #4 (F41965) CMP (F51971)	Y Y Y Y Y	In Compliance In Compliance In Compliance In Compliance In Compliance				
HWL Enterprises (6092)	2/26/03	Decorative Chrome Tank #SA16 (F22801) Decorative Chrome Tank #S19 (F22800) Decorative Chrome Tank #A53 (F18453) Decorative Chrome Tank #H-14 (D75504)	N Y Y N	In Compliance In Compliance In Compliance In Compliance				
Hard Chrome Plating (88209)  <i>This facility was not inspected during the baseline inspections</i>		Hard Chrome Tank #1 (M12688) Hard Chrome Tank #2 (M12694) Hard Chrome Tank #3 (M12689) Scrubber (D02833)	N N N N	In Compliance In Compliance In Compliance In Violation		1469(d)(2): no performance test		85980
Hawker Pacific Aerospace (40829)	2/18/03	Hard Chrome Tank #2 (F54910) Hard Chrome Tank #4 (F54912) Hard Chrome Tank #5 (F54920) CMP/HEPA (404227) CMP/HEPA (404228) CMP/HEPA (404231)	Y Y Y Y Y Y	In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance				
<b>Highland</b> (67757)	10/02	Chromic Acid Anodizing Tank 1-3 (RF40312) Decorative Chrome Tank #4 (D43825) Trivalent Dec Chrome Tank #11 (F45466) Black Decorative Chrome Tank T19 (F45812) PBS (D43825) venting Tank #4 PBS (F45808) venting Tanks #11 & T19	Y Y Y Y Y Y	In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance				
<b>Hightower Plating</b> (103703)	1/24/02	(3) Chromic Acid Anodizing Tanks (F21105) CMP/HEPA (F21106)	N Y	In Compliance In Compliance				
Hixson Metal Finishing (11818)	12/5/02	Chromic Acid Anodizing Tank (D57244) CMP (F32065)	N N	In Compliance In Compliance				
Intermetro Industries (5830)	12/6/02	Decorative Chrome Tank (M50926) PBS (M50925)	N N	In Compliance In Compliance				
J & M Anodizing (12051)	2/18/03	Chromic Acid Anodizing Tank (D74056)  CMP/HEPA (314018)	Y  Y	In Violation  In Violation	NER  NER	1469(i)(3): no ongoing compliance status report 1469(g)(1): no OMP		85212  85212

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
<b>Jan-Kens</b> (3887)	8/21/02	Chromic Acid Anodizing Tank #4 (F42348) FBME/HEPA (D93951)	N Y	In Compliance In Compliance				
<b>K &amp; L Anodizing</b> (236)	8/21/02	Chromic Acid Anodizing Tank #30 (F43953) FBME/HEPA (F43954)	Y Y	In Compliance In Compliance				
Kotoff & Company (23926)	8/27/02	Decorative Chrome Tank (F40533)	Y	In Compliance				
Kryler Corp (17168)	11/22/02	Hard Chrome Tank #1 (F51751) Hard Chrome Tank #2 (F51753) Hard Chrome Tank #3 (F51754) Hard Chrome Tank #4 (F51757) CMP/HEPA (F51760)	N N N N Y	In Compliance In Compliance In Compliance In Compliance In Compliance				
Kwikset Corp (57329)	2/20/02	Facility shut down. No equipment on-site.						
L & R Metal Finishing (3144)	2/21/03	Decorative Chrome Tank (M06649)	N	In Compliance				
<b>Leavitt's Metal Finishing</b> (1767)		Decorative Chrome Tank (M18711)	Y	In Compliance				
Lubeco (41229)	2/20/03	Chromic Acid Anodizing Tank (F53204)	N	In Compliance				
Markland Mfg (107149)	12/27/02	Decorative Chrome Tank (F56853) CMP/HEPA	Y Y	In Violation	ER  NER  NER NER  NER	203(b): pressure drop across CMP was 5.9” and exceeded 4.5” permit condition limit 1469(h)(3): performance test results not available during inspection 1469(g)(1): no OMP 1469(e)(3): no weekly pressure drop readings (January – March 2003) 1469(h)(1): no inspection & maintenance records (January – March 2003)		82338  82338 82338  82338
McDonnell Douglas (16660)	8/2/02	Very Small Hard Chrome Tank (F38472)		In Compliance				
Metal Surfaces (20280)	8/16/02	Black Decorative Chrome Tank (F53077)	N	In Compliance				
Multichrome/ Microplate (129249)	6/18/02	Hard Chrome Tank #1 (R-F44210) Hard Chrome Tank #2 (R-F44208) Hard Chrome Tank #3 (R-F44207) Hard Chrome Tank #4 (R-F44206) Hard Chrome Tank #5 (R-F44205) Hard Chrome Tank #6 (R-F44204) Hard Chrome Tank #7 (R-F44209) Hard Chrome Tank #8 (R-F44203) CMP/HEPA (F44202)	Y Y Y Y Y Y Y Y Y	In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance				

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
<b>Mil-Spec Plating</b> (19895)	2/19/03	Hard Chrome Tank #1 Hard Chrome Tank #2 Hard Chrome Tank #3	Y N N	In Compliance In Compliance In Compliance				
Model Plating (12643)	2/19/03	Black Decorative Chrome Tank (M29252)	Y	In Compliance				
Modern Plating (125281)	5/31/00	Decorative Chrome Tanks #T-1-19 & T-1-20 (F45211) PBS (F36177) Decorative Chrome Tank #T-1-39 (F45284) PBS (F36100)	Y Y Y Y	In Compliance In Compliance In Compliance In Compliance				
<b>Moog</b> (102334)	1/17/03	Hard Chrome Plating Tank #1T (R-F21941) Hard Chrome Plating Tank #2T (F38088) Hard Chrome Plating Tank #3T (F21943) Hard Chrome Plating Tank #4T (F21944) Chromic Acid Anodizing Tank #122 (F21940) Chromic Acid Anodizing Tank #123 (F21940) CMP/HEPA (F22013)	N N N N N N N	In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance				
Morell's Electro Plating (18986)	8/23/02	Facility is shut down. Equipment on-site but not in use. Facility being sold.						
<b>National O-Ring</b> (107350)		Hard Chrome Tank (D96151)  CMP (F46440)	Y  Y	In Violation	NER	1469(i)(3): no ongoing compliance status report		81520
<b>Orange County Plating</b> (18414)	12/4/02	Decorative Chrome Tank (F53673)	N	In Compliance				
<b>Palm Springs Plating</b> (80799)	2/21/03	Decorative Chrome Tank #19 (F42500)	N	In Compliance				
Pamarco Pacific (20475)	12/4/02	Facility does not chrome plate or anodize						
<b>PCA Metal Finishing</b> (130126)	1/23/03	Decorative Chrome Tank #31 (F51454) Decorative Chrome Tank #48 (F51455) PBS (F51453) vents tank #31	Y Y Y	In Compliance In Compliance In Compliance				
PEMACO Metal Processing (19234)	2/27/03	Decorative Chrome Tank (M18953)	N	In Compliance				
<b>Pennoyer-Dodge</b> (24129)	7/11/02	(2) Decorative Chrome Tanks (F57488)	N	In Compliance				
<b>Perfection</b> (109464)	3/26/03	Facility is being sold and no longer in operation. Facility shut-down on 1/30/03.						
Phylrich International (45249)	6/20/01	Facility burned down 5/5/01. No building or equipment on-site.						
Plate Corp (88503)	5/17/02	Decorative Chrome Tank (D93054) CMP (D93055)	Y Y	In Compliance In Compliance				

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
<b>Plato Production</b> (61118)	2/14/03	Hard Chrome Tank (F502034) FBME (F52035)	N N	In Compliance In Compliance				
Ponam (78083)	9/3/02	Small Hard Chrome Tank (D43838)	N	In Compliance				
Price Pfister (22808)		Facility does not plate or anodize. Equipment has been removed. The plant is relocating to Mexicali, Mexico.						
<b>Prime Wheel</b> (103736)	6/5/02	Decorative Chrome Tank #68 (R-407273) CMP/HEPA (Need PTO Number)	Y Y	In Compliance In Compliance				
Product Engineering (117804)		Hard Chrome Tank #1 (346794) Hard Chrome Tank #2 (346784) Hard Chrome Tank #3 (346786) CMP (346781)	Y Y Y Y	In Compliance In Compliance In Compliance In Compliance				
Progressive Custom Wheels (55221)		Facility gone and land used as a storage site for portable buildings.						
<b>Quaker</b> (52525)	7/16/02	Trivalent Decorative Chrome Tank (D71370) Trivalent Decorative Chrome Tank (F45486) Decorative Chrome Tank (409993) CMP/HEPA (R-409992)	N N N N	In Compliance In Compliance In Compliance In Compliance				
<b>Re-Bilt Metalizing</b> (106019)	11/22/02	Hard Chrome Tank #1 (F54766) Hard Chrome Tank #2 (F54767) HEPA (F32993)	Y N Y	In Violation In Compliance In Compliance	ER	1469(e)(7): incomplete polyball coverage		84828
Rubin's Pacesetter (1907)	1/2/00	Trivalent Dec Chrome Tank (F45593)	N	In Compliance				
S & K Plating (15021) <i>This facility was not inspected during the baseline inspections</i>	8/21/02	Decorative Chrome Tank (P32046)	Y	In Compliance				
<b>S &amp; S Polishing &amp; Plating</b> (18670)	2/13/03	Decorative Chrome Tank (F55212)	N	In Compliance				
Sal's Plating (52142)	8/7/02	Decorative Chrome Tank (F45237)	N	In Violation	NER NER	206: permit not posted 1469(i)(3): no ongoing compliance status report		84825 84825
Santa Ana Plating (44639)	7/10/02	Decorative Chrome Tank #27 (F54480)	Y	In Violation	NER NER NER NER	1469(f)(2): amp-hr meter not calibrated 1469(g)(1): no OMP 1469(h)(8): no fume suppressant records 206: permit not posted		82339 82339 82339 82339
<b>Service Plating</b> (24240)	2/7/03	Hard Chrome Tank #1 (344019) Hard Chrome Tank #2 (344021) Hard Chrome Tank #3 (344022) Hard Chrome Tank #4 (344023) PBS (M30475)	Y Y Y Y Y	In Violation In Violation In Violation In Violation In Violation	NER NER NER NER ER  NER NER	206: permit not posted 206: permit not posted 206: permit not posted 206: permit not posted 1469(f)(1): failure to conduct quarterly inspections of scrubber 1469(e)(3): pressure drop gauges not clearly labeled & verify working condition 206: permits not posted		84821 84821 84821 84821 84821  84821 84821

Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
Sigma (48323)	5/23/02	Decorative Automatic Hoist Chrome Plating Line #1 (F44810)	Y	In Compliance				
		CMP/HEPA (F44811)	Y	In Compliance				
		Decorative Automatic Hoist Chrome Plating Line #2 (384884)	Y	In Compliance				
		HEPA (384885)	Y	In Compliance				
Size Control (12213)	11/22/02	Hard Chrome Plating Tank #1 (F34601)	Y	In Compliance				
		Hard Chrome Plating Tank #2 (F34602)	Y	In Compliance				
		Hard Chrome Plating Tank #3 (F34603)	Y	In Compliance				
		Hard Chrome Plating Tank #4 (F34604)	N	In Compliance				
		Hard Chrome Plating Tank #5 (F34605)	Y	In Compliance				
		Hard Chrome Plating Tank #6 (F34606)	N	In Compliance				
		Hard Chrome Plating Tank #7 (F34607)	Y	In Compliance				
		North Air Pollution Control System (F52186)	Y	In Compliance				
		South Air Pollution Control System (F52187)	Y	In Compliance				
South Bay Chrome (112518)	6/4/02	Decorative Chrome Tank (F45238)	N	In Compliance				
		CMP/HEPA (F46439)	N	In Compliance				
Southwest Plating (9489)		Small Hard Chrome Tank (A05827)	N	In Compliance				
<b>Spence Electro Plating</b> (23025)	10/18/02	Decorative Chrome Tank (P47797)	Y	In Compliance				
Steve's Plating (17098)		Trivalent Decorative Chrome Tank (D01792)	Y	In Compliance				
Superior Plating (53995)	2/27/03	Decorative Chrome Tank (F45485)	N	In Compliance				
Superior Plating (122798)	5/8/02	Chromic Acid Anodizing Tank (368342)	Y	In Violation	NER	1469(i)(2&3): no initial or ongoing compliance status report		79684
		Hard Chrome Tank (368348)	Y	In Violation	NER	1469(i)(2&3): no initial or ongoing compliance status report		79684
		Hard Chrome Tank (368349)	Y	In Violation	NER	1469(i)(2&3): no initial or ongoing compliance status report		79684
		FBME/HEPA (368347)	Y	In Violation	NER	1469(g)(1): no OMP		79684
<b>Technical Metal Finishing</b> (71645)	6/27/02	Chromic Acid Anodizing Tank (F43905)	Y	In Compliance				
Teledyne Cast Parts (15842)		Teledyne Cast Parts was purchased by Consolidated Foundaries (126536) in 2000						
Tool & Jig (105477)	8/20/02	Trivalent Decorative Chrome Tank (R-F45484)	N	In Compliance				
Ultra Wheel (100400)	8/29/02	Decorative Chrome Tank (323878)	Y	In Compliance				
		PBS/HEPA (323876)	Y	In Compliance				
Universal Metal (39156)	8/22/02	Decorative Chrome Tank (F46800)	Y	In Compliance				



Facility (ID No.)	Last Inspection	Permit Unit (PTO #)	Operating Yes / No	Compliance Status	COV	Regulations Violated	NOV #	NTC #
U.S. Chrome (12006)	3/12/03	Hard Chrome Tank #1 (F44690) Hard Chrome Tank #2 (F44691) Hard Chrome Tank #3 (F44692) Hard Chrome Tank #4 (F44693) Hard Chrome Tank #5 (F44694) Hard Chrome Tank #6 (F44695) CMP/HEPA (F19709)	Y Y Y Y Y Y Y	In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance In Compliance				
U.S. Polestar (107290)	8/20/02	Hard Chrome Tank #1 (F40472)  Hard Chrome Tank #2 (F40484)  PBS/HEPA (F40474)	Y  Y  Y	In Violation  In Violation  In Violation	NER  NER  NER  NER ER ER	1469(i)(3): incomplete ongoing compliance status report 1469(i)(3): incomplete ongoing compliance status report 206: permit not posted 1469(i)(3): incomplete ongoing compliance status report 1469(h)(1): incomplete OMP log 1469(h)(4)(B): no weekly logs of pressure drop across filters 1469(e)(3): 5" pressure drop across HEPA filter exceeded 2" permit condition limit	35909  35909  35909  35909 35909 35909	82336  82336  82336  82336 82336
Valley Plating Works (119254)		Decorative Chrome Tank #T-19 (F22125)	Y	In Compliance				
Valley Plating Works (25304)	9/26/02	Trivalent Decorative Chrome Tank #27 (R-F44703)	Y	In Compliance				
Vanier Manufacturing (75785)	8/22/02	Decorative Chrome Plating Tank (F42549)	N	In Compliance				
Van Nuys Plating (13945)		Decorative Chrome Tank (A14217)	Y	In Compliance				
Verne's Chrome (8172)	6/6/02	Decorative Chrome Tank (F45226)	N	In Compliance				
Wally's Metal Polishing (7675)		Decorative Chrome Tank (M13706)	Y	In Compliance				
West Coast Cylinder Works (110399)	1/21/03	Hard Chrome Tank #1 (F6080)  Hard Chrome Tank #2 (F5840)  HEPA (375629)	N  N  N	In Violation  In Violation  In Violation	NER ER NER NER ER NER ER NER ER NER ER NER NER	1469(h)(4)(A): no amp-hr readings 1469(e)(7): no polyballs 1469(h)(8): no fume suppressant records 1469(h)(4)(D): no surface tension records 1469(e)(1): amp-hr meter broken 1469(h)(4)(A): no amp-hr readings 1469(e)(7): no polyballs 1469(h)(8): no fume suppressant records 1469(h)(4)(D): no surface tension records 1469(h)(3): no performance test on-site 203(b): leaks in duct work 203(b): pressure drop gauges not working 1469(g)(1): no OMP 1469(i)(3): no ongoing compliance status report	32896 32896 32896 32896 32896 32896 32896 32896 32896 32896 32896 32896 32896 32896	

Appendix D  
Chrome Plating & Anodizing Handbooks  
(English & Spanish)

Appendix E  
Chrome Plating & Anodizing Recordkeeping Forms  
(English & Spanish)

## **Recordkeeping for Chrome Plating Facilities**

### For facilities using chemical fume suppressants with wetting agents:

- 1) Record date, time, volume, and product identification of fume suppressant added to tank.
- 2) Record surface tension for 20 days, and weekly thereafter.
  - Surface tension must be kept at or below 45 dynes per centimeter.
  - If weekly surface tension reading exceeds 45 dynes/cm, return to daily recordkeeping for 20 days and weekly thereafter.
- 3) Record ampere-hour usage monthly.

### For facilities using foam blankets:

- 1) Record date, time, volume, and product identification of fume suppressant added to tank.
- 2) Record foam blanket thickness hourly for 15 operating days, and daily thereafter.
  - Foam blanket thickness must be maintained consistent with the thickness established during the performance test.
  - If foam blanket thickness is less than the thickness established during the performance test, return to hourly recordkeeping for 15 days and daily thereafter.
- 3) Record ampere-hour usage monthly.

### For facilities using polyballs or other similar mechanical fume suppressants:

- 1) Inspect and record coverage daily.
  - Coverage must be comparable to the coverage during the performance test.
- 2) Record ampere-hour usage monthly.

For facilities using add-on control devices:

- 1) Inspection frequency shall be in accordance with Table (f)(1) of the ATCM.
- 2) The record of inspection and maintenance can take the form of a checklist and shall identify:
  - A. The device inspected,
  - B. The date and time of inspection,
  - C. A brief description of the working condition of the device during the inspection,
  - D. Maintenance activities performed on the components of the air pollution control system,
  - E. Actions taken to correct the deficiencies found during the inspection.
- 3) Record pressure drop once a week.
- 4) Maintain performance test results.
- 5) Record ampere-hour usage monthly.
- 6) Check permit conditions to see if other control techniques such as chemical fume suppressants with wetting agents, foam blankets, polyballs or other similar mechanical fume suppressants are required for your application.

# Rule 1469 Chrome Plating Ampere-Hour Recordkeeping Form

Facility:

Address:

Facility ID #:

Year:

Tank #1 - Permit #				Tank #2 - Permit #			Tank #3 - Permit #		
<u>Month</u>	Date	Meter Reading	Monthly Usage	Date	Meter Reading	Monthly Usage	Date	Meter Reading	Monthly Usage
January									
February									
March									
April									
May									
June									
July									
August									
September									
October									
November									
December									
<u>Annual Usage</u>									

Ampere-Hour Yearly Limit:

# Rule 1469 Chrome Plating Pressure Drop Recordkeeping Form

Facility:  
Address:

Facility ID #:

Year:

Week	Date	Composite Mesh Pad (CMP)	Packed Bed Scrubber (PBS) IVP / PD	CMP/PBS	Fiber Bed Mist Eliminator (FBME)	High Efficiency Particulate Arrestor (HEPA)
1			/			
2			/			
3			/			
4			/			
5			/			
6			/			
7			/			
8			/			
9			/			
10			/			
11			/			
12			/			
13			/			
14			/			
15			/			
16			/			
17			/			
18			/			
19			/			
20			/			
21			/			
22			/			
23			/			
24			/			
25			/			
26			/			
27			/			
28			/			
29			/			
30			/			
31			/			
32			/			
33			/			
34			/			
35			/			
36			/			
37			/			
38			/			
39			/			

Week	Date	CMP	PBS	CMP/PBS	FBME	HEPA
40			/			
41			/			
42			/			
43			/			
44			/			
45			/			
46			/			
47			/			
48			/			
49			/			
50			/			
51			/			
52			/			

The owner or operator shall continuously monitor the pressure drop (PD) across the add-on control device with a mechanical gauge and record the pressure drop weekly.

The pressure drop shall be maintained within  $\pm 1$  inches of water of the performance test value to demonstrate compliance with the emission limitation for composite mesh pads (CMP), packed-bed scrubbers (PBS), a CMP/PBS and fiber-bed mist eliminators (FBME).

The pressure drop shall be maintained within  $- \frac{1}{2}$  times to  $+ 2$  times the inches of water of the performance test value for High Efficiency Particulate Arrestors (HEPA).

The inlet velocity pressure (IVP) of a PBS shall be maintained within  $\pm 10$  percent of the performance test value to demonstrate compliance with the emission limitation.



## Rule 1469 Chrome Plating Foam Blanket 15-Day Recordkeeping Form

Facility:  
Address:

Facility ID #:

Tank #:

Month & Year:

Day	Date	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

Fume Suppressant Name:

Fume Suppressant Manufacturer:



# Rule 1469 Chrome Plating Surface Tension, Foam Blanket & Polyball Recordkeeping Form

Facility:  
Address:

Facility ID #:

Tank #:

Month/Year:

Day	Date	Time	Fume Suppressant Additions (ounces)	Surface * Tension (dynes/cm)	Foam * Blanket Thickness (inches)	Polyball * Coverage (complete or partial)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

Fume Suppressant Name/Manufacturer:  
Record all additions.

Surface tension shall not exceed 45 dynes/cm when the tank is operating. Record weekly. If the surface tension exceeds 45 dynes/cm, revert to daily recordkeeping for 20 days.

\* Check permit conditions for applicable requirements.



## **Archivo de Registros para Instalaciones de Cromado y Anodización**

Para instalaciones que usan supresor de vapores con fondo de fibra:

- 1) Registre la fecha, la hora, el volumen, y el nombre del supresor de vapor con fondo de fibra que adicionó al tanque.
- 2) Registre la tensión de la superficie durante 20 días consecutivos y después hágalo semanalmente.
  - La tensión de la superficie debe ser mantenida en un valor  $< 45$  dinas/cm.
  - Si esta tensión excede las 45 dinas/cm., regrese al registro diario por 20 días de trabajo consecutivos y después sígalo haciendo semanalmente.
- 3) Registre el uso mensual de amperio-hora.

Para instalaciones que usan cobertura de espuma:

- 1) Registre la fecha, la hora, el volumen, y el nombre del supresor de vapor con fondo de fibra que adicionó al tanque.
- 2) Registre el espesor de la cobertura de espuma cada hora durante 15 días de trabajo consecutivos y después hágalo solo una vez diariamente.
  - El espesor de la cobertura de espuma debe mantenerse constante con el espesor establecido durante el test de emisión.
  - Si el espesor de la cobertura de espuma es menor que el espesor establecido durante el test de emisión, regrese a registrar cada hora durante 15 días y después una sola vez diariamente.
- 3) Registre el uso mensual de amperio-hora.

Para instalaciones que usan bolitas de poly u otros supresores mecanicos de vapor:

- 1) Inspeccione y registre la cobertura diariamente.
  - La cobertura debe ser comparable con la cobertura durante el test de emisión.
- 2) Registre el uso de amperio-hora.

Para instalaciones que usan dispositivos de control adicionales:

- 1) La frecuencia de las inspecciones deben relizarse de acuerdo a la Tabla (f)(1) de el ATCM.
- 2) El registro del mantenimiento y de las inspecciones puede hacerse en forma de lista de chequeo y debe de describir:
  - A. El aparato inspeccionado,
  - B. La fecha y la hora de la inspección,
  - C. Una breve descripción de la eficacia del aparato inspeccionado,
  - D. Procesos de mantenimiento hechos a los aparatos del sistema del control de polución del aire,
  - E. Medidas de prevención que fueron tomadas para corregir y prevenir las deficiencias encontradas durante la inspección.
- 3) Registre la disminución de presión una vez por semana.
- 4) Mantenga los resultados del test de emisión.
- 5) Registre el uso mensual de amperio-hora.
- 6) Revise las condiciones en su permiso de funcionamiento y asegúrese si lpara esto le requiere otras técnicas de control como: supresores de vapores con fondo de fibra, cobertura de espuma, bolitas de poly u otros mecanismos de supresión de vapor similares.

# Regla 1469-Cromado y Anodización

## Registro (amperio-hora)

Planta:

Dirección:

Planta (ID #):

Año:

Tanque #1 - Permiso #				Tanque #2 - Permiso #			Tanque #3 - Permiso #		
<u>Mes</u>	Día	Lectura del Totalizador	Uso mensual	Día	Lectura del Totalizador	Uso Mensual	Día	Lectura del Totalizador	Uso Mensual
Enero									
Febrero									
Marzo									
Abril									
Mayo									
Junio									
Julio									
Agosto									
Septiembre									
Octubre									
Noviembre									
Diciembre									
<u>Uso Annual</u>									

Limite Anual (amperio-hora)

## Regla 1469-Cromado y Anodización

### Cambios en la Disminución de Presión

Planta:  
Dirección:

Planta(ID #):

Año:

Semana	Fecha	Almohadilla de malla Compuesta (CMP)	Depuradores de Fondo Empacado (PBS)			CMP/PBS	Supresor de Vapores con Fondo de Fibra (FBME)	Filtros de Arresto de Partículas de Alta Eficiencia (HEPA)
			IVP	1/	PD			
1			/					
2			/					
3			/					
4			/					
5			/					
6			/					
7			/					
8			/					
9			/					
10			/					
11			/					
12			/					
13			/					
14			/					
15			/					
16			/					
17			/					
18			/					
19			/					
20			/					
21			/					
22			/					
23			/					
24			/					
25			/					
26			/					
27			/					
28			/					
29			/					
30			/					
31			/					
32			/					
33			/					
34			/					
35			/					



Semana	Fecha	CMP	PBS	CMP/PBS	FBME	HEPA
36			/			
37			/			
38			/			
39			/			
40						
41			/			
42			/			
43			/			
44			/			
45			/			
46			/			
47			/			
48			/			
49			/			
50			/			
51			/			
52			/			

El dueño o trabajador de la planta debe monitorear continuamente la disminución de presión en todas las unidades y en los ductos del equipo de control con un calibrador mecánico.

La diferencia de presión debe ser mantenida entre  $\pm 1$  pulgada de agua del valor establecido durante el test de emisión para demostrar cumplimiento con el límite de emisión de las almohadillas de malla compuesta (CMP), los depuradores de fondo empacado (PBS), el CMP/PBS y los supresores de vapor con fondo de fibra (FBME).

La disminución de presión debe ser mantenida entre la mitad y el doble del valor establecido durante el test de emisión de los filtros de arresto de partículas de alta eficiencia (HEPA).

La velocidad del aire (IVP) que se mueve dentro del depurador de fondo empacado (PBS) debe ser mantenida entre  $\pm 10\%$  del valor establecido durante el test de emisión para demostrar cumplimiento con el límite de emisión.

# **Regla 1469-Cromado y Anodización** **Registro de la Cobertura de Espuma (15 Días)**

**Planta:**  
**Dirección:**

**Planta (ID #):**

**Tanque #:**

**Mes y Año:**

Día	Fecha	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

Nombre del Supresor de Vapores:

Nombre del Fabricante del Supresor de Vapores:



# Regla 1469-Cromado y Anodización

## Registro de la Cobertura de Espuma y las Bolitas de Poly

Planta:  
Dirección:

Planta (ID #):

Tanque:

Mes y Año:

Día	Fecha	Hora	Supresor de Vapores Adicionales (onzas)	Tensión de la * Superficie (dinas/cm)	Espesor de la * Cobertura de Espuma (pulgadas)	Cobertura de las * bolitas de Poly (completo o parcial)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
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25						
26						
27						
28						
29						
30						
31						

Nombre del Supresor de Vapores/Nombre del Fabricante del Supresor de Vapores:  
Registre todos los controles adicionales.

Cuando el tanque esta en operación, la tensión de la superficie no debe ser mayor de 45 dinas/cm. Si ésta tensión llega a ser mayor de 45 dinas/cm, empiece a hacer registros diarios por 20 días.

\* Revise las condiciomes en su permiso de funcionamiento y asegurese de cumplir todos los requerimientos.

## Appendix F

### Training Material