

217/785-1705

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) -- NESHAP SOURCE

PERMITTEE

J & M Plating, Inc.
Attn: Mr. Brian Beasley
4500 Kishwaukee Street
Rockford, Illinois 61109

<u>Application No.:</u> 08090025	<u>I.D. No.:</u> 201030BAP
<u>Applicant's Designation:</u>	<u>Date Received:</u> September 15, 2008
<u>Subject:</u> Job Shop Electroplating Facility	
<u>Date Issued:</u>	<u>Expiration Date:</u>
<u>Location:</u> 4500 Kishwaukee Street, Rockford, Winnebago County	

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of:

Four (4) Natural Gas-Fired Heat Treating Furnaces (HT-1: 13.79 mmBtu/hr, HT-2: 13.79 mmBtu/hr, HT-3: 4.5 mmBtu/hr, HT-4: 5.0 mmBtu/hr);
Oil Quenching;
Three (3) Zinc Electroplating/Chromate Lines with atmospheric evaporator and scrubbers;
Three (3) Chromate Plating Lines with scrubbers;
Phosphate Conversion Coating Line with scrubber; and
Wastewater pretreatment system

pursuant to the above-referenced application. This permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 100 tons/year for Volatile Organic Material (VOM), 10 tons/year for any single Hazardous Air Pollutant (HAP) and 25 tons/year for any combination of such HAPs). As a result, the source is excluded from the requirements to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permit(s) for this location.
- 2a. The Three (3) Zinc/Chromate Electroplating Lines are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Area Source Standards for Plating and Polishing Operations, 40 CFR 63 Subparts A and WWWW. The Illinois EPA is administering the NESHAP in Illinois on behalf of the United States EPA under a delegation

agreement. Pursuant to 40 CFR 63.11504(a), you are subject to this 40 CFR 63 Subpart WWWWWW if you own or operate a plating and polishing facility that is an area source of hazardous air pollutant (HAP) emissions and meets the criteria specified in 40 CFR 63.11504(a)(1) through (3).

- i. A plating and polishing facility is a plant site that is engaged in one or more of the processes listed in 40 CFR 63.11504(a)(1)(i) through (vi).
 - A. Electroplating other than chromium electroplating (i.e., non-chromium electroplating).
 - B. Electroless or non-electrolytic plating.
 - C. Other non-electrolytic metal coating processes, such as chromate conversion coating, nickel acetate sealing, sodium dichromate sealing, and manganese phosphate coating; and thermal spraying.
 - D. Dry mechanical polishing of finished metals and formed products after plating or thermal spraying.
 - E. Electroforming.
 - F. Electropolishing.
 - ii. A plating or polishing facility is an area source of HAP emissions, where an area source is any stationary source or group of stationary sources within a contiguous area under common control that does not have the potential to emit any single HAP at a rate of 9.07 megagrams per year (Mg/yr) (10 tons per year (tpy)) or more and any combination of HAP at a rate of 22.68 Mg/yr (25 tpy) or more.
 - iii. Your plating and polishing facility uses or has emissions of compounds of one or more plating and polishing metal HAP, which means any compound of any of the following metals: cadmium, chromium, lead, manganese, and nickel, as defined in 40 CFR 63.11511, "What definitions apply to this subpart?" With the exception of lead, plating and polishing metal HAP also include any of these metals in the elemental form.
- b. Pursuant to 40 CFR 63.11505(a)(1), 40 CFR 63 Subpart WWWWWW applies to each new or existing affected source, as specified in 40 CFR 63.11505(a)(1) through (3), at all times. A new source is defined in 40 CFR 63.11511, "What definitions apply to this subpart?": Each tank that contains one or more of the plating and polishing metal HAP, as defined in 40 CFR 63.11511, "What definitions apply to this subpart?", and is used for non-chromium electroplating; electroforming; electropolishing; electroless plating or other non-electrolytic metal coating operations, such as chromate conversion coating, nickel acetate

sealing, sodium dichromate sealing, and manganese phosphate coating.

- c. Pursuant to 40 CFR 63.11505(b), an affected source is existing if you commenced construction or reconstruction of the affected source on or before March 14, 2008.
 - d. Pursuant to 40 CFR 63.11506(a), if you own or operate an existing affected source, you must achieve compliance with the applicable provisions of 40 CFR 63 Subpart WWWWWW no later than July 1, 2010.
- 3a. Pursuant to 35 Ill. Adm. Code 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 Ill. Adm. Code 212.122.
- b. Pursuant to 35 Ill. Adm. Code 212.123(b), the emission of smoke or other particulate matter from any such emission unit may have an opacity greater than 30 percent but not greater than 60 percent for a period or periods aggregating 8 minutes in any 60 minute period provided that such opaque emissions permitted during any 60 minute period shall occur from only one such emission unit located within a 305 m (1000 ft) radius from the center point of any other such emission unit owned or operated by such person, and provided further that such opaque emissions permitted from each such emission unit shall be limited to 3 times in any 24 hour period.
 - c. Pursuant to 35 Ill. Adm. Code 212.301, no person shall cause or allow the emission of fugitive particulate matter from any process, including any material handling or storage activity, that is visible by an observer looking generally toward the zenith at a point beyond the property line of the source.
 - d. Pursuant to 35 Ill. Adm. Code 212.321(a), except as further provided in 35 Ill. Adm. Code Part 212, no person shall cause or allow the emission of particulate matter into the atmosphere in any one hour period from any new process emission unit which, either alone or in combination with the emission of particulate matter from all other similar process emission units for which construction or modification commenced on or after April 14, 1972, at a source or premises, exceeds the allowable emission rates specified in 35 Ill. Adm. Code 212.321(c).
- 4a. Pursuant to 35 Ill. Adm. Code 214.301, except as further provided by 35 Ill. Adm. Code Part 214, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to exceed 2000 ppm.
- b. Pursuant to 35 Ill. Adm. Code 214.303(a), with the exception of fuel combustion emission sources and acid manufacturing, no person using sulfuric acid shall cause or allow the emission of sulfuric acid and/or sulfur trioxide from all other similar emission sources at a plant or premises to exceed 45.4 grams in any one hour period for sulfuric acid

usage less than 1180 Mg/yr (100 percent acid basis) (0.10 lbs/hr up to 1300 T/yr).

- 5a. Pursuant to 35 Ill. Adm. Code 215.141(a), no person shall use any single or multiple compartment effluent water separator which receives effluent water containing 757 l/day (200 gal/day) or more of organic material from any equipment processing, refining, treating, storing or handling organic material unless such effluent water separator is equipped with air pollution control equipment capable of reducing by 85 percent or more the uncontrolled organic material emitted to the atmosphere. Exception: If no odor nuisance exists the limitations of this subparagraph shall not apply if the vapor pressure of the organic material is below 17.24 kPa (2.5 psia) at 294.3 K (70 F).
- b.. Pursuant to 35 Ill. Adm. Code 215.301, no person shall cause or allow the discharge of more than 3.6 kg/hr (8 lbs/hr) of organic material into the atmosphere from any emission unit, except as provided in 35 Ill. Adm. Code 215.302, 215.303, 215.304 and the following exception: If no odor nuisance exists the limitation of 35 Ill. Adm. Code 215 Subpart K (Use of Organic Material) shall only apply to photochemically reactive material.
- 6a. This permit is issued based on the Chromate Plating Lines at this source not being subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks, 40 CFR 63 Subpart N because no electrical current is applied to the chromate tanks on the chromate plating line. Pursuant to 40 CFR 63.340(c), tanks that contain a chromium solution, but in which no electrolytic process occurs, are not subject to 40 CFR 63 Subpart N.
- b. This permit is issued based on the Heat Treating Furnaces not being subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63 Subpart DDDDD because this source is not or is part of, a major source of HAP as defined in 40 CFR 63.2.
7. Pursuant to 35 Ill. Adm. Code 212.314, 35 Ill. Adm. Code 212.301 shall not apply and spraying pursuant to 35 Ill. Adm. Code 212.304 through 212.310 and 35 Ill. Adm. Code 212.312 shall not be required when the wind speed is greater than 40.2 km/hr (25 mph). Determination of wind speed for the purposes of this rule shall be by a one-hour average or hourly recorded value at the nearest official station of the U.S. Weather Bureau or by wind speed instruments operated on the site. In cases where the duration of operations subject to this rule is less than one hour, wind speed may be averaged over the duration of the operations on the basis of on-site wind speed instrument measurements.
- 8a. Pursuant to 40 CFR 63.11507(g), if you own or operate an affected new or existing plating and polishing process unit that contains, applies, or emits one or more of the plating and polishing metal HAP, you must implement the applicable management practices in 40 CFR 63.11507(g)(1)

through (12), as practicable.

- i. Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.
 - ii. Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable.
 - iii. Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.
 - iv. Use tank covers, if already owned and available at the facility, whenever practicable.
 - v. Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).
 - vi. Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.
 - vii. Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough rinsing of pre-treated parts to be plated, as practicable.
 - viii. Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.
 - ix. Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.
 - x. Minimize spills and overflow of tanks, as practicable.
 - xi. Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.
 - xii. Perform regular inspections to identify leaks and other opportunities for pollution prevention.
- b. Pursuant to 40 CFR 63.11508(a), if you own or operate an affected source, you must submit a Notification of Compliance Status in accordance with 40 CFR 63.11509(b) of "What are my notification, reporting, and recordkeeping requirements?"

- c. Pursuant to 40 CFR 63.11508(b), you must be in compliance with the applicable management practices and equipment standards in 40 CFR 63 Subpart WWWWWW at all times.
- d. Pursuant to 40 CFR 63.11508(c)(8), to demonstrate initial compliance, you must satisfy the requirements specified in 40 CFR 63.11508(c)(1) through (11): If you own or operate an affected tank or other operation that is subject to the management practices specified in 40 CFR 63.11507(g), "What are my standards and management practices?", you must demonstrate continuous compliance according to 40 CFR 63.11508(d)(8)(i) and (ii).
 - i. You must implement the applicable management practices during all times that the affected tank or process is in operation.
 - ii. You must state in your annual compliance certification that you have implemented the applicable management practices, as practicable.
- e. Pursuant to 40 CFR 63.11510, if you own or operate a new or existing affected source, you must comply with the requirements of the General Provisions (40 CFR part 63, subpart A) according to Table 1 of 40 CFR 63 Subpart WWWWWW (see Attachment B).
- 9a. In the event that the operation of this source results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the odor nuisance.
- b. The Permittee shall, in accordance with the manufacturer(s) and/or vendor(s) recommendations, perform periodic maintenance on the scrubbers associated with the plating lines and the phosphate conversion line such that the scrubbers are kept in proper working condition and not cause a violation of the Illinois Environmental Protection Act or regulations promulgated therein.
- c. The scrubbers shall be operated at all times when the associated plating lines or the phosphate conversion line are in operation.
- d. This permit is issued based on no electric current applied to any Chromate Plating Process.
- e. This permit is also issued based upon the facility conducting only zinc and chromate plating. Any other type of plating other than previously permitted will require a construction permit from the Illinois EPA.
- f. This permit is issued based on the HCL concentration in the 3 Zinc/Chromate Electroplating Lines and Phosphate Conversion Coating Line not exceeding 15% by weight.
- g. The heat treating furnaces shall only be operated with natural gas as

the fuel. The use of any other fuel in the heat treating furnaces requires that the Permittee first obtain a construction permit from the Illinois EPA and then perform stack testing to verify compliance with all applicable requirements.

- 10a. Emissions from and operation of the 3 Zinc/Chromate Electroplating Lines controlled by atmospheric evaporator & scrubbers shall not exceed the following limits:

Parts Processed		Emission Factor (lb/Ton)	HCL Emissions	
(Tons/Mo)	(Tons/Yr)		(Tons/Mo)	(Tons/Yr)
6,789	67,890	4	0.54	5.40

These limits are based on Potential Maximum Operating Rate, emission factor from Document EPA-745-B-99-014 December 1999 Table 6 Factors for Model Pickling Plants, 96% evaporator/scrubber efficiency, and continuous operation (8760 hour/year).

- b. Emissions from and operation of the Phosphate Conversion Coating Line with scrubber shall not exceed the following limits:

Parts Processed		Emission Factor (lb/Ton)	HCL Emissions	
(Tons/Mo)	(Tons/Yr)		(Tons/Mo)	(Tons/Yr)
4,380	43,800	4	0.35	3.50

These limits are based on Potential Maximum Operating Rate, emission factor from Document EPA-745-B-99-014 December 1999 Table 6 Factors for Model Pickling Plants, 96% scrubber efficiency, continuous operation (8760 hour/year) and no Volatile Organic Material (VOM) or Hazardous Air Pollutants (HAPs) in any phosphate conversion coatings.

- c. Emissions from and operation of the four heat treating furnaces shall not exceed the following limits:

- i. Natural Gas Usage: 30.2 mmscf/month, 302 mmscf/year.
- ii. Emissions from the combustion of natural gas:

Pollutant	Emission Factor (lbs/mmscf)	Emissions	
		(Tons/Mo)	(Tons/Yr)
Carbon Monoxide (CO)	84.0	1.27	12.68
Nitrogen Oxides (NO _x)	100.0	1.51	15.10
Particulate Matter (PM)	7.6	0.12	1.15
Sulfur Dioxide (SO ₂)	0.6	0.01	0.09
Volatile Organic Material (VOM)	5.5	0.08	0.83

These limits are based on the maximum fuel usage and standard emission factors (Tables 1.4-1 and 1.4-2, AP-42, Fifth Edition, Volume I, Supplement D, July 1998).

- d. Emissions from and use of quench oil associated with the heat treating furnaces shall not exceed the following limits:

Quench Oil Used		Emission Factor	VOM Emissions	
(Tons/Mo)	(Tons/Yr)	(Tons/Ton of Oil Used)	(Tons/Mo)	(Tons/Yr)
28.89	288.9	0.27	7.8	78.00

These limits define the potential emissions and are based on projected maximum oil usage, 19,820 gallons of oil used in 2004, 42.5 gallons of VOM reclaimed per 24 hours of normal operation quenching 36,000 ft² of parts, normal operating hours of 8,160 hours/year, a density of 7.17 lbs/gallon and mass balance.

- e. This Permit is issued based on negligible process emissions of particulate matter from each of the four natural gas-fired heat treating furnaces and the associated oil quench. For this purpose, emissions from each furnace and associated oil quench shall not exceed nominal rates of 0.1 lbs/hour and 0.44 tons/year.
 - f. This permit is issued based on negligible emissions of chromium compounds from the 3 zinc/chromate electroplating lines and the three chromate plating lines controlled by scrubber. For this purpose, emissions from each group of plating lines shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
 - g. This permit is issued based on negligible emissions of chromium compounds and Hydrogen Chloride (HCl) from the wastewater pretreatment system. This is based on HCl entering the pretreatment system being neutralized above a pH of 6. For this reason, emissions of each pollutant shall not exceed nominal rates of 0.1 lbs/hour and 0.44 tons/year.
 - h. This permit is issued based on negligible emissions of particulate matter (PM) from the 3 zinc/chromate electroplating, 3 chromate plating, and Phosphate Conversion Coating Lines. For this reason, emissions from each line shall not exceed nominal rates of 0.1 lb/hour and 0.44 tons/year.
 - i. Compliance with the annual limits of this permit shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
- 11a. Pursuant to 35 Ill. Adm. Code 201.282, every emission source or air pollution control equipment shall be subject to the following testing requirements for the purpose of determining the nature and quantities of specified air contaminant emissions and for the purpose of determining ground level and ambient air concentrations of such air contaminants:
- i. Testing by Owner or Operator. The Illinois EPA may require the

owner or operator of the emission source or air pollution control equipment to conduct such tests in accordance with procedures adopted by the Illinois EPA, at such reasonable times as may be specified by the Illinois EPA and at the expense of the owner or operator of the emission source or air pollution control equipment. The Illinois EPA may adopt procedures detailing methods of testing and formats for reporting results of testing. Such procedures and revisions thereto, shall not become effective until filed with the Secretary of State, as required by the APA Act. All such tests shall be made by or under the direction of a person qualified by training and/or experience in the field of air pollution testing. The Illinois EPA shall have the right to observe all aspects of such tests.

- ii. Testing by the Illinois EPA. The Illinois EPA shall have the right to conduct such tests at any time at its own expense. Upon request of the Illinois EPA, the owner or operator of the emission source or air pollution control equipment shall provide, without charge to the Illinois EPA, necessary holes in stacks or ducts and other safe and proper testing facilities, including scaffolding, but excluding instruments and sensing devices, as may be necessary.
 - b. Testing required by Condition 12 shall be performed upon a written request from the Illinois EPA by a qualified independent testing service.
12. Pursuant to 35 Ill. Adm. Code 212.110(c), upon a written notification by the Illinois EPA, the owner or operator of a particulate matter emission unit subject to 35 Ill. Adm. Code Part 212 shall conduct the applicable testing for particulate matter emissions, opacity, or visible emissions at such person's own expense, to demonstrate compliance. Such test results shall be submitted to the Illinois EPA within thirty (30) days after conducting the test unless an alternative time for submittal is agreed to by the Illinois EPA.
13. Pursuant to 40 CFR 63.10(b)(3), if an owner or operator determines that his or her stationary source that emits (or has the potential to emit, without considering controls) one or more hazardous air pollutants regulated by any standard established pursuant to section 112(d) or (f) of the Clean Air Act, and that stationary source is in the source category regulated by the relevant standard, but that source is not subject to the relevant standard (or other requirement established under 40 CFR Part 63) because of limitations on the source's potential to emit or an exclusion, the owner or operator must keep a record of the applicability determination on site at the source for a period of 5 years after the determination, or until the source changes its operations to become an affected source, whichever comes first. The record of the applicability determination must be signed by the person making the determination and include an analysis (or other information) that demonstrates why the owner or operator believes the source is unaffected (e.g., because the source is an area source). The analysis

(or other information) must be sufficiently detailed to allow the USEPA and/or Illinois EPA to make a finding about the source's applicability status with regard to the relevant standard or other requirement. If relevant, the analysis must be performed in accordance with requirements established in relevant subparts of 40 CFR Part 63 for this purpose for particular categories of stationary sources. If relevant, the analysis should be performed in accordance with USEPA guidance materials published to assist sources in making applicability determinations under Section 112 of the Clean Air Act, if any. The requirements to determine applicability of a standard under 40 CFR 63.1(b)(3) and to record the results of that determination under 40 CFR 63.10(b)(3) shall not by themselves create an obligation for the owner or operator to obtain a Title V permit.

- 14a. Pursuant to 40 CFR 63.11509(e), you must keep the records specified in 40 CFR 63.11509(e)(1) through (3).
- i. A copy of any Initial Notification and Notification of Compliance Status that you submitted and all documentation supporting those notifications.
 - ii. The records specified in 40 CFR 63.10(b)(2)(i) through (iii) and (xiv) of the General Provisions.
 - iii. The records required to show continuous compliance with each management practice and equipment standard that applies to you, as specified in 40 CFR 63.11508(d), "What are my compliance requirements?"
- b. Pursuant to 40 CFR 63.11509(f), you must keep each record for a minimum of 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. You must keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1) of the General Provisions. You may keep the records offsite for the remaining 3 years.
15. Pursuant to 35 Ill. Adm. Code 212.110(e), the owner or operator of an emission unit subject to 35 Ill. Adm. Code Part 212 shall retain records of all tests which are performed. These records shall be retained for at least three (3) years after the date a test is performed.
- 16a. The Permittee shall maintain records of the following items so as to demonstrate compliance with the conditions of this permit:
- i. Records addressing use of good operating practices for the srcubbers associated with the plating lines and the phosphate conversion line:
 - A. Records for periodic inspection of the srcubbers associated with the plating lines and the phosphate conversion line

with date, individual performing the inspection, and nature of inspection; and

- B. Records for prompt repair of defects, with identification and description of defect, effect on emissions, date identified, date repaired, and nature of repair.
 - ii. Natural gas consumption (mmscf/month and mmscf/year);
 - iii. Quench oil used (gallons/month and gallons/year);
 - iv. Quench oil density (lbs/gallon)
 - v. VOM content of the quench oil (% weight);
 - vi. Parts processed in the 3 Zinc/Chromate Electroplating Lines and Phosphate Conversion Coating Line (tons/month & tons/year); and
 - vii. Monthly and annual emissions of !VARIABLE CO₂e, CO, NO_x, PM, PM₁₀, SO₂, VOM and HAPs from the source with supporting calculations (tons/month and tons/year).
- b. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five (5) years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer storage device) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.
- 17a. Pursuant to 40 CFR 63.11509(b), if you own or operate an affected source, you must submit a Notification of Compliance Status in accordance with 40 CFR 63.11509(b)(1) through (3).
- i. The Notification of Compliance Status must be submitted before the close of business on the compliance date specified in 40 CFR 63.11506, "What are my compliance dates?"
 - ii. The Notification of Compliance Status must include the items specified in 40 CFR 63.11509(b)(2)(i) through (iv).
 - A. List of affected sources and the plating and polishing metal HAP used in, or emitted by, those sources.
 - B. Methods used to comply with the applicable management practices and equipment standards.
 - C. Description of the capture and emission control systems used to comply with the applicable equipment standards.
 - D. Statement by the owner or operator of the affected source

as to whether the source is in compliance with the applicable standards or other requirements.

- iii. If a facility makes a change to any items in 40 CFR 63.11509(b)(2)(i), iii, and (iv) that does not result in a deviation, an amended Notification of Compliance Status should be submitted within 30 days of the change.
- b. Pursuant to 40 CFR 63.11509(c), if you own or operate an affected source, you must prepare an annual certification of compliance report according to 40 CFR 63.11509(c)(1) through (7). These reports do not need to be submitted unless a deviation from the requirements of 40 CFR 63 Subpart WWWWWW has occurred during the reporting year, in which case, the annual compliance report must be submitted along with the deviation report.
 - i. If you own or operate an affected tank or other affected plating and polishing operation that is subject to the management practices specified in 40 CFR 63.11507(g), "What are my standards and management practices?" you must state in your annual compliance certification that you have implemented the applicable management practices, as practicable.
 - ii. Each annual compliance report must be prepared no later than January 31 of the year immediately following the reporting period and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance report must be submitted along with the deviation report, and postmarked or delivered no later than January 31 of the year immediately following the reporting period.
- c. Pursuant to 40 CFR 63.11509(d), if you own or operate an affected source, and any deviations from the compliance requirements specified in 40 CFR 63 Subpart WWWWWW occurred during the year, you must report the deviations, along with the corrective action taken, and submit this report to the Illinois EPA.
- 18. Pursuant to 35 Ill. Adm. Code 212.110(d), a person planning to conduct testing for particulate matter emissions to demonstrate compliance shall give written notice to the Illinois EPA of that intent. Such notification shall be given at least thirty (30) days prior to the initiation of the test unless a shorter period is agreed to by the Illinois EPA. Such notification shall state the specific test methods from 35 Ill. Adm. Code 212.110 that will be used.
- 19a. If there is an exceedance of or a deviation from the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance or deviation. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or deviation and efforts

to reduce emissions and future occurrences.

- b. Two (2) copies of required reports and notifications shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control
5407 North University
Peoria, Illinois 61614

If you have any questions on this, please call Randy Solomon at 217/785-1705.

Edwin C. Bakowski, P.E.
Manager, Permit Section
Division of Air Pollution Control

Date Signed: _____

ECB:RBS:

cc: Illinois EPA Region 2
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the Job Shop Electroplating Facility operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. The resulting maximum emissions are below the levels, (e.g., 100 tons/year for VOM, 10 tons/year for any single HAP, and 25 tons/year for any combination of such HAP) at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled, and control measures are more effective than required in this permit.

<u>Emission Unit</u>	E M I S S I O N S (Tons/Year)						Single <u>HAP</u>	Combined <u>HAPs</u>
	<u>CO</u>	<u>NO_x</u>	<u>PM</u>	<u>SO₂</u>	<u>VOM</u>			
3 Zinc/Chromate Electroplating Lines Phosphate Conversion Coating Line			1.32				5.40*	5.84*, **
Four Heat Treating Furnaces (Combustion) Quench Oil/Heat Treating Process	12.68	15.10	1.15	0.09	0.83			
Wastewater Pretreatment System			1.76		78.00		0.44*	0.88*, **
3 Chromate Plating Lines			<u>1.32</u>	<u>--</u>	<u>--</u>		<u>0.44**</u>	<u>0.44</u>
Totals	12.68	15.1	6.00	0.9	78.83		9.34	12.56

* Hydrogen Chloride (HCl)

** Chromium Compounds

Attachment B - Table 1 to Subpart W of Part 63—Applicability of General Provisions to Plating and Polishing Area Sources

As required in 40 CFR 63.11510, "What General Provisions apply to this subpart?", you must meet each requirement in the following table that applies to you.

Citation	Subject
63.1 ¹	Applicability.
63.2	Definitions.
63.3	Units and abbreviations.
63.4	Prohibited activities.
63.6(a), (b)(1)-(b)(5), (c)(1), (c)(2), (c)(5), and (j)	Compliance with standards and maintenance requirements.
63.10(a), (b)(1), (b)(2)(i)-(iii), (xiv), (b)(3), (d)(1), (f)	Recordkeeping and reporting.
63.12	State authority and delegations.
63.13	Addresses of State air pollution control agencies and EPA regional offices.
63.14	Incorporation by reference.
63.15	Availability of information and confidentiality.

¹ 40 CFR 63.11505(e), "What parts of my plant does this subpart cover?", exempts affected sources from the obligation to obtain title V operating permits.