217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT – NSPS & NESHAP SOURCE - RENEWAL

PERMITTEE

John Deere Seeding Group/Cylinder Division
Attn: Lorri Schrock
501 River Drive
Moline, Illinois 61265

Application No.: 02120043 I.D. No.: 161045AAE
Applicant's Designation: Date Received: February 14, 2006
Subject: Agricultural Equipment Manufacturing
Date Issued: Expiration Date:
Location: 501 River Drive, Moline, Rock Island County

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

Three (3) Flow Coaters (P24, P25, P26) with Curing Oven (P28) Controlled by Permanent Total Enclosure (PTE);
Filters and Regenerative Thermal Oxidizer (RTO);
Touchup Operation Including One Coating Booth (P13) with Filters;
One Protective Coating Spray Operation (KATS);
Miscellaneous Solvents Including 22 Barrel Washers and Parts Washers, Rust Preventative, and Cleaning Solvents;
Two (2) Nickel Chrome Plating Lines (C49, New) with Separate Scrubbing Systems for the Chrome and Nickel Plating Tanks;
One (1) Nickel plate tank with composite mesh pad scrubber;
One (1) Chrome plate tank with composite mesh pad scrubber;
One (1) 4-Stage HEPA Filter Unit (compose of 12 removable HEPA filter);
Fifteen (15) Ancillary tanks for nickel/chrome plating line;
One (1) 33.5 mmBtu/hr Natural Gas-Fired Boiler – (P5);
Two (2) 14.7 mmBtu/hr Natural Gas-Fired Boilers – (P6, C21);
One (1) 11.91 mmBtu/hr Natural Gas-Fired Boiler – (C20);
One (1) 3 mmBtu/hr Natural Gas-Fired Heat Treatment Oven – (C4);
One (1) 0.8 mmBtu/hr Natural Gas-Fired Grieve Hydrogen Release Oven – (C6);
One (1) 0.8 mmBtu/hr Natural Gas-Fired OSI Shrink Wrap Oven – (P15);
Two (2) Natural Gas-Fired Curing Oven Burners (2.5 mmBtu/hr, each) – (P28-1, P28-2);
Two (2) Natural Gas-Fired Curing Oven Burners (1.6 mmBtu/hr, each) – P28-3, P28-4);
Two (2) 0.75 mmBtu/hr Natural Gas-Fired Parts Dryers – (P23-1, P23-2);
Five (5) Natural Gas Direct-Fired Heaters (2-1.25mmBtu/hr, 1-1.5 mmBtu/hr, 1-0.75 mmBtu/hr, 1-1.0 mmBtu/hr) – (P37-P41);
Six (6) Natural Gas Direct-Fired Heaters (1.5 mmBtu/hr each) – (P42-P47);
Two (2) Natural Gas-Fired RTO Burners (4 mmBtu/hr each);
Two (2) 10,000 Gallon Solvent Storage Tank (P29-1 & P29-2);
Two (2) 500 Gallon Gasoline Storage Tank; and
One (1) Lime Mixing Area;

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 ton/year for any single Hazardous Air Pollutant (HAP), and 25 ton/year for any combination of such HAPs). As a result the source is excluded from the requirement 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 permits issued for this location.

2. The 14.7 mmBtu/hr boiler is subject to the New Source Performance Standards (NSPS) for Small Industrial - Commercial - Institutional Steam Generating Units, 40 CFR 60, Subparts A and Dc. The Illinois EPA is administering the NSPS in Illinois on behalf of the United States EPA under a delegation agreement.

3a. The chromium electroplating tanks in the plating lines and the nickel/chromium plating line are 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, Subparts A and N. The Illinois EPA is administering the NESHAP in Illinois on behalf of the United States EPA under a delegation agreement.

b. Pursuant to 40 CFR 63.342(a), each owner or operator of an affected source subject to the provisions of 40 CFR 63 Subpart N shall comply with these requirements on and after the compliance dates specified in 40 CFR 63.343(a). All affected sources are regulated by applying maximum achievable control technology.

c. Pursuant to 40 CFR 63.342(b)(1), the emission limitations in 40 CFR 63.342 apply during tank operation as defined in 40 CFR 63.341, and during periods of startup and shutdown as these are routine occurrences for affected sources subject to 40 CFR 63 Subpart N. The emission limitations do not apply during periods of malfunction, but the work practice standards that address operation and maintenance and that are required by 40 CFR 63.342(f) must be followed during malfunctions.

d. Pursuant to 40 CFR 63.342(c)(1)(i), during tank operation, each owner or operator of an existing, new, or reconstructed affected source shall control chromium emissions discharged to the atmosphere from that affected source by not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.015 milligrams of total chromium per dry standard cubic meter (mg/dscm) of ventilation air (6.6×10^{-6} grains per dry standard cubic foot (gr/dscf)) for all open surface hard chromium electroplating tanks that

are affected sources other than those that are existing affected sources located at small hard chromium electroplating facilities.

4. The gasoline tanks are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Source Category: Gasoline Dispensing Facilities, 40 CFR 63, Subparts A and CCCCCC. The Illinois EPA is administrating the NESHAP on behalf of USEPA under a delegation agreement.

5a. The nickel/chromium plating line is 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 WWWWWW. The Illinois EPA is administering the NESHAP in Illinois on behalf of the United States EPA under a delegation agreement. Pursuant to 40 CFR 63.11506(c), if you own or operate a new affected source for which the initial startup date is after July 1, 2008, you must achieve compliance with the provisions of 40 CFR 63 Subpart WWWWWW upon initial startup of your affected source.

b. Pursuant to 40 CFR 63.11507(a), if you own or operate an affected new or existing non-cyanide electroplating, electroforming, or electropolishing tank (hereafter referred to as an “electrolytic” process tank, as defined in 40 CFR 63.11511) that contains one or more of the plating and polishing metal HAP and operates at a pH of less than 12, you must comply with the requirements in 40 CFR 63.11507(a)(1), (2), or (3), and implement the applicable management practices in 40 CFR 63.11507(g), as practicable:

i. You must use a wetting agent/fume suppressant, as defined in 40 CFR 63.11511, in the bath of the affected tank according to 40 CFR 63.11507(a)(1)(i) through (iii).

A. You must initially add the wetting agent/fume suppressant in the amounts recommended by the manufacturer for the specific type of electrolytic process.

B. You must add wetting agent/fume suppressant in proportion to the other bath chemistry ingredients that are added to replenish the tank bath, as in the original make-up of the tank.

C. If a wetting agent/fume suppressant is included in the electrolytic process bath chemicals used in the affected tank according to the manufacturer’s instructions, it is not necessary to add additional wetting agent/fume suppressants to the tank to comply with 40 CFR 63 Subpart WWWWWW.

ii. You must capture and exhaust emissions from the affected tank to any one of the following emission control devices: composite mesh pad, packed bed scrubber, or mesh pad mist eliminator, according to 40 CFR 63.11507(a)(2)(i) and (ii).

A. You must operate all capture and control devices according to the manufacturer’s specifications and operating instructions.

B. You must keep the manufacturer's specifications and operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

iii. You must cover the tank surface according to 40 CFR 63.11507(a)(3)(i) or (ii).

A. For batch electrolytic process tanks, as defined in 40 CFR 63.11511, you must use a tank cover, as defined in 40 CFR 63.11511, over all of the effective surface area of the tank for at least 95 percent of the electrolytic process operating time.

B. For continuous electrolytic process tanks, as defined in 40 CFR 63.11511, you must cover at least 75 percent of the surface of the tank, as defined in 40 CFR 63.11511, whenever the electrolytic process tank is in operation.

c. Pursuant to 40 CFR 63.11507(b) if you own or operate an affected new or existing “flash” or short-term electroplating tank, as defined in 40 CFR 63.11511, that uses or emits one or more of the plating and polishing metal HAP, you must comply with the requirements specified in 40 CFR 63.11507(b)(1) or (b)(2), and implement the applicable management practices in 40 CFR 63.11507(g), as practicable.

i. You must limit short-term or “flash” electroplating to no more than 1 cumulative hour per day or 3 cumulative minutes per hour of plating time.

ii. You must use a tank cover, as defined in 40 CFR 63.11511, for at least 95 percent of the plating time.

d. Pursuant to 40 CFR 63.11507(c), if you own or operate an affected new or existing process tank that is used both for short-term electroplating and for electrolytic processing of longer duration (i.e., processing that does not meet the definition of short-term or flash electroplating) and contains one or more of the plating and polishing metal HAP, you must meet the requirements specified in 40 CFR 63.11507(a) or (b), whichever apply to the process operation, and implement the applicable management practices in 40 CFR 63.11507(g), as practicable.

e. Pursuant to 40 CFR 63.11507(d), if you own or operate an affected new or existing electroplating tank that uses cyanide in the plating bath, operates at pH greater than or equal to 12, and contains one or more of

the plating and polishing metal HAP, you must comply with the requirements in 40 CFR 63.11507(d)(1) and (2):

i. You must measure and record the pH of the tank upon start-up. No additional pH measurements are required.

ii. You must implement the applicable management practices in 40 CFR 63.11507(g), as practicable.

f. Pursuant to 40 CFR 63.11507(e), if you own or operate an affected new or existing dry mechanical polishing equipment that emits one or more of the plating and polishing metal HAP, you must operate a capture system that captures particulate matter (PM) emissions from the dry mechanical polishing process and transports the emissions to a cartridge, fabric, or high efficiency particulate air (HEPA) filter, according to 40 CFR 63.11507(e)(1) and (2).

i. You must operate all capture and control devices according to the manufacturer's specifications and operating instructions.

ii. You must keep the manufacturer's specifications and operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

g. Pursuant to 40 CFR 63.11507(f), if you own or operate an affected thermal spraying operation that applies one or more of the plating and polishing metal HAP, you must meet the applicable requirements specified in 40 CFR 63.11507(f)(1) through (3), and the applicable management practices in 40 CFR 63.11507(g).

i. For existing permanent thermal spraying operations, you must operate a capture system that collects PM emissions from the thermal spraying process and transports the emissions to a water curtain, fabric filter, or HEPA filter, according to 40 CFR 63.11507(f)(1)(i) and (ii).

A. You must operate all capture and control devices according to the manufacturer’s specifications and instructions.

B. You must keep the manufacturer’s operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

ii. For new permanent thermal spraying operations, you must operate a capture system that collects PM emissions from the thermal spraying process and transports the emissions to a fabric or HEPA filter, according to 40 CFR 63.11507(f)(2)(i) and (ii).

A. You must operate all capture and control devices according to the manufacturer's specifications and instructions.

B. You must keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

iii. For temporary thermal spraying operations, as defined in 40 CFR 63.11511, you must meet the applicable requirements specified in 40 CFR 63.11507(f)(3)(i) and (ii).

A. You must document the amount of time the thermal spraying occurs each day, and where it is conducted.

B. You must implement the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

h. 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 drag out 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.

6a. 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), 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).

7. Pursuant to 35 Ill. Adm. Code 214.301, no person shall cause or allow the emission of sulfur dioxide into the atmosphere from any process emission source to excess 2000 ppm.

8a. Pursuant to 35 Ill. Adm. Code 215.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 l (250 gal), unless such

tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the Illinois EPA according to the provisions of 35 Ill. Adm. Code 201 or unless such tank is a pressure tank as described in 35 Ill. Adm. Code 215.121(a) or is fitted with a recovery system as described in 35 Ill. Adm. Code 215.121(b)(2).

b. Pursuant to 35 Ill. Adm. Code 215.204(k)(2), no owner or operator of a coating line shall cause or allow the emission of volatile organic material to exceed the following limitations on coating materials, excluding water and any compounds which are specifically exempted from the definition of volatile organic material pursuant to 35 Ill. Adm. Code Part 215, delivered to the coating applicator:

Heavy Off-highway Vehicle Products	kg/l	lb/gal
In the remaining counties		
Extreme performance prime coat	0.42	(3.5)
Extreme performance top coat-air dried	0.52	(4.3)
Final repair coat- air dried	0.58	(4.8)

c. Pursuant to 35 Ill. Adm. Code 215.205(b), owners or operators of coating lines subject to 35 Ill. Adm. Code 215.204 may comply with 35 Ill. Adm. Code 215.205, rather than with 35 Ill. Adm. Code 215.204. The methods or procedures used to determine emissions of organic material under 35 Ill. Adm. Code 215.205 shall be approved by the Illinois EPA. Emissions of volatile organic material from emission units subject to 35 Ill. Adm. Code 215.204, are allowable, notwithstanding the limitations in 35 Ill. Adm. Code 215.204, if for all other emission units subject to 35 Ill. Adm. Code 215.204, the emissions are controlled by an afterburner system which provides:

i. 81% reduction in the overall emissions of volatile organic material from the coating line, and

ii. Oxidation to carbon dioxide and water of 90% of the no methane volatile organic material (measured at total combustible carbon) which enters the afterburner.

d. 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 source, 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 shall apply only to photochemically reactive material.

e. Pursuant to 35 Ill. Adm. Code 215.583(a)(1), no person shall cause or allow the transfer of gasoline from any delivery vessel into any stationary storage tank at a gasoline dispensing facility unless the tank is equipped with a submerged loading pipe.

9. Pursuant to 35 Ill. Adm. Code Section 216.121, no person shall cause or allow the emission of carbon monoxide (CO) into the atmosphere from any fuel combustion emission source with actual heat input greater than 10 mmBtu/hour to exceed 200 ppm, corrected to 50 percent excess air.

10. This permit is issued based on the flow coating operations not being subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Paint Stripping And Miscellaneous Surface Coating Operations At Area Sources, 40 CFR 63 Subpart HHHHHH. Pursuant to 40 CFR 63.11170(a)(3), you are subject to 40 CFR 63 Subpart HHHHHH if you operate an area source of HAP as defined in 40 CFR 63.11170(b), including sources that are part of a tribal, local, State, or Federal facility and you perform spray application of coatings that contain the target HAP, as defined in 40 CFR 63.11180, to a plastic and/or metal substrate on a part or product, except spray coating applications that meet the definition of facility maintenance or space vehicle in 40 CFR 63.11180.

11. 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.

12a. Pursuant to 35 Ill. Adm. Code 215.122(c), if no odor nuisance exists the limitations of 35 Ill. Adm. Code 215.122 shall only apply to the loading of volatile organic liquid with a vapor pressure of 17.24 kPa (2.5 psia) or greater at 294.3^{o}K (70°F).

b. Pursuant to 35 Ill. Adm. Code 215.209, no coating line subject to the limitations of 35 Ill. Adm. Code 215.204 is required to meet 35 Ill. Adm. Code 215.301 or 215.302 after the date by which the coating line is required to meet 35 Ill. Adm. Code 215.204.

13. Pursuant to 40 CFR 60.11(d), at all times, including periods of startup, shutdown, and malfunction, owners and operators shall to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Illinois EPA or USEPA which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

14a. Pursuant to 40 CFR 63.6(e)(1)(i), at all times, including periods of startup, shutdown, and malfunction, the owner or operator must operate

and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. During a period of startup, shutdown, or malfunction, this general duty to minimize emissions requires that the owner or operator reduce emissions from the affected source to the greatest extent which is consistent with safety and good air pollution control practices. The general duty to minimize emissions during a period of startup, shutdown, or malfunction does not require the owner or operator to achieve emission levels that would be required by the applicable standard at other times if this is not consistent with safety and good air pollution control practices, nor does it require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures (including the startup, shutdown, and malfunction plan required in 40 CFR 63.6(e)(3)), review of operation and maintenance records, and inspection of the source.

b. Pursuant to 40 CFR 63.6(e)(1)(ii), malfunctions must be corrected as soon as practicable after their occurrence. To the extent that an unexpected event arises during a startup, shutdown, or malfunction, an owner or operator must comply by minimizing emissions during such a startup, shutdown, and malfunction event consistent with safety and good air pollution control practices.

15a. Pursuant to 40 CFR 63.342(f), all owners or operators subject to the standards in 40 CFR 63.342(c) and (d) are subject to these operation and maintenance practices.

i. A. At all times, including periods of startup, shutdown, and malfunction, owners or operators shall operate and maintain any affected source, including associated air pollution control devices and monitoring equipment, in a manner consistent with good air pollution control practices.

B. Malfunctions shall be corrected as soon as practicable after their occurrence.

C. Operation and maintenance requirements established pursuant to Section 112 of the Clean Air Act are enforceable independent of emissions limitations or other requirements in relevant standards.

ii. A. Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the Illinois EPA or USEPA, which may include, but is not limited to, monitoring results; review of the operation and maintenance plan, procedures, and records; and inspection of the source.

B. Based on the results of a determination made under 40 CFR 63.342(f)(2)(i), the Illinois EPA or USEPA may require that an owner or operator of an affected source make changes to the operation and maintenance plan required by 40 CFR 63.342(f)(3) for that source. Revisions may be required if the Illinois EPA or USEPA finds that the plan:

I. Does not address a malfunction that has occurred;

II. Fails to provide for the proper operation of the affected source, the air pollution control techniques, or the control system and process monitoring equipment during a malfunction in a manner consistent with good air pollution control practices; or

III. Does not provide adequate procedures for correcting malfunctioning process equipment, air pollution control techniques, or monitoring equipment as quickly as practicable.

iii. Operation and maintenance plan.

A. The owner or operator of an affected source subject to 40 CFR 63.342(f) shall prepare an operation and maintenance plan no later than the compliance date, except for hard chromium electroplaters and the chromium anodizing operations in California which have until January 25, 1998. The plan shall be incorporated by reference into the source’s title V permit, if and when a title V permit is required. The plan shall include the following elements:

I. The plan shall specify the operation and maintenance criteria for the affected source, the add-on air pollution control device (if such a device is used to comply with the emission limits), and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of this equipment;

II. For sources using an add-on air pollution control device or monitoring equipment to comply with 40 CFR 63 Subpart N, the plan shall incorporate the work practice standards for that device or monitoring equipment, as identified in Table 1 of 40 CFR 63.342, if the specific equipment used is identified in Table 1 of 40 CFR 63.342;

III. If the specific equipment used is not identified in Table 1 of 40 CFR 63.342, the plan shall incorporate proposed operation and maintenance practices. These

proposed operation and maintenance practices shall be submitted for approval as part of the submittal required under 40 CFR 63.343(d);

IV. The plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur; and

V. The plan shall include a systematic procedure for identifying malfunctions of process equipment, add-on air pollution control devices, and process and control system monitoring equipment and for implementing corrective actions to address such malfunctions.

B. If the operation and maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the operation and maintenance plan within 45 days after such an event occurs. The revised plan shall include procedures for operating and maintaining the process equipment, add-on air pollution control device, or monitoring equipment during similar malfunction events, and a program for corrective action for such events.

C. Recordkeeping associated with the operation and maintenance plan is identified in 40 CFR 63.346(b). Reporting associated with the operation and maintenance plan is identified in 40 CFR 63.347(g) and (h) and 40 CFR 63.342(f)(3)(iv).

D. If actions taken by the owner or operator during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan required by 40 CFR 63.342(f)(3)(i), the owner or operator shall record the actions taken for that even and shall report by phone such actions within 2 working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within 7 working days after the end of the event, unless the owner or operator makes alternative reporting arrangements, in advance, with the Illinois EPA or USEPA.

E. The owner or operator shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by the Illinois EPA or USEPA for the life of the affected source or until the source is no longer subject to the provisions of 40 CFR 63 Subpart N. In addition, if the operation and maintenance plan is revised, the owner or operator shall keep previous

(i.e., superseded) versions of the operation and maintenance plan on record to be made available for inspection, upon request, by the Illinois EPA or USEPA for a period of 5 years after each revision to the plan.

F. To satisfy the requirements of 40 CFR 63.342(f)(3), the owner or operator may use applicable standard operating procedure (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans, provided the alternative plans meet the requirements of 40 CFR 63.342.

b. Pursuant to 40 CFR 63.342(g), the standards in 40 CFR 63.342 that apply to chromic acid baths shall not be met by using a reducing agent to change the form of chromium from hexavalent to trivalent.

16a. Pursuant to 40 CFR 63.11116(a), the Permittee must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:

i. Minimize gasoline spills;

ii. Clean up spills as expeditiously as practicable;

iii. Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasket seal when not in use; and

iv. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

b. Pursuant to 40 CFR 63.11116(c), you must comply with the requirements of 40 CFR 63 Subpart CCCCCC by the applicable dates specified in 40 CFR 63.11113.

17a. 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).

b. 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.

c. Pursuant to 40 CFR 63.11508(c), to demonstrate initial compliance, you must satisfy the requirements specified in 40 CFR 63.11508(c)(1) through (11).

i. If you own or operate an affected electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(a) and you use a wetting agent/fume suppressant to

comply with 40 CFR 63 Subpart WWWWWW, you must demonstrate initial compliance according to 40 CFR 63.11508(c)(1)(i) through (iv).

A. You must add wetting agent/fume suppressant to the bath of each affected tank according to manufacturer's specifications and instructions.

B. You must state in your Notification of Compliance Status that you add wetting agent/fume suppressant to the bath according to manufacturer’s specifications and instructions.

C. You must implement the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

D. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

ii. If you own or operate an affected electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(a) and you use a control system, as defined in 40 CFR 63.11511, to comply with 40 CFR 63 Subpart WWWWWW, you must demonstrate initial compliance according to 40 CFR 63.11508(c)(2)(i) through (v).

A. You must install a control system designed to capture emissions from the affected tank and exhaust them to a composite mesh pad, packed bed scrubber, or mesh pad mist eliminator.

B. You must state in your Notification of Compliance Status that you have installed the control system according to the manufacturer's specifications and instructions.

C. You must implement the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

D. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

E. You must follow the manufacturer's specifications and operating instructions for the control systems at all times.

iii. If you own or operate an affected batch electrolytic process tank, as defined in 40 CFR 63.11511, that contains one or more of the plating and polishing metal HAP and which is subject to the requirements in 40 CFR 63.11507(a) and you use a tank cover, as

defined in 40 CFR 63.11511, to comply with 40 CFR 63 Subpart WWWWWW, you must demonstrate initial compliance according to 40 CFR 63.11508(c)(3)(i) through (iv).

A. You must install a tank cover on the affected tank.

B. You must state in your Notification of Compliance Status that you operate the tank with the cover in place at least 95 percent of the electrolytic process operating time.

C. You must implement the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

D. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

iv. If you own or operate an affected continuous electrolytic process tank, as defined in 40 CFR 63.11511, that contains one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(a) and you cover the tank surface to comply with 40 CFR 63 Subpart WWWWWW, you must demonstrate initial compliance according to 40 CFR 63.11508(c)(4)(i) through (iv).

A. You must cover at least 75 percent of the surface area of the affected tank.

B. You must state in your Notification of Compliance Status that you operate the tank with the surface cover in place whenever the continuous electrolytic process is in operation.

C. You must implement the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

D. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

v. If you own or operate an affected flash or short-term electroplating tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(b) and you comply with 40 CFR 63 Subpart WWWWWW by limiting the plating time of the affected tank, you must demonstrate initial compliance according to 40 CFR 63.11508(c)(5)(i) through (iii).

A. You must state in your Notification of Compliance Status that you limit short-term or flash electroplating to no more than 1 cumulative hour per day, or 3 cumulative minutes per hour of plating time.

B. You must implement the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

C. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

vi. If you own or operate an affected flash or short-term electroplating tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(b) and you comply by operating the affected tank with a cover, you must demonstrate initial compliance according to 40 CFR 63.11508(c)(6)(i) through (iv).

A. You must install a tank cover on the affected tank.

B. You must state in your Notification of Compliance Status that you operate the tank with the cover in place at least 95 percent of the plating time.

C. You must implement the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

D. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

vii. If you own or operate an affected tank that contains one or more of the plating and polishing metal HAP, uses cyanide in the bath, and is subject to the management practices specified in 40 CFR 63.11507(d), you must demonstrate initial compliance according to 40 CFR 63.11508(c)(7)(i) through (iii).

A. You must report in your Notification of Compliance Status the pH of the bath solution that was measured at start-up, according to the requirements of 40 CFR 63.11507(d)(1).

B. You must implement the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

C. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in 40 CFR 63.11490(g), as practicable.

viii. If you own or operate an affected dry mechanical polishing operation that emits one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(e), you must demonstrate initial compliance according to 40 CFR 63.11508(c)(8)(i) through (iii).

A. You must install a control system that is designed to capture PM emissions from the polishing operation and exhaust them to a cartridge, fabric, or HEPA filter.

B. You must state in your Notification of Compliance Status that you have installed the control system according to the manufacturer's specifications and instructions.

C. You must keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

xi. If you own or operate an existing affected permanent thermal spraying operation that applies one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(f)(1), you must demonstrate initial compliance according to 40 CFR 63.11508(c)(9)(i) through (iii).

A. You must install a control system that is designed to capture PM emissions from the thermal spraying operation and exhaust them to a water curtain, fabric filter, or HEPA filter.

B. You must state in your Notification of Compliance Status that you have installed and are operating the control system according to the manufacturer’s specifications and instructions.

C. You must keep the manufacturer’s operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

x. If you own or operate a new affected permanent thermal spraying operation that applies one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(f)(2), you must demonstrate initial compliance according to 40 CFR 63.11508(c)(10)(i) through (iii).

A. You must install and operate a control system that is designed to capture PM emissions from the thermal spraying operation and exhaust them to a fabric or HEPA filter.

B. You must state in your Notification of Compliance Status that you have installed and operate the control system according to the manufacturer’s specifications and instructions.

C. You must keep the manufacturer’s operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

xi. If you own or operate an affected temporary thermal spraying operation that applies one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(f)(3), you must demonstrate initial compliance according to 40 CFR 63.11508(c)(11)(i) and (ii).

A. You must implement the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

B. You must state in your Notification of Compliance Status that you have implemented the applicable management practices specified in 40 CFR 63.11507(g), as practicable.

d. Pursuant to 40 CFR 63.11508(d), to demonstrate continuous compliance with the applicable management practices and equipment standards specified in 40 CFR 63 Subpart WWWWWW, you must satisfy the requirements specified in 40 CFR 63.11508(d)(1) through (8).

i. You must always operate and maintain your affected source, including air pollution control equipment.

ii. You must prepare an annual compliance certification according to the requirements specified in 40 CFR 63.11509(c) and keep it in a readily-accessible location for inspector review.

iii. If you own or operate an affected electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(a) and you use a wetting agent/fume suppressant to comply with 40 CFR 63 Subpart WWWWWW, you must demonstrate continuous compliance according to 40 CFR 63.11508(d)(3)(i) through (iii).

A. You must record that you have added the wetting agent/fume suppressant to the tank bath in the original make-up of the tank.

B. For tanks where the wetting agent/fume suppressant is a separate purchased ingredient from the other tank additives, you must demonstrate continuous compliance according to 40 CFR 63.11508(d)(3)(ii)(A) and (B).

I. You must add wetting agent/fume suppressant in proportion to the other bath chemistry ingredients that are added to replenish the tank bath, as in the original make-up of the tank.

II. You must record each addition of wetting agent/fume suppressant to the tank bath.

C. You must state in your annual compliance certification that you have added wetting agent/fume suppressant to the bath

according to the manufacturer’s specifications and instructions.

iv. If you own or operate an affected electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(a) and you use a control system to comply with 40 CFR 63 Subpart WWWWWW; an affected dry mechanical polishing operation that is subject to 40 CFR 63.11507(e); or an affected thermal spraying operation that is subject to 40 CFR 63.11507(f)(1) or (2), you must demonstrate continuous compliance according to 40 CFR 63.11508(d)(4)(i) through (v).

A. You must operate and maintain the control system according to the manufacturer's specifications and instructions.

B. Following any malfunction or failure of the capture or control devices to operate properly, you must take immediate corrective action to return the equipment to normal operation according to the manufacturer’s specifications and operating instructions.

C. You must state in your annual certification that you have operated and maintained the control system according to the manufacturer's specifications and instructions.

D. You must record the results of all control system inspections, deviations from proper operation, and any corrective action taken.

E. You must keep the manufacturer’s operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

v. If you own or operate an affected flash or short-term electroplating tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(b) and you comply with 40 CFR 63 Subpart WWWWWW by limiting the plating time for the affected tank, you must demonstrate continuous compliance according to 40 CFR 63.11508(d)(5)(i) through (iii).

A. You must limit short-term or flash electroplating to no more than 1 cumulative hour per day or 3 cumulative minutes per hour of plating time.

B. You must record the times that the affected tank is operated each day.

C. You must state in your annual compliance certification that you have limited short-term or flash electroplating to no

more than 1 cumulative hour per day or 3 cumulative minutes per hour of plating time.

vi. If you own or operate an affected batch electrolytic process tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements of 40 CFR 63.11507(a) or a flash or short-term electroplating tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(b) and you comply by operating the affected tank with a cover, you must demonstrate continuous compliance according to 40 CFR 63.11508(d)(6)(i) through (iii).

A. You must operate the tank with the cover in place at least 95 percent of the electrolytic process operating time.

B. You must record the times that the tank is operated and the times that the tank is covered on a daily basis.

C. You must state in your annual certification that you have operated the tank with the cover in place at least 95 percent of the electrolytic process time.

vii. If you own or operate an affected continuous electrolytic process tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in 40 CFR 63.11507(a) and you cover your tanks to comply with 40 CFR 63 Subpart WWWWWW, you must demonstrate continuous compliance according to 40 CFR 63.11508(d)(7)(i) and (ii).

A. You must operate the tank with at least 75 percent of the surface covered during all periods of electrolytic process operation.

B. You must state in your annual certification that you have operated the tank with 75 percent of the surface covered during all periods of electrolytic process operation.

viii. 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), you must demonstrate continuous compliance according to 40 CFR 63.11508(d)(8)(i) and (ii).

A. You must implement the applicable management practices during all times that the affected tank or process is in operation.

B. You must state in your annual compliance certification that you have implemented the applicable management practices, as practicable.

18a. Pursuant to 35 Ill. Adm. Code 212.306, all normal traffic pattern access areas surrounding storage piles specified in 35 Ill. Adm. Code

212.304 and all normal traffic pattern roads and parking facilities which are located on mining or manufacturing property shall be paved or treated with water, oils or chemical dust suppressants. All paved areas shall be cleaned on a regular basis. All areas treated with water, oils or chemical dust suppressants shall have the treatment applied on a regular basis, as needed, in accordance with the operating program required by 35 Ill. Adm. Code 212.309, 212.310 and 212.312.

b. Pursuant to 35 Ill. Adm. Code 212.309(a), the emission units described in 35 Ill. Adm. Code 212.304 through 212.308 and 35 Ill. Adm. Code 212.316 shall be operated under the provisions of an operating program, consistent with the requirements set forth in 35 Ill. Adm. Code 212.310 and 212.312, and prepared by the owner or operator and submitted to the Illinois EPA for its review. Such operating program shall be designed to significantly reduce fugitive particulate matter emissions.

c. Pursuant to 35 Ill. Adm. Code 212.310, as a minimum the operating program shall include the following:

i. The name and address of the source;

ii. The name and address of the owner or operator responsible for execution of the operating program;

iii. A map or diagram of the source showing approximate locations of storage piles, conveyor loading operations, normal traffic pattern access areas surrounding storage piles and all normal traffic patterns within the source;

iv. Location of unloading and transporting operations with pollution control equipment;

v. A detailed description of the best management practices utilized to achieve compliance with 35 Ill. Adm. Code 212 Subpart K, including an engineering specification of particulate collection equipment, application systems for water, oil, chemicals and dust suppressants utilized and equivalent methods utilized;

vi. Estimated frequency of application of dust suppressants by location of materials; and

vii. Such other information as may be necessary to facilitate the Illinois EPA's review of the operating program.

d. Pursuant to 35 Ill. Adm. Code 212.312, the operating program shall be amended from time to time by the owner or operator so that the operating program is current. Such amendments shall be consistent with 35 Ill. Adm. Code 212 Subpart K and shall be submitted to the Illinois EPA for its review.

19a. 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 operate and maintain the afterburner (RTO) and capture system such that the overall reduction of VOM emissions are at least 96.5% from the flow coating and curing operations. Except as allowed by Condition b below, the parts at the end of the shift will be cured to the touch within the permanent total enclosure and VOM/HAP emissions generated during drying/curing controlled by the RTO.

c. The Permanent Total Enclosure for the flow coating lines and curing oven shall be constructed to comply with requirements of the Procedure T and meet the criteria of a Permanent Total Enclosure (as defined in 35 Ill. Adm. Code 218, Appendix B, Procedure T).

d. The afterburner combustion chamber shall be preheated to at least 1511°F at which compliance was demonstrated in the most recent compliance test. This temperature shall be maintained during operation. If the combustion chamber falls below 1511°F, the Permittee shall shut down operations upon discovery, make necessary repairs, and maintain records of the corrective actions on-site.

e. The Permittee shall, in accordance with the manufacturer(s) and/or vendor(s) recommendations, perform periodic maintenance on the capture system and Regenerative Thermal Oxidizer (RTO) paint booth filters, and composite mesh pad scrubbers such that the capture system and Regenerative Thermal Oxidizer (RTO) paint booth filters, and composite mesh pad scrubbers are kept in proper working condition and not cause a violation of the Illinois Environmental Protection Act or regulations promulgated therein.

f. Gasoline shall be the only material stored in the 500 gallon storage tank. The storage of any other material in the tank may require that the Permittee first obtain a construction permit from the Illinois EPA and then verify compliance with all applicable requirements.

g. The boilers, ovens, dryer, and the Regenerative Thermal Oxidizer (RTO) shall only be operated with natural gas as the fuel. The use of any other fuel in the boilers, ovens, dryer, or the Regenerative Thermal Oxidizer (RTO) 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.

20a. Emissions and operation of all flow coating operations controlled by RTO (including cleanup solvents) shall not exceed the following limits:

Volatile Organic Material Usage (Tons/Month)	Volatile Organic Material Usage (Tons/Year)	Volatile Organic Material Emissions (Tons/Month)	Volatile Organic Material Emissions (Tons/Year)
213	2,133	7.5	74.6

Individual Hazardous Air Pollutants Usage		Individual Hazardous Air Pollutants Emissions	
(Tons/Month)	(Tons/Year)	(Tons/Month)	(Tons/Year)
21.2	212	0.74	7.41

Combined Hazardous Air Pollutant Usage		Combined Hazardous Air Pollutant Emissions	
(Tons/Month)	(Tons/Year)	(Tons/Month)	(Tons/Year)
53.45	534.5	1.87	18.7

These limits are based on the maximum operating rates and an overall reduction of VOM emissions by at least 96.5% (100% capture of the permanent total enclosure, 96.5% destruction of VOM which enters the RTO), and the flow coater's clean-up solvents being applied within the permanent total enclosure.

b. Emissions and operation of all touch-up operations including cleanup shall not exceed the following limits:

VOM/HAP Usage		VOM/HAP Emissions	
(Tons/Month)	(Tons/Year)	(Tons/Month)	(Tons/Year)
0.38	3.81	0.38	3.81

These limits are based on material balance at the maximum material usage.

c. Emissions and operation of the barrel washers, rust preventative, parts washers, and miscellaneous solvents shall not exceed the following limits:

VOM Usage		VOM Emissions	
(Tons/Month)	(Tons/Year)	(Tons/Month)	(Tons/Year)
1.27	12.73	1.27	12.73

These limits are based on material balance at the maximum material usage.

d. Emissions and operation from the following fuel combustion units shall not exceed the following limits:

Emission Units	Natural Gas Usage (mmscf/Month)	Natural Gas Usage (mmscf/Year)
Regenerative Thermal Oxidizer, Four Boilers and Process Ovens/Dryers	99.34	993.38

E M I S S I O N S				
CO	NO_x	PM_{10}	SO_2	VOM

(T/Mo)	(T/Yr)	(T/Mo)	(T/Yr)	(T/Mo)	(T/Yr)	(T/Mo)	(T/Yr)	(T/Mo)	(T/Yr)
4.97	49.67	4.17	41.72	0.38	3.77	0.03	0.30	0.27	2.73

These limits are based on maximum firing rate at continuous operation and AP-42 emission factors (Tables 1.4-1 and 1.4-2, AP-42, Fifth Edition, Volume I, Supplement D, July 1998).

e. Emissions and operations from the protective coating spray operation shall not exceed the following limits:

Protective Coating Usage		Emissions PM		Emissions VOM	
(Tons/Month)	(Tons/Year)	(Tons/Month)	(Tons/Year)	(Tons/Month)	(Tons/Year)
1.08	10.8	0.14	1.40	0.08	0.80

These limits are based upon the information provided in the application, including maximum material usage, the sample coating containing no VOM, and a 50% transfer efficiency. Protective coating materials will vary.

f. Emission and operation from the 10,000 gallon primer solvent storage tank (P29-2) shall not exceed the following limits:

Throughput		VOM Emissions	
(Gallons/Month)	(Gallons/Year)	(Tons/Month)	(Tons/Year)
15,968	159,683	0.02	0.2

These limits are based on standard emission factors using the Tanks program (Version 4.0.9D, October 3, 2005), and the maximum solvent throughput. These limits supersede limits in Application No. 08050040.

g. This permit is issued based on negligible emissions of volatile organic material from Topcoat Solvent storage tank (P29-1). For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 tons/year.

h. Emission and operation from the two gasoline storage tanks shall not exceed the following limits:

Activity	Gasoline Throughput (Gal/Mo)	Gasoline Throughput (Gal/Yr)	VOM Emissions (lbs/Mo)	VOM Emissions (Tons/Yr)
Storage, refueling,& spillage	2,000	20,000	48.5	0.26

These limits are based on the maximum gasoline throughput, standard emission formulas, vehicle refueling (11.0 lb/10^3 gal), and spillage (0.7 lb/10^3 gal) emission factors (Organic Liquids Storage Tank Operations: Section 7.1, AP-42 5th edition, Volume I, November 2006 and utilized in

the TANKS Program Version 4.0.9D, and Truck and Evaporative Emissions From Gasoline Service Station Operations Table 5.2-7, AP-42 5th edition, Volume I, July 2008).

i. This permit is issued based on negligible emissions of particulate matter (PM) from the nickel/chrome plating lines. For this purpose, emissions of PM shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 tons/year.

j. The emissions of Hazardous Air Pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act from this source shall not exceed 0.9 tons/month and 9.0 tons/year of any single HAP and 2.25 tons/month and 22.5 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirements to obtain a CAAPP permit from the Illinois EPA and the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Surface Coating Of Miscellaneous Metal Parts And Products, 40 CFR 63 Subpart MMMM..

k. 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).

21a. 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 Conditions 22 and 23 shall be performed upon a written request from the Illinois EPA by a qualified independent testing service.

22. 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.

23a. Pursuant to 35 Ill. Adm. Code 215.208(a), the VOM content of coatings shall be determined by Method 24, 40 CFR Part 60, Appendix A, except for glues and adhesive coatings, two component reactive coatings forming volatile reaction products, coatings requiring energy other than heat to initiate curing, and coatings requiring high temperature catalysis for curing, providing the person proposing testing of the material submits to the Illinois EPA proof that the Method 24 results would not be representative and proof that a proposed alternative test method gives representative, accurate test results. For printing inks, the volatile organic material content shall be determined by Method 24A, 40 CFR Part 60, Appendix A. Any alternate test method must be approved by the Illinois EPA which shall consider data comparing the performance of the proposed alternative to the performance of the approved test method(s). If the Illinois EPA determines that such data demonstrates that the proposed alternative will achieve results equivalent to the approved test method(s), the Illinois EPA shall approve the proposed alternative.

b. Pursuant to 35 Ill. Adm. Code 215.208(b), transfer efficiency shall be determined by a method, procedure or standard approved by the USEPA, under the applicable new source performance standard or until such time as USEPA has approved and published such a method, procedure or standard, by any appropriate method, procedure or standard approved by the Illinois EPA.

24a. Pursuant to 40 CFR 63.343(c)(1), the owner or operator of an affected source subject to the emission limitations of 40 CFR 63 Subpart N shall conduct monitoring according to the type of air pollution control technique that is used to comply with the emission limitation. The monitoring required to demonstrate continuous compliance with the emission limitations is identified in 40 CFR 63.343 for the air pollution control techniques expected to be used by the owners or operators of affected sources.

i. During the initial performance test, the owner or operator of an affected source, or a group of affected sources under common

control, complying with the emission limitations in 40 CFR 63.342 through the use of a composite mesh-pad system shall determine the outlet chromium concentration using the test methods and procedures in 40 CFR 63.344(c), and shall establish as a site-specific operating parameter the pressure drop across the system, setting the value that corresponds to compliance with the applicable emission limitation, using the procedures in 40 CFR 63.344(d)(5). An owner or operator may conduct multiple performance tests to establish a range of compliant pressure drop values, or may set as the compliant value the average pressure drop measured over the three test runs of one performance test and accept ±2 inches of water column from this value as the compliant range.

ii. On and after the date on which the initial performance test is required to be completed under 40 CFR 63.7, except for hard chromium electroplaters and chromium anodizing operations in California, which have until January 25, 1998, the owner or operator of an affected source, or group of affected sources under common control, shall monitor and record the pressure drop across the composite mesh-pad system once each day that any affected source is operating. To be in compliance with the standards, the composite mesh-pad system shall be operated within ±2 inches of water column of the pressure drop value established during the initial performance test, or shall be operated within the range of compliant values for pressure drop established during multiple performance tests.

iii. The owner or operator of an affected source complying with the emission limitations in 40 CFR 63.343 through the use of a composite mesh-pad system may repeat the performance test and establish as a new site-specific operating parameter the pressure drop across the composite mesh-pad system according to the requirements in 40 CFR 63.343(c)(1)(i) or (ii). To establish a new site-specific operating parameter for pressure drop, the owner or operator shall satisfy the requirements specified in 40 CFR 63.343(c)(1)(iii)(A) through (D).

A. Determine the outlet chromium concentration using the test methods and procedures in 40 CFR 63.344(c);

B. Establish the site-specific operating parameter value using the procedures 40 CFR 63.344(d)(5);

C. Satisfy the recordkeeping requirements in 40 CFR 63.346(b)(6) through (8); and

D. Satisfy the reporting requirements in 40 CFR 63.347(d) and (f).

iv. The requirement to operate a composite mesh-pad system within the range of pressure drop values established under 40 CFR

63.343(c)(1)(i) through (iii) does not apply during automatic washdown cycles of the composite mesh- pad system.

b. Pursuant to 40 CFR 63.343(d), an owner or operator who uses an air pollution control device not listed in 40 CFR 63.343 shall submit a description of the device, test results collected in accordance with 40 CFR 63.344(c) verifying the performance of the device for reducing chromium emissions to the atmosphere to the level required by 40 CFR 63 Subpart N, a copy of the operation and maintenance plan referenced in 40 CFR 63.342(f) including operation and maintenance practices, and appropriate operating parameters that will be monitored to establish continuous compliance with the standards. The monitoring plan submitted identifying the continuous compliance monitoring is subject to the Illinois EPA's or the USEPA's approval.

25. The afterburner (RTO) shall be equipped with a continuous temperature indicator and temperature recorder.

26a. Pursuant to 40 CFR 60.7(b), any owner or operator subject to the provisions of 40 CFR Part 60 shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

b. Pursuant to 40 CFR 60.7(f), any owner or operator subject to the provisions of 40 CFR Part 60 shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by 40 CFR Part 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records.

27a. i. Pursuant to 40 CFR 60.48c(g)(1), except as provided under 40 CFR 60.48c(g)(2) and (g)(3), the owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each operating day.

ii. Pursuant to 40 CFR 60.48c(g)(2), as an alternative to meeting the requirements of 40 CFR 60.48c(g)(1), the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO_2 standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

iii. Pursuant to 40 CFR 60.48c(g)(2), as an alternative to meeting the requirements of 40 CFR 60.48c(g)(1), the owner or operator of an

affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to 40 CFR 60 Subpart Dc) at that property are natural gas, wood, distillate oil meeting the most current requirements in 40 CFR 60.42c to use fuel certification to demonstrate compliance with the SO_2 standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

b. Pursuant to 40 CFR 60.48c(i), all records required under 40 CFR 60.48 shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

28a. Pursuant to 40 CFR 63.7(g)(3), for a minimum of 5 years after a performance test is conducted, the owner or operator shall retain and make available, upon request, for inspection by the Illinois EPA or USEPA the records or results of such performance test and other data needed to determine emissions from an affected source.

b. Pursuant to 40 CFR 63.10(b)(1), the owner or operator of an affected source subject to the provisions of 40 CFR Part 63 shall maintain files of all information (including all reports and notifications) required by 40 CFR Part 63 recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.

c. Pursuant to 40 CFR 63.10(b)(2), the owner or operator of an affected source subject to the provisions of 40 CFR Part 63 shall maintain relevant records for such source of:

i. The occurrence and duration of each startup or shutdown when the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards;

ii. The occurrence and duration of each malfunction of operation (i.e., process equipment) or the required air pollution control and monitoring equipment;

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

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

d. 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.

29a. Pursuant to 40 CFR 63.346(a), the owner or operator of each affected source subject to 40 CFR 63 Subpart N shall fulfill all recordkeeping requirements outlined in 40 CFR 63.346 and in the General Provisions to 40 CFR Part 63, according to the applicability of Subpart A of 40 CFR Part 63 as identified in Table 1 of 40 CFR 63 Subpart N.

b. Pursuant to 40 CFR 63.346(b), the owner or operator of an affected source subject to the provisions of 40 CFR 63 Subpart N shall maintain the following records for such source:

i. Inspection records for the add-on air pollution control device, if such a device is used, and monitoring equipment, to document that the inspection and maintenance required by the work practice standards of 40 CFR 63.342(f) and Table 1 of 40 CFR 63.342 have taken place. The record can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, and any actions taken to correct deficiencies found during the inspection;

ii. Records of all maintenance performed on the affected source, the add-on air pollution control device, and monitoring equipment;

iii. Records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control, and monitoring equipment;

iv. Records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan;

v. Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan required by 40 CFR 63.342(f)(3);

vi. Test reports documenting results of all performance tests;

vii. All measurements as may be necessary to determine the conditions of performance tests, including measurements necessary to determine compliance with the special compliance procedures of 40 CFR 63.344(e);

viii. Records of monitoring data required by 40 CFR 63.343(c) that are used to demonstrate compliance with the standard including the date and time the data are collected;

ix. The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process, add-on air pollution control, or monitoring equipment;

x. The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process, add-on air pollution control, or monitoring equipment;

xi. The total process operating time of the affected source during the reporting period;

xii. Any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements, if the source has been granted a waiver under 40 CFR 63.10(f); and

xiii. All documentation supporting the notifications and reports required by 40 CFR 63.9, 40 CFR 63.10, and 40 CFR 63.347.

c. Pursuant to 40 CFR 63.346(c), all records shall be maintained for a period of 5 years in accordance with 40 CFR 63.10(b)(1).

30. Pursuant to 40 CFR 63.11116(b), you are not required to submit notifications or reports, but you must have records available within 24

hours of a request by the Illinois EPA or USEPA to document your gasoline throughput.

31a. 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).

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).

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). You may keep the records offsite for the remaining 3 years.

32. 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.

33a. Pursuant to 35 Ill. Adm. Code 215.206(c), the owner or operator of a coating line or a group of coating lines using touch-up and repair coatings that are exempted from the limitations of 35 Ill. Adm. Code 215.204(b), (d), (f), (g), (i), and (j) because of the provisions of 35 Ill. Adm. Code 215.206(b) shall:

i. Collect and record the name, identification number, and volume of each touch-up and repair coating, as applied on each coating line, per eight-hour period and per month;

ii. Perform calculations on a daily basis, and maintain at the source, records of such calculations of the combined volume of touch-up and repair coatings used source-wide for each eight-hour period;

iii. Perform calculations on a monthly basis, and maintain at the source, records of such calculations of the combined volume of touch-up and repair coatings used source-wide for the month and the rolling twelve-month period;

iv. Prepare and maintain at the source an annual summary of the information required to be compiled pursuant to 35 Ill. Adm. Code 215.206(b) on or before January 31 of the following year;

v. Maintain at the source for a minimum of three years all records required to be kept under this subsection (c) and make such records available to the Illinois EPA upon request.

34a. The Permittee shall maintain monthly 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 capture system and Regenerative Thermal Oxidizer (RTO) paint booth filters, and composite mesh pad scrubbers:

A. Records for periodic inspection of the capture system and Regenerative Thermal Oxidizer (RTO) paint booth filters, and composite mesh pad scrubbers 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. The Permittee shall maintain records of control device monitoring data, equipment operation, and maintenance activities.

iii. The name and identification of each coating, thinner and cleanup solvent used on each coater;

iv. Usage of each coating (gallons/month and gallons/year);

v. The VOM and HAP content of each coating as applied (% by weight);

vi. Density of each applied coating (lb/gallon);

vii. Afterburner temperature data;

viii. The Permittee shall maintain monthly records of the following items for barrel washers and parts washers, rust preventative and cleaning solvents:

A. The name and identification of each VOM/HAP containing material used;

B. Usage of each VOM/HAP containing material (gallons/month and gallons/year);

C. The VOM and HAP content of each material as used for washing (lbs/gallons);

ix. Natural gas usage for the fuel combustion emission units (mmscf/month and mmscf/year); and

x. Monthly and annual NO_x, CO, PM, VOM, SO_2, and HAP emissions from the source, with supporting calculations (ton/month and ton/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 the Illinois EPA or USEPA request for records during the course of a source inspection.

35a. Pursuant to 40 CFR 60.7(a), any owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Illinois EPA or USEPA written notification or, if acceptable to both the Illinois EPA and USEPA and the owner or operator of a source, electronic notification, as follows:

i. A notification of the date construction (or reconstruction as defined under 40 CFR 60.15) of an affected facility is commenced postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.

ii. A notification of the actual date of initial startup of an affected facility postmarked within 15 days after such date.

iii. A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Illinois EPA or USEPA may request additional relevant information subsequent to this notice.

b. Pursuant to 40 CFR 60.48c(a), the owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by 40 CFR 60.7. This notification shall include:

i. The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.

ii. If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under 40 CFR 60.42c, or 40 CFR 60.43c.

iii. The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.

c. Pursuant to 40 CFR 60.48c(j) the reporting period for the reports required under this 40 CFR 60 Subpart Dc is each six-month period. All reports shall be submitted to the Illinois EPA or USEPA and shall be postmarked by the 30th day following the end of the reporting period.

36a. Pursuant to 40 CFR 63.7(b)(1), the owner or operator of an affected source must notify the Illinois EPA or USEPA in writing of his or her intention to conduct a performance test at least 60 calendar days before the performance test is initially scheduled to begin to allow the Illinois EPA or USEPA, upon request, to review and approve the site-specific test plan required under 40 CFR 63.7(c) and to have an observer present during the test.

b. Pursuant to 40 CFR 63.7(b)(2), in the event the owner or operator is unable to conduct the performance test on the date specified in the notification requirement specified in 40 CFR 63.7(b)(1) due to unforeseeable circumstances beyond his or her control, the owner or operator must notify the Illinois EPA or USEPA as soon as practicable and without delay prior to the scheduled performance test date and specify the date when the performance test is rescheduled. This notification of delay in conducting the performance test shall not relieve the owner or operator of legal responsibility for compliance with any other applicable provisions of 40 CFR Part 63 or with any other applicable Federal, State, or local requirement, nor will it prevent the Illinois EPA or USEPA from implementing or enforcing 40 CFR Part 63 or taking any other action under the Clean Air Act.

c. Pursuant to 40 CFR 63.10(d)(1), notwithstanding the requirements in this paragraph or 40 CFR 63.10(e), and except as provided in 40 CFR 63.16, the owner or operator of an affected source subject to reporting requirements under 40 CFR Part 63 shall submit reports to the Illinois EPA or USEPA in accordance with the reporting requirements in the relevant standard(s).

37a. Pursuant to 40 CFR 63.347(a), the owner or operator of each affected source subject to 40 CFR 63 Subpart N shall fulfill all reporting requirements outlined in 40 CFR 63.347 and in the General Provisions to 40 CFR Part 63, according to the applicability of Subpart A as identified in Table 1 of 40 CFR 63 Subpart N. These reports shall be made to the Illinois EPA or USEPA at the appropriate address as identified in 40 CFR 63.13 or to the delegated State authority.

i. Reports required by 40 CFR 63 Subpart A and 40 CFR 63.347 may be sent by U.S. mail, fax, or by another courier.

A. Submittals sent by U.S. mail shall be postmarked on or before the specified date.

B. Submittals sent by other methods shall be received by the Illinois EPA or USEPA on or before the specified date.

ii. If acceptable to both the Illinois EPA or USEPA and the owner or operator of an affected source, reports may be submitted on electronic media.

b. Pursuant to 40 CFR 63.347(c)(2), the owner or operator of a new or reconstructed affected source that has an initial startup after January 25, 1995 shall submit an initial notification (in addition to the notification of construction or reconstruction required by 40 CFR 63.345(b) as follows:

i. A notification of the date when construction or reconstruction was commenced, shall be submitted simultaneously with the notification of construction or reconstruction, if construction or reconstruction was commenced before January 25, 1995;

ii. A notification of the date when construction or reconstruction was commenced, shall be submitted no later than 30 calendar days after such date, if construction or reconstruction was commenced after January 25, 1995; and

iii. A notification of the actual date of startup of the source shall be submitted within 30 calendar days after such date.

c. Pursuant to 40 CFR 63.347(d)(1), the owner or operator of an affected source shall notify the Illinois EPA or USEPA in writing of his or her intention to conduct a performance test at least 60 calendar days before the test is scheduled to begin to allow the Illinois EPA or USEPA to have an observer present during the test. Observation of the performance test by the Illinois EPA or USEPA is optional.

d. Notification of compliance status.

i. Pursuant to 40 CFR 63.347(e)(2), if the State in which the source is located has not been delegated the authority to implement the rule, each time a notification of compliance status is required under 40 CFR Part 63, the owner or operator of an affected source shall submit to the Illinois EPA or USEPA a notification of compliance status, signed by the responsible official (as defined in 40 CFR 63.2) who shall certify its accuracy, attesting to whether the affected source has complied with 40 CFR 63 Subpart N. If the State has been delegated the authority, the notification of compliance status shall be submitted to the appropriate authority. The notification shall list for each affected source:

A. The applicable emission limitation and the methods that were used to determine compliance with this limitation;

B. If a performance test is required by 40 CFR 63 Subpart N, the test report documenting the results of the performance test, which contains the elements required by 40 CFR 63.344(a), including measurements and calculations to support the special compliance provisions of 40 CFR 63.344(e) if these are being followed;

C. The type and quantity of hazardous air pollutants emitted by the source reported in mg/dscm or mg/hour if the source is using the special provisions of 40 CFR 63.344(e) to comply with 40 CFR 63 Subpart N. (If the owner or operator is subject to the construction and reconstruction provisions of 40 CFR 63.345 and had previously submitted emission estimates, the owner or operator shall state that this report corrects or verifies the previous estimate.) For sources not required to conduct a performance test in accordance with 40 CFR 63.343(b), the surface tension measurement may fulfill this requirement;

D. For each monitored parameter for which a compliant value is to be established under 40 CFR 63.343(c), the specific operating parameter value, or range of values, that corresponds to compliance with the applicable emission limit;

E. The methods that will be used to determine continuous compliance, including a description of monitoring and reporting requirements, if methods differ from those identified in 40 CFR 63 Subpart N;

F. A description of the air pollution control technique for each emission point;

G. A statement that the owner or operator has completed and has on file the operation and maintenance plan as required by the work practice standards in 40 CFR 63.342(f);

H. If the owner or operator is determining facility size based on actual cumulative rectifier capacity in accordance with 40 CFR 63.342(c)(2), records to support that the facility is small. For existing sources, records from any 12-month period preceding the compliance date shall be used or a description of how operations will change to meet a small designation shall be provided. For new sources, records of projected rectifier capacity for the first 12-month period of tank operation shall be used;

I. A statement by the owner or operator of the affected source as to whether the source has complied with the provisions of 40 CFR 63 Subpart N.

ii. Pursuant to 40 CFR 63.347(e)(3), for sources required to conduct a performance test by 40 CFR 63.343(b), the notification of compliance status shall be submitted to the Illinois EPA or USEPA no later than 90 calendar days following completion of the compliance demonstration required by 40 CFR 63.7 and 40 CFR 63.343(b).

iii. Pursuant to 40 CFR 63.347(e)(4), for sources that are not required to complete a performance test in accordance with 40 CFR 63.343(b), the notification of compliance status shall be submitted to the Illinois EPA or USPEA no later than 30 days after the compliance date specified in 40 CFR 63.343(a), except the date on which sources in California shall monitor the surface tension of the anodizing bath is extended to January 25, 1998.

e. Reports of performance test results.

i. Pursuant to 40 CFR 63.347(f)(1), if the State in which the source is located has not been delegated the authority to implement the rule, the owner or operator of an affected source shall report to the Illinois EPA or USEPA the results of any performance test conducted as required by 40 CFR 63.7 or 40 CFR 63.343(b). If the State has been delegated the authority, the owner or operator of an affected source should report performance test results to the appropriate authority.

ii. Pursuant to 40 CFR 63.347(f)(2), reports of performance test results shall be submitted no later than 90 days following the completion of the performance test, and shall be submitted as part of the notification of compliance status required by 40 CFR 63.347(e).

f. Pursuant to 40 CFR 63.347(h), the requirements of this paragraph do not alleviate affected area sources from complying with the requirements of State or Federal operating permit programs under 40 CFR Part 71.

i. The owner or operator of an affected source that is located at an area source site shall prepare a summary report to document the ongoing compliance status of the affected source. The report shall contain the information identified in 40 CFR 63.347(g)(3), shall be completed annually and retained on site, and made available to the Illinois EPA or USEPA upon request. The report shall be completed annually except as provided in 40 CFR 63.347(h)(2).

ii. Reports of exceedances.

A. If both of the following conditions are met, semiannual reports shall be prepared and submitted to the Illinois EPA or USEPA:

I. The total duration of excess emissions (as indicated by the monitoring data collected by the owner or operator of the affected source in accordance with 40 CFR 63.343(c)) is 1 percent or greater of the total operating time for the reporting period; and

II. The total duration of malfunctions of the add-on air pollution control device and monitoring equipment is 5 percent or greater of the total operating time.

B. Once an owner or operator of an affected source reports an exceedance as defined in 40 CFR 63.347(h)(2)(i), ongoing compliance status reports shall be submitted semiannually until a request to reduce reporting frequency under 40 CFR 63.347(h)(3) is approved.

C. The Illinois EPA or USEPA may determine on a case-by-case basis that the summary report shall be completed more frequently and submitted, or that the annual report shall be submitted instead of being retained on site, if these measures are necessary to accurately assess the compliance status of the source.

iii. Request to reduce frequency of ongoing compliance status reports.

A. An owner or operator who is required to submit ongoing compliance status reports on a semiannual (or more frequent) basis, or is required to submit its annual report instead of retaining it on site, may reduce the frequency of reporting to annual and/or be allowed to maintain the annual report onsite if all of the following conditions are met:

I. For 1 full year (e.g., 2 semiannual or 4 quarterly reporting periods), the ongoing compliance status reports demonstrate that the affected source is in compliance with the relevant emission limit;

II. The owner or operator continues to comply with all applicable recordkeeping and monitoring requirements of 40 CFR 63 Subpart A and 40 CFR 63 Subpart N; and

III. The Illinois EPA or USEPA does not object to a reduced reporting frequency for the affected source, as provided in 40 CFR 63.347(h)(3)(ii) and (iii).

B. The frequency of submitting ongoing compliance status reports may be reduced only after the owner or operator

notifies the Illinois EPA or USEPA in writing of his or her intention to make such a change, and the Illinois EPA or USEPA does not object to the intended change. In deciding whether to approve a reduced reporting frequency, the Illinois EPA or USEPA may review information concerning the source's previous performance history during the 5-year recordkeeping period prior to the intended change, or the recordkeeping period since the source's compliance date, whichever is shorter. Records subject to review may include performance test results, monitoring data, and evaluations of an owner or operator's conformance with emission limitations and work practice standards. Such information may be used by the Illinois EPA or USEPA to make a judgment about the source’s potential for noncompliance in the future. If the Illinois EPA or USEPA disapproves the owner or operator’s request to reduce reporting frequency, the Illinois EPA or USEPA will notify the owner or operator in writing within 45 days after receiving notice of the owner or operator’s intention. The notification from the Illinois EPA or USEPA to the owner or operator will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted.

C. As soon as the monitoring data required by 40 CFR 63.343(c) show that the source is not in compliance with the relevant emission limit, the frequency of reporting shall revert to semiannual, and the owner shall state this exceedance in the ongoing compliance status report for the next reporting period. After demonstrating ongoing compliance with the relevant emission limit for another full year, the owner or operator may again request approval from the Illinois EPA or USEPA to reduce the reporting frequency as allowed by 40 CFR 63.347(h)(3).

38a. Pursuant to 40 CFR 63.11509(a), if you own or operate an affected source, as defined in 40 CFR 63.11505(a), you must submit an Initial Notification in accordance with 40 CFR 63.11509(a)(1) through (4) by the dates specified.

i. The Initial Notification must include the information specified in 40 CFR 63.9(b)(2)(i) through (iv).

ii. The Initial Notification must include a description of the compliance method (e.g., use of wetting agent/fume suppressant) for each affected source.

iii. If you start up your affected source on or before July 1, 2008, you must submit an Initial Notification not later than 120 calendar days after July 1, 2008.

iv. If you start up your new affected source after July 1, 2008, you must submit an Initial Notification not later than 120 calendar days after you become subject to 40 CFR 63 Subpart WWWWWW.

b. 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) and (2).

i. The Notification of Compliance Status must be submitted before the close of business on the compliance date specified in 40 CFR 63.11506.

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.

c. 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 electroplating, electroforming, or electropolishing tank that is subject to the requirements in 40 CFR 63.11507(a)(1), you must state in your annual compliance certification that you have added wetting agent/fume suppressant to the bath according to the manufacturer's specifications and instructions.

ii. If you own or operate any one of the affected sources listed in 40 CFR 63.11509(c)(2)(i) through (iii), you must state in your annual certification that you have operated and maintained the control system according to the manufacturer's specifications and instructions.

A. Electroplating, electroforming, or electropolishing tank that is subject to the requirements in 40 CFR 63.11507(a)

and you use a control system to comply with 40 CFR 63 Subpart WWWWWW;

B. Dry mechanical polishing operation that is subject to 40 CFR 63.11507(e); or

C. Permanent thermal spraying operation that is subject to 40 CFR 63.11507(f)(1) or (2).

iii. If you own or operate an affected flash or short-term electroplating tank that is subject to the requirements in 40 CFR 63.11507(b), and you comply with 40 CFR 63 Subpart WWWWWW by limiting the plating time of the affected tank, you must state in your annual compliance certification that you have limited short-term or flash electroplating to no more than 1 cumulative hour per day or 3 cumulative minutes per hour of plating time.

iv. If you own or operate an affected batch electrolytic process tank that is subject to the requirements of 40 CFR 63.11507(a) or a flash or short-term electroplating tank that is subject to the requirements in 40 CFR 63.11507(b), and you comply by operating the affected tank with a cover, you must state in your annual certification that you have operated the tank with the cover in place at least 95 percent of the electrolytic process time.

v. If you own or operate an affected continuous electrolytic process tank that is subject to the requirements of 40 CFR 63.11507(a) and you comply by operating the affected tank with a cover, you must state in your annual certification that you have covered at least 75 percent of the surface area of the tank during all periods of electrolytic process operation.

vi. If you own or operate an affected tank that is subject to the management practices specified in 40 CFR 63.11507(g), you must state in your annual compliance certification that you have implemented the applicable management practices, as practicable.

vii. 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.

d. 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 delegated authority.

39. 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.

40a. 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 ordeviation. 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
5415 North University
Peoria, Illinois 61614

Please note that this permit incorporate the changes made under construction permits #08060059, #08080041, and #09090036.

If you have any questions on this permit, please call German Barria at 217/782-2113.

Edwin C. Bakowski, P.E. Date Signed:_____
Manager, Permit Section
Division of Air Pollution Control

ECB: GB:

cc: Illinois EPA, FOS Region 2
Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from operation of this agricultural equipment manufacturing plant operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario that results in maximum emissions from such a plant. The resulting maximum emissions are below the levels (i.e., 100 tons/year for VOM, 10 tons/year individual HAP, 25 tons/year combined 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.

Emission Unit	E M I S S I O N S (Tons/Year)						
	CO	NO_x	PM_{10}	SO_2	VOM	Single HAP	Total HAPs
Coating Operations					74.60		18.71
Protective Coating			1.4		0.80		
Touch Up Operations			0.24		3.81		3.81
Barrel Washer, Parts Washer, Rust Preventative and Miscellaneous Solvents					12.73		
Fuel Combustion	49.67	41.72	3.77	0.30	2.73		
Nickel/Chrome Plating			0.44				0.01
Solvent Storage Tank (P29-1)					0.44		
Gasoline Storage Tanks					0.26		
Solvent Storage Tank (P29-2)	--	--	--	--	0.20	--	--
Totals:	49.67	41.72	5.85	0.30	95.57	9.0	22.53

ECB: GB: