



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706 • (208) 373-0502

C.L. "Butch" Otter, Governor
Curt Fransen, Director

August 15, 2012

Art Garcia, Owner
Northwest Chrome, Inc.
420 Industrial Way
New Plymouth, ID 83655

RE: Facility ID No. 075-00017, Northwest Chrome, Inc., New Plymouth
Final Permit Letter

Dear Mr. Garcia:

The Department of Environmental Quality (DEQ) is issuing Permit to Construct (PTC) No. P-2012.0031 project 61060 to Northwest Chrome, Inc. located at New Plymouth for the new decorative electroplating facility. This PTC is issued in accordance with IDAPA 58.01.01.200 through 228 (Rules for the Control of Air Pollution in Idaho) and is based on the certified information provided in your PTC application received on May 21, 2012.

This permit is effective immediately. This permit does not release Northwest Chrome, Inc. from compliance with all other applicable federal, state, or local laws, regulations, permits, or ordinances.

Pursuant to the Construction and Operation Notification General Provision of your permit, it is required that construction and operation notification be provided. Please provide this information as listed to DEQ's Boise Regional Office, 1445 N. Orchard St., Boise, ID 83706, Fax (208) 373-0287.

In order to fully understand the compliance requirements of this permit, DEQ highly recommends that you schedule a meeting with Tom Krinke, Air Quality Analyst, at (208) 373-0419 to review and discuss the terms and conditions of this permit. Should you choose to schedule this meeting, DEQ recommends that the following representatives attend the meeting: your facility's plant manager, responsible official, environmental contact, and any other staff responsible for day-to-day compliance with permit conditions.

Pursuant to IDAPA 58.01.23, you, as well as any other entity, may have the right to appeal this final agency action within 35 days of the date of this decision. However, prior to filing a petition for a contested case, I encourage you to contact Shawnee Chen at (208) 373-0502 or Shawnee.chen@deq.idaho.gov to address any questions or concerns you may have with the enclosed permit.

Sincerely,

A handwritten signature in black ink that reads "Mike Simon". The signature is written in a cursive, flowing style.

Mike Simon
Stationary Source Program Manager
Air Quality Division

MS\SYC

Permit No. P-2012.0031 PROJ 61060

Enclosures

Air Quality

PERMIT TO CONSTRUCT

Permittee Northwest Chrome, Inc.

Permit Number P-2012.0031

Project ID 61060

Facility ID 075-00017

Facility Location 420 Industrial Way
New Plymouth, Idaho, 83655

Permit Authority

This permit (a) is issued according to the *Rules for the Control of Air Pollution in Idaho (Rules)*, IDAPA 58.01.01.200-228; (b) pertains only to emissions of air contaminants regulated by the state of Idaho and to the sources specifically allowed to be constructed or modified by this permit; (c) has been granted on the basis of design information presented with its application; (d) does not affect the title of the premises upon which the equipment is to be located; (e) does not release the permittee from any liability for any loss due to damage to person or property caused by, resulting from, or arising out of the design, installation, maintenance, or operation of the proposed equipment; (f) does not release the permittee from compliance with other applicable federal, state, tribal, or local laws, regulations, or ordinances; (g) in no manner implies or suggests that the Department of Environmental Quality (DEQ) or its officers, agents, or employees, assume any liability, directly or indirectly, for any loss due to damage to person or property caused by, resulting from, or arising out of design, installation, maintenance, or operation of the proposed equipment. Changes in design, equipment or operations may be considered a modification subject to DEQ review in accordance with IDAPA 58.01.01.200-228.

Date Issued August 15, 2012



Shawnee Chen, P.E., Permit Writer



Mike Simon, Stationary Source Manager

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1. PERMIT SCOPE

Purpose

1.1 This is the initial permit to construct (PTC) to Northwest Chrome, Inc. for the new decorative chrome, nickel, and copper electroplating facility.

Regulated Sources

1.2 Table 1.1 lists all sources of regulated emissions in this permit.

Table 1.1 REGULATED SOURCES

Permit Section	Source	Control Equipment
2, 5	<p><u>Hot Strip Tank (Caustic Based with Sodium Hydroxide):</u> Manufacturer: PPG Industries Model: NA Tank temperature: 180 °F Tank Dimension: 8 ft x 4 ft x 4 ft Tank Size: 850 gallons (approximately) In the electroplating room</p>	None
2, 5	<p><u>Acid Tank (Hydrochloric Acid):</u> Manufacturer: Univar USA Inc. Model: NA Tank temperature: Room temperature Tank Dimension: 3'6" x 2'6" x 2'6" Tank Size: 150 gallons (approximately) In the electroplating room</p>	None
2, 5	<p><u>Acid Tank (Hydrochloric Acid):</u> Manufacturer: Univar USA Inc. Model: NA Tank temperature: Room temperature Tank Dimension: 3'6" x 2'6" x 2'6" Tank Size: 150 gallons (approximately) In the electroplating room</p>	None
2, 5	<p><u>Polishing Stage 1A (Sanding Parts):</u> Manufacturer: 3M Model: 3in x 133 in 3 inch x 133 inch abrasive (Aluminum Oxide) belt with a grit of 80, 120, or 180, used on a manual lathe machine that is 10 hp, three-phase with 1740 revolutions per minute. Inside the polishing room with two doors to the adjacent electroplating room</p>	None
2, 5	<p><u>Cleaner Tank</u> Manufacturer: Enthone-OMI-Inc. Model: NA Tank temperature: 160 °F Tank Dimension: 8 ft x 4 ft x 4 ft Tank Size: 850 gallons (approximately) In the electroplating room</p>	None

Permit Section	Source	Control Equipment
	Alkaline soap cleaner where all parts are cleaned for the plating process.	
2, 5	<p><u>Acid Dip Tank</u> Manufacturer: Atotech USA Inc. Model: NA Tank temperature: Room Temperature Tank Dimension: 8ft x 4ft x 4ft Tank Size: 850 gallons (approximately) In the electroplating room</p> <p>Acid salt or acid. Parts are dipped to neutralize cleaner film.</p>	None
2, 5	<p><u>Cyanide Copper Tank</u> Manufacturer: Dupont chemicals Model: NA Tank temperature: 110 °F Tank Dimension: 8ft x 4ft x 4ft Tank Size: 850 gallons (approximately) Allowable rectifier limit: 1,500 amperes In the electroplating room</p> <p>Parts are copper strike for good adhesion (15 seconds to 2 minutes)</p>	None
2, 5	<p><u>Acid Copper Tank</u> Manufacturer: Univertical Model: NA Tank temperature: Room temperature Tank Dimension: 8ft x 4ft x 4ft Tank Size: 850 gallons (approximately) Allowable rectifier limit: 1,500 amperes In the electroplating room</p> <p>Parts are copper plated anywhere from 15 to 30 minutes.</p>	None
2, 4, 5	<p><u>Nickel Tank</u> Manufacturer: Atotech USA Model: NA Tank temperature: 135°F Tank Dimension: 8 ft x 4 ft x 4 ft Tank Size: 850 gallons (approximately) Proposed rectifier limit: 2,200 amperes In the electroplating room</p> <p>Parts are bright nickel plated anywhere from 15 to 30 minutes.</p>	Wetting agent to control nickel emissions
2, 3, 5, 6, 7	<p><u>Chrome Tank</u> Manufacturer: Atotech USA Inc. Model: NA Tank temperature: 105°F Tank Dimension: 8ft x 4ft x 4ft (d) Tank Size: 850 gallons (approximately) Proposed rectifier limit: 5,000 amperes</p>	Wetting agent with Cr ⁶⁺ control efficiency of 99.815%

Permit Section	Source	Control Equipment
	<p>In the electroplating room Parts are chromed plated anywhere from 15 second to 2 minutes.</p>	
2, 5	<p><u>Chrome Strip Tank (Caustic based)</u> Manufacturer: PPG Industries Inc. Model: NA Tank temperature: Room temperature Tank Dimension: 8ft x 4ft x 4ft Tank Size: 850 gallons (approximately) Allowable rectifier limit: 2,000 amperes</p> <p>In the electroplating room</p> <p>With reverse current. Any parts that are rejected need to have chrome removed for rework to take place.</p>	None
2, 5	<p><u>Electroplating Area Natural Gas Heater</u> Manufacturer: LUXAIRE Model: M# UH175LC Manufacture Date: Unknown Heat input rating: 0.175 MMBtu/hr Fuel: Natural gas</p>	None
2, 5	<p><u>Polishing Area Natural Gas Heater</u> Manufacturer: LUXAIRE Model: M# UH175LC Manufacture Date: Unknown Heat input rating: 0.175 MMBtu/hr Fuel: Natural gas</p>	None

2. ELECTROPLATING PROCESS, POLISHING, AND SPACE HEATERS

2.1 Process Description

Northwest Chrome electroplates and polishes various automobile and motorcycle accessories, such as automobile bumpers and wheels and motorcycle gas tanks and tailpipes. The process involves stripping incoming articles of material (i.e. paint, oil and dirt residue), polishing (where parts are sanded and polished by machine and prepared for plating), and finally decorative electroplating (where all parts are plated with copper, nickel and/or chrome). The facility will also have a wheel polishing area, where wheels are delivered, polished, and picked up in the same area. The wheel polishing process has negligible emissions. The facility will utilize two small natural gas fired space heaters for temperature control in the polishing and electroplating areas, respectively.

2.2 Control Device Descriptions

Table 2.1 EMISSIONS UNIT DESCRIPTION

Emissions Units / Processes	Control Devices	Emission Points
Polishing	Inside the polishing room	Ventilation stack of the electroplating room (VENTSTK)
Chrome Tank	Fumetrol 140 or equivalent chemical fume suppressant with Cr ⁶⁺ control efficiency of 99.815%	
Nickel Tank	Wetting agent	
All Other Tanks	None	
Electroplating Area Natural Gas Heater and Polishing Area Natural Gas Heater	None	Heater stacks

Emission Limits

2.3 Emission Limit

The permittee shall not discharge to the atmosphere from any fuel-burning equipment PM in excess of 0.015 gr/dscf of effluent gas corrected to 3% oxygen by volume for gas.

2.4 Opacity Limit

Emissions from the ventilation stack of the electroplating room, or any other stack, vent, or functionally equivalent opening associated with the process, shall not exceed 20% opacity for a period or periods aggregating more than three minutes in any 60-minute period as required by IDAPA 58.01.01.625. Opacity shall be determined by the procedures contained in IDAPA 58.01.01.625.

Operating Requirements

- 2.5 The permittee shall use natural gas exclusively for the electroplating area natural gas heater and polishing area natural gas heater.
- 2.6 The permittee shall polish the parts for plating in the polishing room. To reduce particulates moving from the polishing room to the electroplating room where the ventilation stack is located, the permittee shall keep the doors of the polishing room closed except when the doors are in use.
- 2.7 The permittee shall not exceed the electroplating tank rectifier power limits for chrome strip tank, cyanide copper tank, and acid copper tank as listed in the following table:

Table 2.2 ELECTROPLATING TANK RECTIFIER CAPACITY LIMITS

Emissions Units / Processes	Rectifier Power Limits (amperes)
Chrome Strip Tank	2,000
Cyanide Copper Tank (copper strike tank)	1,500
Acid Copper Tank	1,500

2.8 The permittee shall not exceed chemical usage in the amount as listed in the following:

Table 2.3 CHEMICAL USAGE LIMITS

Chemicals	Annual Usage Limits
Industrial Degreaser	<ul style="list-style-type: none">Weight percentage of ethylene glycol monobutyl ether \leq 15 % weight percentage.\leq 20 gallons per year
Aluminum Brightener Concentrate	\leq 50 gal per year

Monitoring and Recordkeeping Requirements

2.9 Rectifier Capacity Limits Monitoring

The permittee shall monitor and record the maximum rectifier powers of chrome strip tank, cyanide copper tank, and acid copper tank every day to comply with electroplating tank rectifier power limits in Permit Condition 2.7.

2.10 Chemical Usage Monitoring

Every time when a chemical is added to a tank, the permittee shall record the date, the chemical name, and the amount of chemical used. Every twelve months, the permittee shall calculate the chemical usage for the previous 12 months to demonstrate compliance with the limits specified in Permit Condition 2.8. The permittee shall also keep purchase records for each chemical for five years from the date the chemical is purchased.

Incorporation of Federal Requirements by Reference

2.11 Unless expressly provided otherwise, any reference in this permit to any document identified in IDAPA 58.01.01.107.03 shall constitute the full incorporation into this permit of that document for the purposes of the reference, including any notes and appendices therein. Documents include, but are not limited to:

- National Emission Standards for Hazardous Air Pollutants for Source Categories (NESHAP), 40 CFR Part 63

For permit conditions referencing or cited in accordance with any document incorporated by reference (including permit conditions identified as NESHAP), should there be any conflict between the requirements of the permit condition and the requirements of the document, the requirements of the document shall govern, including any amendments to that regulation.

3. 40 CFR 63, SUBPART N—NATIONAL EMISSION STANDARDS FOR CHROMIUM EMISSIONS FROM HARD AND DECORATIVE CHROMIUM ELECTROPLATING AND CHROMIUM ANODIZING TANKS (APPLY TO CHROME TANK)

Applicability

3.1 MACT 40 CFR 63 Subpart N - § 63.340 Applicability

- 3.1.1 In accordance with 40 CFR 63.340(a), the affected source to which the provisions of this subpart apply is each chromium electroplating tank at facility performing decorative chromium electroplating.
- 3.1.2 In accordance with 40 CFR 63.340(b), the permittee subject to 40 CFR 63 Subpart N shall also comply with the requirements of 40 CFR 63 Subpart A, according to the applicability of 40 CFR 63 Subpart A to such source, as identified in Table 1 of 40 CFR 63 Subpart N. The table is included in Appendix A of the permit.

Notification

3.2 MACT 40 CFR 63 Subpart N - § 63.345 – Provisions for new affected sources

- 3.2.1 In accordance with 40 CFR 63.345(b)(1), no person may construct a new affected source (i.e., chromium electroplating tank) subject to 40 CFR 63 Subpart N without submitting a notification of construction to DEQ. The notification shall contain the information identified in 40 CFR 63.345(b)(2).
- 3.2.2 In accordance with 40 CFR 63.345(b)(2), the notification of construction shall include:
- (1) The owner or operator's name, title, and address;
 - (2) The address (i.e., physical location) or proposed address of the affected source if different from the owner's or operator's;
 - (3) A notification of intention to construct a new affected source;
 - (4) An identification of subpart N of this part as the basis for the notification;
 - (5) The expected commencement and completion dates of the construction or reconstruction;
 - (6) The anticipated date of (initial) startup of the affected source;
 - (7) The type of process operation to be performed (hard or decorative chromium electroplating, or chromium anodizing);
 - (8) A description of the air pollution control technique to be used to control emissions from the affected source; and
 - (9) An estimate of emissions from the source based on engineering calculations and vendor information on control device efficiency, expressed in units consistent with the emission limits of 40 CFR 63 Subpart N. Calculations of emission estimates should be in sufficient detail to permit assessment of the validity of the calculations.
- 3.2.3 In accordance with 40 CFR 63.345(b)(4), the owner or operator of a new affected source that submits a notification in accordance with 40 CFR 63.345(b)(1) and (2) is not subject to approval by DEQ. Construction is subject only to notification and can begin upon submission of a complete notification.
- 3.2.4 In accordance with 40 CFR 63.345(b)(5)(i), the notification shall be submitted as soon as practicable before the construction is planned to commence.

Compliance Date

3.3 MACT 40 CFR 63 Subpart N - § 63.343(a) Compliance date

In accordance with 40 CFR 63.343(a)(2), the permittee shall comply with emissions limitation immediately upon startup of the source (i.e., the chromium electroplating tank).

Standards

3.4 MACT 40 CFR 63 Subpart N - § 63.342(b) - Applicability of emission limitations

In accordance with 40 CFR 63.342(b), the permittee shall comply with the surface tension emission limitation during tank operation and periods of startup and shutdown of the chromium electroplating tank. *Tank operation* means the time in which current and/or voltage is being applied to a chromium electroplating tank.

The surface tension emission limitation does 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.

3.5 MACT 40 CFR 63 Subpart N - § 63.342(d) - Surface tension emission limitation

In accordance with 40 CFR 63.342(d)(2), the permittee shall use a chemical fume suppressant containing a wetting agent, which will not allow the surface tension of the electroplating bath to exceed 45 dynes/cm as measured by a stalagmometer.

Operation and Maintenance Practices

3.6 MACT 40 CFR 63 Subpart N - § 63.342(f)(1) &(2) - Operation and maintenance practices

3.6.1 In accordance with 40 CFR 63.342(f)(1)(i) At all times, the permittee shall operate and maintain the chromium electroplating tank, including associated monitoring equipment, in a manner consistent with good air pollution control practices.

3.6.2 In accordance with 40 CFR 63.342(f)(1)(ii), malfunctions shall be corrected as soon as practicable after their occurrence.

3.6.3 In accordance with 40 CFR 63.342(f)(1)(iii), operation and maintenance requirements established pursuant to section 112 of the Act are enforceable independent of emissions limitations or other requirements in relevant standards.

3.6.4 DEQ may require that the permittee makes changes to the operation and maintenance plan required by 40 CFR 63.342(f)(3) in accordance with 40 CFR 63.342(f)(2).

3.7 MACT 40 CFR 63 Subpart N - § 63.342(f)(3) & (g)- Operation and maintenance plan

3.7.1 In accordance with 40 CFR 63.342(f)(3)(i), the permittee shall prepare an operation and maintenance plan no later than the compliance date.

(1) In accordance with 40 CFR 63.342(f)(3)(i)(A), the plan shall specify the operation and maintenance criteria for the affected source and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of the equipment.

(2) In accordance with 40 CFR 63.342(f)(3)(i)(B), the plan shall incorporate the operation and maintenance practices for the monitoring equipment (i.e., stalagmometer), as identified in Table 1 of 40 CFR 63.342. That is to follow manufacturer's recommendations for the stalagmometer.

(3) In accordance with 40 CFR 63.342(f)(3)(i)(D), 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.

- (4) In accordance with 40 CFR 63.342(f)(3)(i)(E), the plan shall include a systematic procedure for identifying malfunctions of process equipment and process and control system monitoring equipment and for implementing corrective actions to address such malfunctions.
- 3.7.2 In accordance with 40 CFR 63.342(f)(3)(ii), 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, or monitoring equipment during similar malfunction events, and a program for corrective action for such events.
- 3.7.3 In accordance with 40 CFR 63.342(f)(3)(iii), 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 (h) and 40 CFR 63.342(f)(3)(iv).
- 3.7.4 In accordance with 40 CFR 63.342(f)(3)(iv), 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 event and shall report by phone such actions within two working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within seven working days after the end of the event, unless the owner or operator makes alternative reporting arrangements, in advance, with DEQ.
- 3.7.5 In accordance with 40 CFR 63.342(f)(3)(v), 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 DEQ 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 DEQ for a period of five years after each revision to the plan.
- 3.7.6 In accordance with 40 CFR 63.342(f)(3)(vi), to satisfy the requirements of 40 CFR 63.342(f)(3), the owner or operator may use applicable standard operating procedure manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans, provided the alternative plans meet the requirements of 40 CFR 63.342.

Compliance Demonstration

3.8 MACT 40 CFR 63 Subpart N - § 63.343(c) - Monitoring to demonstrate continuous compliance

- 3.8.1 In accordance with 40 CFR 63.343(c), the permittee has chosen to use a wetting agent-type fume suppressant to comply with the emission limitation of 45 dynes/cm as measured by a stalagmometer.
- 3.8.2 In accordance with 40 CFR 63.343(c)(5)(ii), operation of the affected source at a surface tension greater than 45 dynes/cm as measured by a stalagmometer shall constitute noncompliance with the standards. The surface tension shall be monitored according to the following schedule:
- (A) The surface tension shall be measured once every four hours during operation of the tank with a stalagmometer as specified in 40 CFR 63 Appendix, Test Method 306B, which is included as Appendix B of this permit.
- (B) The time between monitoring can be increased if there have been no exceedances. The surface tension shall be measured once every four hours of tank operation for the first 40 hours of tank operation after the compliance date. Once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every eight hours of tank operation. Once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every 40 hours of tank operation on an ongoing basis, until an exceedance occurs. The minimum frequency of monitoring allowed by 40 CFR 63 Subpart N is once every 40 hours of tank operation.

(C) Once an exceedance occurs as indicated through surface tension monitoring, the original monitoring schedule of once every four hours must be resumed. A subsequent decrease in frequency shall follow the schedule laid out in 40 CFR 63.343(c)(5)(ii)(B). For example, if an owner or operator had been monitoring an affected source once every 40 hours and an exceedance occurs, subsequent monitoring would take place once every four hours of tank operation. Once an exceedance does not occur for 40 hours of tank operation, monitoring can occur once every eight hours of tank operation. Once an exceedance does not occur for 40 hours of tank operation on this schedule, monitoring can occur once every 40 hours of tank operation.

- 3.8.3 In accordance with 40 CFR 63.343(c)(5)(iii), once a bath solution is drained from the affected tank and a new solution added, the original monitoring schedule of once every four hours must be resumed, with a decrease in monitoring frequency allowed following the procedures of 40 CFR 63.343(c)(5)(ii) (B) and (C).

Recordkeeping Requirements

3.9 MACT 40 CFR 63 Subpart N - § 63.346 - Recordkeeping Requirements

- 3.9.1 In accordance with 40 CFR 63.346(a), the permittee shall fulfill all recordkeeping requirements outlined in 40 CFR 63.346 and in the General Provisions to 40 CFR part 63, according to Table 1 of 40 CFR 63 Subpart N that is included in Appendix A of this permit.
- 3.9.2 In accordance with 40 CFR 63.346(b), the permittee of an affected source subject to the provisions of 40 CFR 63 Subpart N shall maintain the following records for such source:
- (1) Records of all maintenance performed on the affected source and monitoring equipment in accordance with 40 CFR 63.346(b)(2);
 - (2) Records of the occurrence, duration, and cause (if known) of each malfunction of process and monitoring equipment, in accordance with 40 CFR 63.346(b)(3);
 - (3) Records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan equipment, in accordance with 40 CFR 63.346(b)(4);
 - (4) 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), equipment in accordance with 40 CFR 63.346(b)(5);
 - (5) Records of monitoring data required by 40 CFR 63.343(c)(5) that are used to demonstrate compliance with the standard including the date and time the data are collected, equipment in accordance with 40 CFR 63.346(b)(8);
 - (6) 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 or monitoring equipment, equipment in accordance with 40 CFR 63.346(b)(9);
 - (7) 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, or monitoring equipment, equipment in accordance with 40 CFR 63.346(b)(10);
 - (8) The total process operating time of the affected source during the reporting period, equipment in accordance with 40 CFR 63.346(b)(11);
 - (9) For sources using fume suppressants to comply with the standards, records of the date and time that fume suppressants are added to the electroplating bath, equipment in accordance with 40 CFR 63.346(b)(13);

- (10) 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), equipment in accordance with 40 CFR 63.346(b)(15); and
 - (11) All documentation supporting the notifications and reports required by 40 CFR 63.343(6), by 40 CFR 63.9(h)(6),(i), and (j), by 40 CFR 63.10(d)(4), if applicable, and by 40 CFR 63.347, equipment in accordance with 40 CFR 63.346(b)(16).
- 3.9.3 In accordance with 40 CFR 63.346(c) and 40 CFR 63.10(b)(1), all records shall be maintained for a period of five years.

Reporting Requirements

3.10 MACT 40 CFR 63 Subpart N - § 63.347 - Reporting Requirements

- 3.10.1 In accordance with 40 CFR 63.347(a), the owner or operator of each affected source subject to these standards shall fulfill all reporting requirements outlined in 40 CFR 63 Subpart N 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 DEQ.
- (1) Reports required by 40 CFR 63 subpart A and 40 CFR 63 Subpart N may be sent by U.S. mail, fax, or by another courier.
 - (i) Submittals sent by U.S. mail shall be postmarked on or before the specified date.
 - (ii) Submittals sent by other methods shall be received by DEQ on or before the specified date.
 - (2) If acceptable to both the Administrator and the owner or operator of an affected source, reports may be submitted on electronic media.

3.10.2 *Initial notifications*

In accordance with 40 CFR 63.347(c)(2), the permittee shall submit an initial notification in addition to the notification of construction or reconstruction required by 40 CFR 63.345(b) as follows:

- (1) A notification of the date when construction or reconstruction was commenced, shall be submitted no later than 30 calendar days after such date, in accordance with 40 CFR 63.347(c)(2)(ii); and
- (2) A notification of the actual date of startup of the source shall be submitted within 30 calendar days after such date, , in accordance with 40 CFR 63.347(c)(2)(iii);.

3.10.3 *Notification of compliance status*

- (1) In accordance with 40 CFR 63.347(e)(1), a notification of compliance status is required each time that an affected source becomes subject to the requirements of 40 CFR 63 Subpart N.
- (2) In accordance with 40 CFR 63.347(e)(2), each time a notification of compliance status is required under 40 CFR 63, the permittee shall submit to DEQ 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. The notification shall list for each affected source:
 - (i) The applicable emission limitation and the methods that were used to determine compliance with this limitation, in accordance with 40 CFR 63.347(e)(2)(i);
 - (ii) The type and quantity of hazardous air pollutants emitted by the source. For sources not required to conduct a performance test in accordance with §63.343(b), the surface tension measurement may fulfill this requirement in accordance with 40 CFR 63.347(e)(2)(iii);

- (iii) A description of the air pollution control technique for each emission point, in accordance with 40 CFR 63.347(e)(2)(vi);
 - (iv) A statement that the permittee has completed and has on file the operation and maintenance plan as required by the work practice standards in 40 CFR 63.342(f), in accordance with 40 CFR 63.347(e)(2)(vii);
 - (v) A statement by the permittee of the affected source (i.e., the chrome tank) as to whether the source has complied with the provisions of 40 CFR 63 Subpart N, in accordance with 40 CFR 63.347(e)(2)(ix).
- (3) In accordance with 40 CFR 63.347(e)(4), the notification of compliance status shall be submitted to DEQ no later than 30 days after the compliance date specified in §63.343(a) because the chrome tank at the facility is not required to complete a performance test in accordance with §63.343(b).

3.10.4 *Ongoing compliance status reports for area sources*

- (1) In accordance with 40 CFR 63.347(h)(1), the permittee 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 DEQ upon request. The report shall be completed annually except as provided in paragraph 40 CFR 63.347(h)(2).

Information identified in 40 CFR 63.347(g)(3):

- (i) The company name and address of the affected source;
- (ii) An identification of the operating parameter that is monitored for compliance determination, as required by 40 CFR 63.343(c);
- (iii) The relevant emission limitation for the affected source, and the operating parameter value, or range of values, that correspond to compliance with this emission limitation as specified in the notification of compliance status required by 40 CFR 63.347(e);
- (iv) The beginning and ending dates of the reporting period;
- (v) A description of the type of process performed in the affected source;
- (vi) The total operating time of the affected source during the reporting period;
- (vii) This does not apply because the chrome tank is not a hard chromium electroplating tank.
- (viii) A summary of operating parameter values, including the total duration of excess emissions during the reporting period as indicated by those values, the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets, control equipment malfunctions, other known causes, and unknown causes;
- (ix) A certification by a responsible official, that the work practice standards in 40 CFR 63.342(f) were followed in accordance with the operation and maintenance plan for the source;
- (x) If the operation and maintenance plan required by 40 CFR 63.342(f)(3) was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any excess emission and/or parameter monitoring exceedances are believed to have occurred, and a copy of the report(s) required by 40 CFR 63.342(f)(3)(iv) documenting that the operation and maintenance plan was not followed;
- (xi) A description of any changes in monitoring, processes, or controls since the last reporting period;

- (xii) The name, title, and signature of the responsible official who is certifying the accuracy of the report; and
 - (xiii) The date of the report.
- (2) Reports of exceedances in accordance with 40 CFR 63.347(h)(2)
- (i) If both of the following conditions are met, semiannual reports shall be prepared and submitted to DEQ:
 - (A) 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% or greater of the total operating time for the reporting period; and
 - (B) The total duration of malfunctions of the monitoring equipment is 5% or greater of the total operating time.
 - (ii) 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.
 - (iii) DEQ 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.
- (3) Request to reduce frequency of ongoing compliance status reports in accordance with 40 CFR 63.347(h)(3)
- (i) 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:
 - (A) For one full year (e.g., two semiannual or four quarterly reporting periods), the ongoing compliance status reports demonstrate that the affected source is in compliance with the relevant emission limit;
 - (B) The owner or operator continues to comply with all applicable recordkeeping and monitoring requirements of subpart A of this part and 40 CFR 63 Subpart N; and
 - (C) DEQ does not object to a reduced reporting frequency for the affected source, as provided in paragraphs 40 CFR 63.347(h)(3) (ii) and (iii).
 - (ii) The frequency of submitting ongoing compliance status reports may be reduced only after the owner or operator notifies DEQ in writing of his or her intention to make such a change, and DEQ does not object to the intended change. In deciding whether to approve a reduced reporting frequency, DEQ may review information concerning the source's previous performance history during the five-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 DEQ to make a judgment about the source's potential for noncompliance in the future. If DEQ disapproves the owner or operator's request to reduce reporting frequency, DEQ will notify the owner or operator in writing within 45 days after receiving notice of the owner or operator's intention. The notification from DEQ 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.

- (iii) 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 DEQ to reduce the reporting frequency as allowed by 40 CFR 63.347(h)(3).

4. 40 CFR 63, SUBPART WWWW—NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: AREA SOURCE STANDARDS FOR PLATING AND POLISHING OPERATIONS (APPLY TO NICKEL TANK)

Applicability

4.1 MACT 40 CFR 63 Subpart WWWW - § 63.11504 Applicability

In accordance with 40 CFR 63.11504, the facility is subject to this subpart because the facility meets the following criteria:

- Is a plating and polishing facility at an area source of HAP emissions
- Engages in electroplating other than chromium electroplating ,
- Uses or has emissions of compounds of plating and polishing metal HAP (i.e., cadmium, chromium, lead, manganese, and nicke), also include any of these metals in the elemental form.

4.2 MACT 40 CFR 63 Subpart WWWW - § 63.11505 Affected sources

In accordance with 40 CFR 63.11505, each tank that contains one or more of the plating and polishing metal HAP (i.e., cadmium, chromium, lead, manganese, and nickel) and is used for non-chromium electroplating is subject to this subpart. Therefore, the nickel tank at the facility is an affected new source and subject to this subpart.

Compliance Date

4.3 MACT 40 CFR 63 Subpart WWWW - § 63.11506 Compliance date

In accordance with 40 CFR 63.506(c), the permittee shall comply with the provisions of 40 CFR 63 subpart WWWW upon initial startup of the affected source (i.e., the nickel tank).

Standards

4.4 MACT 40 CFR 63 Subpart WWWW - § 63.11507(a) - standards and management practices

4.4.1 In accordance with 40 CFR 63.11507(a), because the permittee owns and operates an affected new non-cyanide electroplating tank that contains one or more of the plating and polishing metal HAP and operates at a pH of less than 12, the permittee shall comply with the requirements in 40 CFR 63.11507(a)(1) and implement the applicable management practices in 40 CFR 63.11507(g), as practicable.

- (1) In accordance with 40 CFR 63.11507(a)(1), the permittee shall use a wetting agent/fume suppressant in the nickel bath and according to 40 CFR 63.11507(a)(1)(i) through (iii).
 - (i) The permittee shall initially add the wetting agent/fume suppressant in the amounts recommended by the manufacturer for the specific type of electrolytic process.
 - (ii) The permittee shall add wetting agent/fume suppressant in proportion to the other bath chemistry ingredients that are added to replenish the bath, as in the original make-up of the bath, or in proportions such that the bath contents are returned to that of the original make-up of the bath.

- (iii) If a wetting agent/fume suppressant is included in the electrolytic process bath chemicals used in the affected tank according to the manufacturer's instructions, it is not necessary to add additional wetting agent/fume suppressants to the tank to comply with this rule.

4.4.2 In accordance with 40 CFR 63.11507(g), the permittee shall implement the applicable management practices in 40 CFR 63.11507(g)(1) through (12), as practicable.

- (1) Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.
- (2) 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.
- (3) Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.
- (4) Use tank covers, if already owned and available at the facility, whenever practicable.
- (5) Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).
- (6) Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.
- (7) 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.
- (8) Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.
- (9) Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.
- (10) Minimize spills and overflow of tanks, as practicable.
- (11) Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.
- (12) Perform regular inspections to identify leaks and other opportunities for pollution prevention.

Compliance Demonstration

4.5 MACT 40 CFR 63 Subpart WWWW - § 63.11508 - Compliance requirements

4.5.1 In accordance with 40 CFR 63.11508(a), the permittee shall submit a Notification of Compliance Status in accordance with 40 CFR 63.11509(b).

4.5.2 In accordance with 40 CFR 63.11508(b), the permittee shall be in compliance with the applicable management practices and equipment standards in this subpart at all times.

Initial compliance demonstration

- 4.5.3 In accordance with 40 CFR 63.11508(c) and 40 CFR 63.11508(c)(1), because the permittee owns and operates an affected 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(a), "What are my standards and management practices?", and uses a wetting agent/fume suppressant to comply with this subpart, the permittee shall demonstrate initial compliance according to 40 CFR 63.11508(c)(1)(i) through (iv) as follows:
- (1) The permittee shall add wetting agent/fume suppressant to the bath of each affected tank according to manufacturer's specifications and instructions, in accordance with 40 CFR 63.11508(c)(1)(i).
 - (2) The permittee shall state in your Notification of Compliance Status that you add wetting agent/fume suppressant to the bath according to manufacturer's specifications and instructions, in accordance with 40 CFR 63.11508(c)(1)(ii).
 - (3) The permittee shall implement the applicable management practices specified in 40 CFR 63.11507(g), "What are my standards and management practices?", as practicable, in accordance with 40 CFR 63.11508(c)(1)(iii).
 - (4) The permittee shall state in your Notification of Compliance Status that you have implemented the applicable management practices specified in 41 CFR 63.11507(g), "What are my standards and management practices?", as practicable, in accordance with 40 CFR 63.11508(c)(1)(iv).

Continuous compliance demonstration

- 4.5.4 In accordance with 40 CFR 63.11508(d), to demonstrate continuous compliance with the applicable management practices and equipment standards specified in this subpart, the permittee shall satisfy the requirements specified in 40 CFR 63.11508(d)(1) through (3) and (8).
- (1) The permittee shall always operate and maintain the nickel tank, in accordance with 40 CFR 63.11508(d)(1).
 - (2) The permittee shall prepare an annual compliance certification according to the requirements specified in §63.11509(c), "Notification, Reporting, and Recordkeeping," and keep it in a readily-accessible location for inspector review, in accordance with 40 CFR 63.11508(d)(2)
 - (3) Because the permittee owns and operates an affected electroplating tank that contains one or more of the plating and polishing metal HAP and is subject to the requirements in §63.11507(a), "What are my standards and management practices?", and use a wetting agent/fume suppressant to comply with this subpart, The permittee shall demonstrate continuous compliance according to paragraphs 40 CFR 63.11508(d)(3)(i) through (iii), in accordance with 40 CFR 63.11508(d)(3).
 - (i) The permittee shall record that you have added the wetting agent/fume suppressant to the tank bath in the original make-up of the tank.
 - (ii) For tanks where the wetting agent/fume suppressant is a separate ingredient from the other tank additives, The permittee shall demonstrate continuous compliance according to paragraphs 40 CFR 63.11508 (d)(3)(ii)(A) and (B) as follows:
 - (A) The permittee shall add wetting agent/fume suppressant in proportion to the other bath chemistry ingredients that are added to replenish the tank bath, as in the original make-up of the tank; or in proportion such that the bath is brought back to the original make-up of the tank.

- (B) The permittee shall record each addition of wetting agent/fume suppressant to the tank bath.
- (iii) The permittee shall 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.
- (4) Because the permittee owns and operates an affected tank that is subject to the management practices specified in 40 CFR 63.11507(g), "What are my standards and management practices?", the permittee shall demonstrate continuous compliance according to 40 CFR 63.11508(d)(8)(i) and (ii), in accordance with 40 CFR 63.11508(d)(8).
- (i) The permittee shall implement the applicable management practices during all times that the nickel tank is in operation.
- (ii) The permittee shall state in your annual compliance certification that you have implemented the applicable management practices, as practicable.

Notification, Reporting, and Recordkeeping Requirements

4.6 MACT 40 CFR 63 Subpart WWWW - § 63.11509 - notification, reporting, and recordkeeping requirements

Initial Notification

- 4.6.1 In accordance with 40 CFR 63.11509(a), the permittee shall submit an Initial Notification in accordance with 40 CFR 63.11509 (a)(1), (2), and (4) of this section by the dates specified.
- (1) The Initial Notification must include the information specified in 40 CFR 63.9(b)(2)(i) through (iv), in accordance with 40 CFR 63.11509 (a)(1)
- (2) The Initial Notification must include a description of the compliance method (e.g., use of wetting agent/fume suppressant) for each affected source, in accordance with 40 CFR 63.11509 (a)(2).
- (3) Because the permittee starts up the new affected source after July 1, 2008, the permittee shall submit an Initial Notification when the permittee becomes subject to this subpart, in accordance with 40 CFR 63.11509 (a)(4)

Notification of Compliance Status

- 4.6.2 In accordance with 40 CFR 63.11509 (b), the permittee shall submit a Notification of Compliance Status in accordance with 40 CFR 63.11509 (b)(1) through (3).
- (1) The Notification of Compliance Status shall be submitted before the close of business on the compliance date that is upon initial startup of the affected source (i.e., the nickel tank).
- (2) The Notification of Compliance Status shall include the items specified in 40 CFR 63.11509 (b)(2)(i) through (iv) of this section.
- (i) List of affected sources and the plating and polishing metal HAP used in, or emitted by, those sources.

- (ii) Methods used to comply with the applicable management practices and equipment standards.
 - (iii) Description of the capture and emission control systems used to comply with the applicable equipment standards.
 - (iv) Statement by the permittee of the affected source as to whether the source is in compliance with the applicable standards or other requirements.
- (3) If the permittee makes a change to any items in 40 CFR 63.11509 (b)(2)(i), (iii), and (iv) that does not result in a deviation, an amended Notification of Compliance Status should be submitted within 30 days of the change.

Annual certification of compliance report

- 4.6.3 In accordance with 40 CFR 63.11509(c), the permittee shall 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 this subpart has occurred during the reporting year, in which case, the annual compliance report must be submitted along with the deviation report.
- (1) In accordance with 40 CFR 63.11509(c)(1), the permittee shall state in the annual compliance certification that the permittee has added wetting agent/fume suppressant, as required in 40 CFR 63.11507(a)(1), to the nickel electroplating bath according to the manufacturer's specifications and instructions.
 - (2) In accordance with 40 CFR 63.11509(c)(6), the permittee shall state in the annual compliance certification that the permittee has implemented the applicable management practices, as practicable, as required in 40 CFR 63.11507(g).
 - (3) In accordance with 40 CFR 63.11509(c)(7), each annual compliance report shall 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 shall be submitted along with the deviation report, and postmarked or delivered no later than January 31 of the year immediately following the reporting period.
- 4.6.4 In accordance with 40 CFR 63.11509 (d), any deviations from the compliance requirements specified in 40 CFR 63 Subpart WWWW occurred during the year, the permittee shall report the deviations, along with the corrective action taken, and submit this report to the delegated authority.

Recordkeeping Requirements

- 4.6.5 In accordance with 40 CFR 63.11509 (e), the permittee shall keep the records specified in 40 CFR 63.11509 (e) (1) through (3).
- (1) A copy of any Initial Notification and Notification of Compliance Status that you submitted and all documentation supporting those notifications.
 - (2) The records specified in 40 CFR 63.10(b)(2)(i) through (iii) and (xiv) of the General Provisions of 40 CFR 63.
 - (3) The records required to show continuous compliance with each management practice and equipment standard that applies to the permittee, as specified in §63.11508(d).

4.6.6 In accordance with 40 CFR 63.11509 (f), the permittee shall keep each record for a minimum of 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee shall 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). The permittee shall keep the records offsite for the remaining 3 years.

4.7 **MACT 40 CFR 63 Subpart WWWW - § 63.11510 - General Provisions of 40 CFR 63**

For nickel tank, the permittee shall comply with the requirements of the General Provisions (40 CFR part 63, subpart A) according to the following table.

Table 4.1 Table 1 of 40 CFR 63 Subpart WWWW

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

5. GENERAL PROVISIONS

General Compliance

- 5.1 The permittee has a continuing duty to comply with all terms and conditions of this permit. All emissions authorized herein shall be consistent with the terms and conditions of this permit and the *Rules for the Control of Air Pollution in Idaho*. The emissions of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the *Rules for the Control of Air Pollution in Idaho*, and the Environmental Protection and Health Act, Idaho Code §39-101, et seq.

[Idaho Code §39-101, et seq.]

- 5.2 The permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable Idaho laws for the control of air pollution.

[IDAPA 58.01.01.211, 5/1/94]

- 5.3 Nothing in this permit is intended to relieve or exempt the permittee from the responsibility to comply with all applicable local, state, or federal statutes, rules and regulations.

[IDAPA 58.01.01.212.01, 5/1/94]

Inspection and Entry

- 5.4 Upon presentation of credentials, the permittee shall allow DEQ or an authorized representative of DEQ to do the following:

- Enter upon the permittee's premises where an emissions source is located or emissions related activity is conducted, or where records are kept under conditions of this permit;
- Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
- Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
- As authorized by the Idaho Environmental Protection and Health Act, sample or monitor, at reasonable times, substances or parameters for the purpose of determining or ensuring compliance with this permit or applicable requirements.

[Idaho Code §39-108]

Construction and Operation Notification

- 5.5 This permit shall expire if construction has not begun within two years of its issue date, or if construction is suspended for one year.

[IDAPA 58.01.01.211.02, 5/1/94]

- 5.6 The permittee shall furnish DEQ written notifications as follows:

- A notification of the date of initiation of construction, within five working days after occurrence; except in the case where pre-permit construction approval has been granted then notification shall be made within five working days after occurrence or within five working days after permit issuance whichever is later;
- A notification of the date of any suspension of construction, if such suspension lasts for one year or more;

- A notification of the anticipated date of initial start-up of the stationary source or facility not more than sixty days or less than thirty days prior to such date; and
- A notification of the actual date of initial start-up of the stationary source or facility within fifteen days after such date; and
- A notification of the initial date of achieving the maximum production rate, within five working days after occurrence - production rate and date.

[IDAPA 58.01.01.211.03, 5/1/94]

Performance Testing

- 5.7 If performance testing (air emissions source test) is required by this permit, the permittee shall provide notice of intent to test to DEQ at least 15 days prior to the scheduled test date or shorter time period as approved by DEQ. DEQ may, at its option, have an observer present at any emissions tests conducted on a source. DEQ requests that such testing not be performed on weekends or state holidays.
- 5.8 All performance testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior DEQ approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by DEQ for any testing deviations, DEQ may determine that the testing does not satisfy the testing requirements. Therefore, at least 30 days prior to conducting any performance test, the permittee is encouraged to submit a performance test protocol to DEQ for approval. The written protocol shall include a description of the test method(s) to be used, an explanation of any or unusual circumstances regarding the proposed test, and the proposed test schedule for conducting and reporting the test.
- 5.9 Within 30 days following the date in which a performance test required by this permit is concluded, the permittee shall submit to DEQ a performance test report. The written report shall include a description of the process, identification of the test method(s) used, equipment used, all process operating data collected during the test period, and test results, as well as raw test data and associated documentation, including any approved test protocol.

[IDAPA 58.01.01.157, 4/5/00]

Monitoring and Recordkeeping

- 5.10 The permittee shall maintain sufficient records to ensure compliance with all of the terms and conditions of this permit. Records of monitoring information shall include, but not be limited to the following: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available in either hard copy or electronic format to DEQ representatives upon request.

[IDAPA 58.01.01.211, 5/1/94]

Excess Emissions

- 5.11 The permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions due to startup, shutdown, scheduled maintenance, safety measures, upsets and breakdowns.

[IDAPA 58.01.01.130-136, 4/5/00]

Certification

- 5.12 All documents submitted to DEQ, including, but not limited to, records, monitoring data, supporting information, requests for confidential treatment, testing reports, or compliance certification shall contain a certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document(s) are true, accurate, and complete.

[IDAPA 58.01.01.123, 5/1/94]

False Statements

- 5.13 No person shall knowingly make any false statement, representation, or certification in any form, notice, or report required under this permit, or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.125, 3/23/98]

Tampering

- 5.14 No person shall knowingly render inaccurate any monitoring device or method required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.126, 3/23/98]

Transferability

- 5.15 This permit is transferable in accordance with procedures listed in IDAPA 58.01.01.209.06.

[IDAPA 58.01.01.209.06, 4/11/06]

Severability

- 5.16 The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

[IDAPA 58.01.01.211, 5/1/94]

6. APPENDIX A Table 1 to Subpart N of Part 63

Table 1 to Subpart N of Part 63—General Provisions Applicability to Subpart N

General provisions reference	Applies to subpart N	Comment
63.1(a)(1)	Yes	Additional terms defined in §63.341; when overlap between subparts A and N occurs, subpart N takes precedence.
63.1(a)(2)	Yes	
63.1(a)(3)	Yes	
63.1(a)(4)	Yes	Subpart N clarifies the applicability of each paragraph in subpart A to sources subject to subpart N.
63.1(a)(6)	Yes	
63.1(a)(7)	Yes	
63.1(a)(8)	Yes	
63.1(a)(10)	Yes	
63.1(a)(11)	Yes	§63.347(a) of subpart N also allows report submissions via fax and on electronic media.
63.1(a)(12)–(14)	Yes	
63.1(b)(1)	No	§63.340 of subpart N specifies applicability.
63.1(b)(2)	Yes	
63.1(b)(3)	No	This provision in subpart A is being deleted. Also, all affected area and major sources are subject to subpart N; there are no exemptions.
63.1(c)(1)	Yes	Subpart N clarifies the applicability of each paragraph in subpart A to sources subject to subpart N.
63.1(c)(2)	Yes	§63.340(e) of Subpart N exempts area sources from the obligation to obtain Title V operating permits.
63.1(c)(4)	Yes	
63.1(c)(5)	No	Subpart N clarifies that an area source that becomes a major source is subject to the requirements for major sources.
63.1(e)	Yes	
63.2	Yes	Additional terms defined in §63.341; when overlap between subparts A and N occurs, subpart N takes precedence.
63.3	Yes	Other units used in subpart N are defined in that subpart.
63.4	Yes	
63.5(a)	Yes	Except replace the term “source” and “stationary source” in §63.5(a) (1) and (2) of subpart A with “affected sources.”

General provisions reference	Applies to subpart N	Comment
63.5(b)(1)	Yes	
63.5(b)(3)	Yes	Applies only to major affected sources.
63.5(b)(4)	No	Subpart N (§63.345) specifies requirements for the notification of construction or reconstruction for affected sources that are not major.
63.5(b)(5)	Yes	
63.5(b)(6)	Yes	
63.5(d)(1)(i)	No	§63.345(c)(5) of subpart N specifies when the application or notification shall be submitted.
63.5(d)(1)(ii)	Yes	Applies to major affected sources that are new or reconstructed.
63.5(d)(1)(iii)	Yes	Except information should be submitted with the Notification of Compliance Status required by §63.347(e) of subpart N.
63.5(d)(2)	Yes	Applies to major affected sources that are new or reconstructed except: (1) replace “source” in §63.5(d)(2) of subpart A with “affected source”; and (2) actual control efficiencies are submitted with the Notification of Compliance Status required by §63.347(e).
63.5(d)(3)–(4)	Yes	Applies to major affected sources that are new or reconstructed.
63.5(e)	Yes	Applies to major affected sources that are new or reconstructed.
63.5(f)(1)	Yes	Except replace “source” in §63.5(f)(1) of subpart A with “affected source.”
63.5(f)(2)	No	New or reconstructed affected sources shall submit the request for approval of construction or reconstruction under §63.5(f) of subpart A by the deadline specified in §63.345(c)(5) of subpart N.
63.6(a)	Yes	
63.6(b)(1)–(2)	Yes	Except replace “source” in §63.6(b)(1)–(2) of part A with “affected source.”
63.6(b)(3)–(4)	Yes	
63.6(b)(5)	Yes	Except replace “source” in §63.6(b)(5) of subpart A with “affected source.”
63.6(b)(7)	No	Provisions for new area sources that become major sources are contained in §63.343(a)(4) of subpart N.
63.6(c)(1)–(2)	Yes	Except replace “source” in §63.6(c)(1)–(2) of subpart A with “affected source.”
63.6(c)(5)	No	Compliance provisions for existing area sources that become major sources are contained in §63.343(a)(3) of subpart N.
63.6(e)	No	§63.342(f) of subpart N contains work practice standards (operation and maintenance requirements) that override these provisions.
63.6(f)(1)	No	§63.342(b) of subpart N specifies when the standards apply.
63.6(f)(2)(i)–(ii)	Yes	

General provisions reference	Applies to subpart N	Comment
63.6(f)(2)(iii)	No	§63.344(b) of subpart N specifies instances in which previous performance test results for existing sources are acceptable.
63.6(f)(2)(iv)	Yes	
63.6(f)(2)(v)	Yes	
63.6(f)(3)	Yes	
63.6(g)	Yes	
63.6(h)	No	Subpart N does not contain any opacity or visible emission standards.
63.6(i)(1)	Yes	
63.6(i)(2)	Yes	Except replace “source” in §63.6(i)(2)(i) and (ii) of subpart A with “affected source.”
63.6(i)(3)	Yes	
63.6(i)(4)(i)	No	§63.343(a)(6) of subpart N specifies the procedures for obtaining an extension of compliance and the date by which such requests must be submitted.
63.6(i)(4)(ii)	Yes	
63.6(i)(5)	Yes	
63.6(i)(6)(i)	Yes	This paragraph only references “paragraph (i)(4) of this section” for compliance extension provisions. But, §63.343(a)(6) of subpart N also contains provisions for requesting a compliance extension.
63.6(i)(6)(ii)	Yes	
63.6(i)(7)	Yes	
63.6(i)(8)	Yes	This paragraph only references “paragraphs (i)(4) through (i)(6) of this section” for compliance extension provisions. But, §63.343(a)(6) of subpart N also contains provisions for requesting a compliance extension.
63.6(i)(9)	Yes	This paragraph only references “paragraphs (i)(4) through (i)(6) of this section” and “paragraphs (i)(4) and (i)(5) of this section” for compliance extension provisions. But, §63.343(a)(6) of subpart N also contains provisions for requesting a compliance extension.
63.6(i)(10)(i)–(iv)	Yes	
63.6(i)(10)(v)(A)	Yes	This paragraph only references “paragraph (i)(4)” for compliance extension provisions. But, §63.343(a)(6) of subpart N also contains provisions for requesting a compliance extension.
63.6(i)(10)(v)(B)	Yes	
63.6(i)(11)	Yes	
63.6(i)(12)(i)	Yes	This paragraph only references “paragraph (i)(4)(i) or (i)(5) of this section” for compliance extension provisions. But, §63.343(a)(6) of subpart N also contains provisions for requesting a compliance extension.
63.6(i)(12)(ii)–	Yes	

General provisions reference	Applies to subpart N	Comment
(iii)		
63.6(i)(13)	Yes	
63.6(i)(14)	Yes	
63.6(i)(16)	Yes	
63.6(j)	Yes	
63.7(a)(1)	Yes	
63.7(a)(2)(i)-(vi)	Yes	
63.7(a)(2)(ix)	Yes	
63.7(a)(3)	Yes	
63.7(b)(1)	No	§63.347(d) of subpart N requires notification prior to the performance test. §63.344(a) of subpart N requires submission of a site-specific test plan upon request.
63.7(b)(2)	Yes	
63.7(c)	No	§63.344(a) of subpart N specifies what the test plan should contain, but does not require test plan approval or performance audit samples.
63.7(d)	Yes	Except replace “source” in the first sentence of §63.7(d) of subpart A with “affected source.”
63.7(e)	Yes	Subpart N also contains test methods specific to affected sources covered by that subpart.
63.7(f)	Yes	§63.344(c)(2) of subpart N identifies CARB Method 425 as acceptable under certain conditions.
63.7(g)(1)	No	Subpart N identifies the items to be reported in the compliance test [§63.344(a)] and the timeframe for submitting the results [§63.347(f)].
63.7(g)(3)	Yes	
63.7(h)(1)-(2)	Yes	
63.7(h)(3)(i)	Yes	This paragraph only references “§63.6(i)” for compliance extension provisions. But, §63.343(a)(6) of subpart N also contains provisions for requesting a compliance extension.
63.7(h)(3)(ii)-(iii)	Yes	
63.7(h)(4)-(5)	Yes	
63.8(a)(1)	Yes	
63.8(a)(2)	No	Work practice standards are contained in §63.342(f) of subpart N.
63.8(a)(4)	No	

General provisions reference	Applies to subpart N	Comment
63.8(b)(1)	Yes	
63.8(b)(2)	No	§63.344(d) of subpart N specifies the monitoring location when there are multiple sources.
63.8(b)(3)	No	§63.347(g)(4) of subpart N identifies reporting requirements when multiple monitors are used.
63.8(c)(1)(i)	No	Subpart N requires proper maintenance of monitoring devices expected to be used by sources subject to subpart N.
63.8(c)(1)(ii)	No	§63.342(f)(3)(iv) of subpart N specifies reporting when the O&M plan is not followed.
63.8(c)(1)(iii)	No	§63.343(f)(2) identifies the criteria for whether O&M procedures are acceptable.
63.8(c)(2)–(3)	No	§63.344(d)(2) requires appropriate use of monitoring devices.
63.8(c)(4)–(7)	No	
63.8(d)	No	Maintenance of monitoring devices is required by §§63.342(f) and 63.344(d)(2) of subpart N.
63.8(e)	No	There are no performance evaluation procedures for the monitoring devices expected to be used to comply with subpart N.
63.8(f)(1)	Yes	
63.8(f)(2)	No	Instances in which the Administrator may approve alternatives to the monitoring methods and procedures of subpart N are contained in §63.343(c)(8) of subpart N.
63.8(f)(3)	Yes	
63.8(f)(4)	Yes	
63.8(f)(5)	Yes	
63.8(f)(6)	No	Subpart N does not require the use of CEM's.
63.8(g)	No	Monitoring data does not need to be reduced for reporting purposes because subpart N requires measurement once/day.
63.9(a)	Yes	
63.9(b)(1)(i)–(ii)	No	§63.343(a)(3) of subpart N requires area sources to comply with major source provisions if an increase in HAP emissions causes them to become major sources.
63.9(b)(1)(iii)	No	§63.347(c)(2) of subpart N specifies initial notification requirements for new or reconstructed affected sources.
63.9(b)(2)	No	§63.347(c)(1) of subpart N specifies the information to be contained in the initial notification.
63.9(b)(3)	No	§63.347(c)(2) of subpart N specifies notification requirements for new or reconstructed sources that are not major affected sources.
63.9(b)(4)	No	

General provisions reference	Applies to subpart N	Comment
63.9(b)(5)	No	
63.9(c)	Yes	This paragraph only references “§63.6(i)(4) through §63.6(i)(6)” for compliance extension provisions. But, §63.343(a)(6) of subpart N also contains provisions for requesting a compliance extension. Subpart N provides a different timeframe for submitting the request than §63.6(i)(4).
63.9(d)	Yes	This paragraph only references “the notification dates established in paragraph (g) of this section.” But, §63.347 of subpart N also contains notification dates.
63.9(e)	No	Notification of performance test is required by §63.347(d) of subpart N.
63.9(f)	No	
63.9(g)	No	Subpart N does not require a performance evaluation or relative accuracy test for monitoring devices.
63.9(h)(1)–(3)	No	§63.347(e) of subpart N specifies information to be contained in the notification of compliance status and the timeframe for submitting this information.
63.9(h)(5)	No	Similar language has been incorporated into §63.347(e)(2)(iii) of subpart N.
63.9(h)(6)	Yes	
63.9(i)	Yes	
63.9(j)	Yes	
63.10(a)	Yes	
63.10(b)(1)	Yes	
63.10(b)(2)	No	§63.346(b) of subpart N specifies the records that must be maintained.
63.10(b)(3)	No	Subpart N applies to major and area sources.
63.10(c)	No	Applicable requirements of §63.10(c) have been incorporated into §63.346(b) of subpart N.
63.10(d)(1)	Yes	
63.10(d)(2)	No	§63.347(f) of subpart N specifies the timeframe for reporting performance test results.
63.10(d)(3)	No	Subpart N does not contain opacity or visible emissions standards.
63.10(d)(4)	Yes	
63.10(d)(5)	No	§63.342(f)(3)(iv) and §63.347(g)(3) of subpart N specify reporting associated with malfunctions.
63.10(e)	No	§63.347(g) and (h) of subpart N specify the frequency of periodic reports of monitoring data used to establish compliance. Applicable requirements of §63.10(e) have been incorporated into §63.347(g) and (h).
63.10(f)	Yes	
63.11	No	Flares will not be used to comply with the emission limits.

General provisions reference	Applies to subpart N	Comment
63.12-63.15	Yes	

7. APPENDIX B Method 306B

Method 306B—Surface Tension Measurement for Tanks Used at Decorative Chromium Electroplating and Chromium Anodizing Facilities

Note: This method does not include all of the specifications (*e.g.*, equipment and supplies) and procedures (*e.g.*, sampling and analytical) essential to its performance. Some material is incorporated by reference from other methods in 40 CFR Part 60, Appendix A and in this part. Therefore, to obtain reliable results, persons using this method should have a thorough knowledge of at least Methods 5 and 306.

1.0 Scope and Application

1.1 Analyte. Not applicable.

1.2 Applicability. This method is applicable to all decorative chromium plating and chromium anodizing operations, and continuous chromium plating at iron and steel facilities where a wetting agent is used in the tank as the primary mechanism for reducing emissions from the surface of the plating solution.

2.0 Summary of Method

2.1 During an electroplating or anodizing operation, gas bubbles generated during the process rise to the surface of the liquid and burst. Upon bursting, tiny droplets of chromic acid become entrained in ambient air. The addition of a wetting agent to the tank bath reduces the surface tension of the liquid and diminishes the formation of these droplets.

2.2 This method determines the surface tension of the bath using a stalagmometer or a tensiometer to confirm that there is sufficient wetting agent present.

3.0 Definitions[Reserved]

4.0 Interferences[Reserved]

5.0 Safety

5.1 Disclaimer. This method may involve hazardous materials, operations, and equipment. This test method may not address all of the safety problems associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to determine the applicability of regulatory limitations prior to performing this test method.

6.0 Equipment and Supplies

6.1 Stalagmometer. Any commercially available stalagmometer or equivalent surface tension measuring device may be used to measure the surface tension of the plating or anodizing tank liquid.

6.2 Tensiometer. A tensiometer may be used to measure the surface tension of the tank liquid provided the procedures specified in ASTM Method D 1331–89, Standard Test Methods for Surface and Interfacial Tension of Solutions of Surface Active Agents (incorporated by reference—see §63.14) are followed.

7.0 Reagents and Standards[Reserved]

8.0 Sample Collection, Sample Recovery, Sample Preservation, Sample Holding Times, Storage, and Transport[Reserved]

9.0 Quality Control[Reserved]

10.0 Calibration and Standardization[Reserved]

11.0 Analytical Procedure

11.1 Procedure. The surface tension of the tank bath may be measured by using a tensiometer, a stalagmometer or any other equivalent surface tension measuring device approved by the Administrator for measuring surface tension in dynes per centimeter. If the tensiometer is used, the procedures specified in ASTM Method D 1331-89 must be followed. If a stalagmometer or other device is used to measure surface tension, the instructions provided with the measuring device must be followed.

11.2 Frequency of Measurements.

11.2.1 Measurements of the bath surface tension are performed using a progressive system which decreases the frequency of surface tension measurements required when the proper surface tension is maintained.

11.2.1.1 Initially, following the compliance date, surface tension measurements must be conducted once every 4 hours of tank operation for the first 40 hours of tank operation.

11.2.1.2 Once there are no exceedances during a period of 40 hours of tank operation, measurements may be conducted once every 8 hours of tank operation.

11.2.1.3 Once there are no exceedances during a second period of 40 consecutive hours of tank operation, measurements may be conducted once every 40 hours of tank operation on an on-going basis, until an exceedance occurs. The maximum time interval for measurements is once every 40 hours of tank operation.

11.2.2 If a measurement of the surface tension of the solution is above the 45 dynes per centimeter limit, or above an alternate surface tension limit established during the performance test, the time interval shall revert back to the original monitoring schedule of once every 4 hours. A subsequent decrease in frequency would then be allowed according to Section 11.2.1.

12.0 Data Analysis and Calculations

12.1 Log Book of Surface Tension Measurements and Fume Suppressant Additions.

12.1.1 The surface tension of the plating or anodizing tank bath must be measured as specified in Section 11.2.

12.1.2 The measurements must be recorded in the log book. In addition to the record of surface tension measurements, the frequency of fume suppressant maintenance additions and the amount of fume suppressant added during each maintenance addition must be recorded in the log book.

12.1.3 The log book will be readily available for inspection by regulatory personnel.

12.2 Instructions for Apparatus Used in Measuring Surface Tension.

12.2.1 Included with the log book must be a copy of the instructions for the apparatus used for measuring the surface tension of the plating or anodizing bath.

12.2.2 If a tensiometer is used, a copy of ASTM Method D 1331-89 must be included with the log book.

13.0 Method Performance[Reserved]

14.0 Pollution Prevention[Reserved]

15.0 Waste Management[Reserved]

16.0 References[Reserved]

17.0 Tables, Diagrams, Flowcharts, and Validation Data[Reserved]