

**New York State Department of Environmental Conservation
Facility DEC ID: 9146600047**



**PERMIT
Under the Environmental Conservation Law (ECL)**

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 9-1466-00047/00003
Effective Date: 05/25/2004 Expiration Date: No expiration date

Permit Issued To: WEST FALLS MACHINE CO INC
11692 E MAIN ST
EAST AURORA, NY 14052

Contact: WAYNE R HADLEY
WEST FALLS MACHINE CO INC
11692 E MAIN ST
EAST AURORA, NY 14052
(716) 655-0440

Facility: WEST FALLS MACHINE CO
11692 E MAIN ST
EAST AURORA, NY 14052

Contact: MARK LUDWIG
WEST FALLS MACHINE CO INC
11692 EAST MAIN ST
EAST AURORA, NY 14052
(716) 655-0440

Description:

West Falls machine is a machine shop which operates small hard chrome plating equipment and evaporator. The hard chrome plating identified as process CHR in the permit is subject to the 40 CFR part 63, National Emission Standards for Hazardous Air Pollutants, Subpart N. The Evaporator, identified as EVA, is used to evaporate contaminated ground water and aids in concentrating the contaminants for disposal.

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permittee: DAVID S DENK
DIVISION OF ENVIRONMENTAL PERMITS
270 MICHIGAN AVE
BUFFALO, NY 14203-2999

Authorized Signature: _____ Date: ___ / ___ / ____



Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees, and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.



LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for Permit Renewals and Modifications

Permit Modifications, Suspensions and Revocations by the Department

Facility Level

Submission of Applications for Permit Modification or Renewal -REGION 9
HEADQUARTERS



DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:

The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:

The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:

A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301.2(m)

Item 2.1:

Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for Permit Renewals and Modifications
Applicable State Requirement: 6NYCRR 621.13

Item 3.1:

The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:

The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:

Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual



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transfer of ownership.

Condition 4: Permit Modifications, Suspensions and Revocations by the Department
Applicable State Requirement: 6NYCRR 621.14

Item 4.1:

The Department reserves the right to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

- a) materially false or inaccurate statements in the permit application or supporting papers;
- b) failure by the permittee to comply with any terms or conditions of the permit;
- c) exceeding the scope of the project as described in the permit application;
- d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
- e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of Applications for Permit Modification or Renewal -REGION 9 HEADQUARTERS
Applicable State Requirement: 6NYCRR 621.5(a)

Item 5.1:

Submission of applications for permit modification or renewal are to be submitted to:

NYSDEC Regional Permit Administrator
Region 9 Headquarters
Division of Environmental Permits
270 Michigan Avenue
Buffalo, NY 14203-2999
(716) 851-7165



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Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To: WEST FALLS MACHINE CO INC
11692 E MAIN ST
EAST AURORA, NY 14052

Facility: WEST FALLS MACHINE CO
11692 E MAIN ST
EAST AURORA, NY 14052

Authorized Activity By Standard Industrial Classification Code:
3471 - ELECTROPLATING,POLISHING,ANODIZING,



LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS

Emission Unit Level

EU=U-PLAT1,EP=00101,Proc=CHR

- 1 40CFR 63.342(c)(1), Subpart N: Compliance Demonstration
- 2 40CFR 63.342(c)(2)(i), Subpart N: Compliance Demonstration
- 3 40CFR 63.343(c)(1), Subpart N: Compliance Demonstration
- 4 40CFR 63.343(c)(5), Subpart N: Compliance Demonstration

EU=U-PLAT1,EP=00202,Proc=EVA,ES=0102A

- 5 6NYCRR 212.4: Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS

Facility Level

- 9 ECL 19-0301: Contaminant List
- 10 6NYCRR 201-1.4: Unavoidable noncompliance and violations
- 6 6NYCRR 201-5: Emission Unit Definition
- 11 6NYCRR 211.2: Air pollution prohibited

Emission Unit Level

- 7 6NYCRR 201-5: Emission Point Definition By Emission Unit
- 8 6NYCRR 201-5: Process Definition By Emission Unit

AND COLORING

- 3599 - MACHINERY EXC ELECTRICAL NEC

Permit Effective Date: 05/25/2004

Permit Expiration Date: No expiration date.



FEDERALLY ENFORCEABLE CONDITIONS

****** Emission Unit Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Sealing - 6NYCRR Part 200.5

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation.

Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Item C: Maintenance of Equipment - 6NYCRR Part 200.7

Any person who owns or operates an air contamination

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source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or

facilities.

Item E: Emergency Defense - 6NYCRR Part 201-1.5

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event

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occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

Item F: Recycling and Salvage - 6NYCRR Part 201-1.7

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Item H: Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR Part 201-3.2(a)

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item I: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific



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criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

Item J: Required Emission Tests - 6 NYCRR Part 202-1.1

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

Item K: Visible Emissions Limited - 6 NYCRR Part 211.3

Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

Item L: Open Fires - 6 NYCRR Part 215

No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.

Item M: Permit Exclusion - ECL 19-0305

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not

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limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item N: Federally Enforceable Requirements - 40 CFR 70.6(b)

All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: Compliance Demonstration
Effective between the dates of 05/25/2004 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.342(c)(1), Subpart N

Item 1.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-PLAT1 Emission Point: 00101
Process: CHR

Regulated Contaminant(s):
CAS No: 007440-47-3 CHROMIUM

Item 1.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
The facility qualifies as a small hard chrome facility because maximum cumulative potential rectifier capacity

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has been demonstrated to be less than 60 million amp-hr/yr. (Based on 2002 and 2003 data) The applicable emission limit is 0.03mg of total chromium in the exhaust per dscm. A stack test was performed in July of 2003 resulting in average emissions of 0.015 mg/dscm. If annual amp-hr/ yr exceed 60 million a additional stack test will be required to demonstrate compliance with 0.015 mg/dscm for large hard chrome plating facilities.

Upper Permit Limit: 0.03 milligrams per dry standard cubic meter

Reference Test Method: EPA method 306

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION

Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

Subsequent reports are due every 12 calendar month(s).

Condition 2:

Compliance Demonstration

Effective between the dates of 05/25/2004 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.342(c)(2)(i), Subpart N

Item 2.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-PLAT1 Emission Point: 00101

Process: CHR

Regulated Contaminant(s):

CAS No: 007CHROMIUM

Item 2.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

An owner or operator of a hard chrome electroplating facility needs to classify their facility as a small or large hard chrome type facility. This is accomplished by documenting the Maximum Cumulative Potential Rectifier Capacity (MCPRC). Those facilities with annual MCPRC less than 60 million ampere-hours per year are designated small

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hard chrome electroplating facilities. West Falls machine has submitted records for the years 2002 and 2003 that show annual ampere hours less than one million therefore qualifying the facility as a small hard chrome plating facility.

Records of annual actual MCPRC must be maintained by using a non-resettable ampere-hr/yr meters and keeping monthly records of actual ampere-hr usage for each 12-month rolling period following the compliance date in accordance with §63.346(b)(12). The applicable emission limit for total Chromium at small hard chrome facilities is 0.03 mg/dscm. Compliance test performed July, 2003 results of 3 runs for Total chromium was 0.015 mg/ dscm.

Parameter Monitored: CUMULATIVE POTENTIAL RECTIFIER CAPACITY

Upper Permit Limit: 60 millions of amp hours per year

Monitoring Frequency: CONTINUOUS

Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

Subsequent reports are due every 12 calendar month(s).

Condition 3: Compliance Demonstration

Effective between the dates of 05/25/2004 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.343(c)(1), Subpart N

Item 3.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-PLAT1 Emission Point: 00101

Process: CHR

Regulated Contaminant(s):

CAS No: 007440-47-3 CHROMIUM

Item 3.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

The mist eliminator is manufactured by Creco and is a fluted honeycomb configuration and controls emissions from tank 1 and 2. The internal components are constructed from PVC. The unit is equipped with a water

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flushing/cleaning system at the top of the enclosure. A gravity drain line is hard piped from the bottom into the top of the plating tank to capture any condensate or flush. The pressure drop across the mist eliminator is monitored and recorded daily using a magnehelic pressure gauge. Pressure drop across the unit ranged between 1.5 and 1.3 inches of water since readings were initiated.

On a monthly basis, or if the pressure drop exceeds 1.6 inches of water, the system will be flushed with hot water. The pressure gauge will be calibrated annually.

Pressure drop readings will be recorded during operation daily as well as any malfunctions and related corrective action.

Manufacturer Name/Model Number: Dwyer Magnehelic pressure gage

Parameter Monitored: PRESSURE CHANGE

Upper Permit Limit: 1.6 inches of water

Monitoring Frequency: DAILY

Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE -
SEE MONITORING DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

Subsequent reports are due every 12 calendar month(s).

Condition 4: Compliance Demonstration
Effective between the dates of 05/25/2004 and Permit Expiration Date

Applicable Federal Requirement: 40CFR 63.343(c)(5), Subpart N

Item 4.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-PLAT1 Emission Point: 00101

Process: CHR

Regulated Contaminant(s):

CAS No: 007440-47-3 CHROMIUM

Item 4.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL
DEVICE PARAMETERS AS SURROGATE

Monitoring Description:

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West Falls utilizes a fume suppressant, Cancel St-45, manufactured by Plating Resources Inc., to maintain a surface tension on Tank 1 and 2, (975 gallon and 315 gallon chrome plating tanks), of 45 dynes/cm or less. This is in accordance with the requirements of 40 cfr 63.343(c)(5)(ii). The Performance test was conducted in accordance with 40 cfr part 60.7 on July 1, 2003.

Surface tension measurements will be recorded in accordance with 40 CFR 63.343(c)(5). Exceedances of 45 dynes/cm shall constitute noncompliance with the standards.

A) The surface tension shall be measured once every 4 hours during operation of the tank with a stalagmometer or a tensiometer as specified in 40 cfr part 63, Method 306B, Appendix A.

B) The time between monitoring can be increased if there have been no exceedances. The surface tension shall be measured once every 4 hours of tank operation for the first 40 hours of tank after the compliance date. Once there are no exceedances during 40 hours of tank operation, surface tension measurements may be conducted once every 8 hours of tank operation. Once there are no exceedances during 40 hours of tank operation, surface tension measurements 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 this subpart 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 4 hours must be resumed as described in item B above.

Upon discovery of an unusual operating condition or a confirmation of a malfunction, the plating system operator will record the information on the respective monitoring log and take immediate action to implement corrective action through equipment maintenance/repair, chemical addition or procedural changes to address the situation.

A log sheet recording surface tension results, tank chemical additions and stalagmometer maintenance shall be

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maintained by West Falls machine on site and made available to this office upon request.

Manufacturer Name/Model Number: Wilmad stalagmometer
Parameter Monitored: SURFACE TENSION
Upper Permit Limit: 45 dynes per centimeter
Reference Test Method: EPA method 306B Appdx A
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO EXCEED STATED VALUE - SEE MONITORING DESCRIPTION
Reporting Requirements: ANNUALLY (CALENDAR)
Reports due 30 days after the reporting period.
The initial report is due 1/30/2005.
Subsequent reports are due every 12 calendar month(s).

Condition 5:

Compliance Demonstration

Effective between the dates of 05/25/2004 and Permit Expiration Date

Applicable Federal Requirement: 6NYCRR 212.4

Item 5.1:

The Compliance Demonstration activity will be performed for:

Emission Unit: U-PLAT1 Emission Point: 00202
Process: EVA Emission Source: 0102A

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 5.2:

Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES

Monitoring Description:

The evaporator is used to concentrate groundwater pumped from the pit floor sump, filtrate generated from the filter press and return flow from tank 2. The concentrated water is returned by gravity to the holding for transfer into tank 2. Approximately 50 to 70 gallons per day of water is evaporated from this system. The tank contents are heated to 80 degrees F to enhance evaporation rate. The unit will be maintained in accordance with the operations and maintenance manual supplied by the manufacturer. Records of malfunctions and repairs must be kept.



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Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING
DESCRIPTION

Reporting Requirements: ANNUALLY (CALENDAR)

Reports due 30 days after the reporting period.

The initial report is due 1/30/2005.

Subsequent reports are due every 12 calendar month(s).



STATE ONLY ENFORCEABLE CONDITIONS

****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: Public Access to Recordkeeping for Facilities With State Facility Permits - 6NYCRR Part 201-1.10(a)

Where emission source owners and/or operators keep records pursuant to compliance with the operational flexibility requirements of 6 NYCRR Subpart 201-5.4(b)(1) , and/or the emission capping requirements of 6 NYCRR Subparts 201-7.2(d), 201-7.3(f), 201-7.3(g), 201-7.3(h)(5), 201-7.3(i) and 201-7.3(j), the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Emission source owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department of receipt of the request.

Item B: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or

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law.

STATE ONLY APPLICABLE REQUIREMENTS

The following conditions are state only enforceable.

Condition 9: Contaminant List
Effective between the dates of 05/25/2004 and Permit Expiration Date

Applicable State ReqECL 19-0301

Item 9.1:

Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 007440-47-3

Name: CHROMIUM

CAS No: 0NY075-00-0

Name: PARTICULATES

Condition 10: Unavoidable noncompliance and violations
Effective between the dates of 05/25/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-1.4

Item 10.1:

At the discretion of the commissioner a violation of any applicable emission standard for necessary scheduled equipment maintenance, start-up/shutdown conditions and malfunctions or upsets may be excused if such violations are unavoidable. The following actions and recordkeeping and reporting requirements must be adhered to in such circumstances.

(a) The facility owner and/or operator shall compile and maintain records of all equipment maintenance or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the commissioner's representative when requested to do so in writing or when so required by a condition of a permit issued for the corresponding air contamination source except where conditions elsewhere in this permit which contain more stringent reporting and notification provisions for an applicable requirement, in which case they supercede those stated here. Such reports shall describe why the violation was unavoidable and shall include the time, frequency and duration of the maintenance and/or start-up/shutdown activities and the identification of air contaminants, and the estimated emission rates. If a facility owner and/or operator is subject to continuous stack monitoring and quarterly reporting requirements, he need not submit reports for equipment maintenance or start-up/shutdown for the facility to the commissioner's representative.

(b) In the event that emissions of air contaminants in excess of any emission standard in 6 NYCRR



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Chapter III Subchapter A occur due to a malfunction, the facility owner and/or operator shall report such malfunction by telephone to the commissioner's representative as soon as possible during normal working hours, but in any event not later than two working days after becoming aware that the malfunction occurred. Within 30 days thereafter, when requested in writing by the commissioner's representative, the facility owner and/or operator shall submit a written report to the commissioner's representative describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates. These reporting requirements are superceded by conditions elsewhere in this permit which contain reporting and notification provisions for applicable requirements more stringent

than those above.

(c) The Department may also require the owner and/or operator to include in reports described under (a) and (b) above an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions depending on the deviation of the malfunction and the air contaminants emitted.

(d) In the event of maintenance, start-up/shutdown or malfunction conditions which result in emissions exceeding any applicable emission standard, the facility owner and/or operator shall take appropriate action to prevent emissions which will result in contravention of any applicable ambient air quality standard. Reasonably available control technology, as determined by the commissioner, shall be applied during any maintenance, start-up/shutdown or malfunction condition subject to this paragraph.

(e) In order to have a violation of a federal regulation (such as a new source performance standard or national emissions standard for hazardous air pollutants) excused, the specific federal regulation must provide for an affirmative defense during start-up, shutdowns, malfunctions or upsets.

Condition 6:

Emission Unit Definition

Effective between the dates of 05/25/2004 and Permit Expiration Date

Applicable State Requirement: 6NYCRR 201-5

Item 6.1:

The facility is authorized to perform regulated processes under this permit for:

Emission Unit: U-PLAT1

Emission Unit Description:

This emission unit consists of a hard chromium plating process and its dedicated exhaust systems. Emissions are generated from electroplating processes conducted in two tanks. The large tank (tank1) is used for hard-chrome plating of steel components, and the small tank (tank2) is operated as a chromic acid recovery tank to purify chromic acid plating solution. These are identified as process CHR. Also included under this emission unit is an evaporator which pumps contaminated ground water from a well located in the plating room, process EVA.

Bu:MAIN PLANT



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process and its dedicated exhaust systems. Emissions are generated from electroplating processes conducted in two tanks. The large tank (tank1) is used for hard-chrome plating of steel components. Tank1 is ventilated by two opposed slotted hoods that run the length of the tank on each side and merge into the main exhaust manifold directly below the primary suction line to the exhaust fan. The small tank (tank2) is operated as a chromic acid recovery tank utilizing electrolytic diaphragm porous pots to purify chromic acid plating solution. Tank2 is ventilated by two opposed slotted hoods that run the length of the tank on each side and combine to form a branch that ties into the main exhaust manifold directly below the mist eliminator in the suction line to the exhaust fan. A fluted frp mist eliminator is located in the main exhaust line upstream of both tanks 1 and 2. The mist eliminator is equipped with a water flushing/cleaning fitting at the top of the enclosure. A teflon-based fume suppressant is maintained on the surface of both tanks to enhance the shedding of plating solution during parts removal and suppress evaporation losses.

Emission Source/Control: 0101B - Control
Control Type: MIST ELIMINATOR

Emission Source/Control: 0101A - Process
Design Capacity: 975 gallons

Emission S0201A - Process
Design Capacity: 315 gallons

Item 8.2:

This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-PLAT1

Process: EVA

Source Classification Code: 4-90-999-99

Process Description:

The primary function and purpose of the atmospheric evaporator system is providing a means for regular pumping and evaporation of impacted groundwater collected from the plating area groundwater collection well located in the plating area. The atmospheric evaporator is also used to concentrate filtrate generated from the filter press, and return flow from tank2. The concentrated water from the evaporator is returned by gravity to the holding tank for transfer into tank2. Approximately 50 to 70 gallons per day are evaporated from this system. The tank



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contents are heated to approx. 80 degrees F to enhance the evaporation rate.

Emission S0102A - Process
Design Capacity: 70 gallons per day