



State of Ohio Environmental Protection Agency

RECEIVED

AUG 04 1998

STREET ADDRESS:

1800 WaterMark Drive  
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:

PORTSMOUTH LOCAL AIR AGENCY P.O. Box 1049  
Columbus, OH 43216-1049

July 29, 1998

CERTIFIED MAIL

Re: Modification to Permit to Install No. 07-439  
Brown County

Plastic Machinery Group - Parts Mfg Div  
4165 Halfacre Road  
Batavia, OH 45103

Attention: Jim Weaver

Enclosed please find a modification to the Ohio EPA Permit to Install referenced above which will modify the terms and conditions.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745-04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Board. An appeal may be filed with the Environmental Review Appeals Commission at the following address: Environmental Review Appeals Commission, 236 East Town Street, Room 300, Columbus, Ohio 43215.

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

Enclosure

cc: US EPA  
PORTSMOUTH AIR POLLUTION CONTROL



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## Permit to Install Terms and Conditions

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Issuance Date: July 29, 1998  
Effective Date: July 29, 1998  
Modification Fee: \$300.00

### OHIO ENVIRONMENTAL PROTECTION AGENCY

#### MODIFICATION TO PERMIT TO INSTALL

Name of Applicant: Plastic Machinery Group - Parts Mfg Div  
Address: 418 West Main Street  
City: Mt. Orab, OH  
Telephone Number: (513)536-2246

The Ohio EPA has received a request for a modification for the Ohio EPA Permit to Install referenced above.

The Permit to Install issued to Plastic Machinery Group - Parts Mfg Div, Permit to Install No. 07-439 is modified in the following manner:

Terms and Conditions on pages 4, 6 thru 9, and 17 thru 19 of Permit to Install issued on July 30, 1997.

The reason for the modification is: to modify the permit to remove the packed bed scrubber as compliance can be met with fume suppressant, and the total maximum rectifier capacity, of PTI No. 07-439, issued July 30, 1997.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

Ohio Environmental Protection Agency

Director



State of Ohio Environmental Protection Agency

STREET ADDRESS:

1800 WaterMark Drive  
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:

P.O. Box 1049  
Columbus, OH 43216-1049

Re: Permit to Install  
Brown County  
Application No: 07-439  
NESHAP

CERTIFIED MAIL

July 30, 1997

PLASTIC MACHINERY GROUP - PARTS MFG DIV  
JIM WEAVER  
4165 HALFACRE ROAD  
BATAVIA, OH 45103

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations & Permit Section  
Division of Air Pollution Control

cc: US EPA  
PORTSMOUTH AIR POLLUTION GROUP

George V. Voinovich, Governor  
Nancy P. Hollister, Lt. Governor



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## Permit to Install Terms and Conditions

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Application No. 07-439  
APS Premise No. 0708000054  
Permit Fee: \$600.00

Name of Facility: PLASTIC MACHINERY GROUP - PARTS MFG DIV

Person to Contact: JIM WEAVER

Address: 4165 HALFACRE ROAD  
BATAVIA, OH 45103

Location of proposed source(s): 418 WEST MAIN STREET  
MT. ORAB, OHIO

Description of proposed source(s):  
HARD CHROMIUM ELECTROPLATING PROCESS WITH 10 PLATING TANKS.

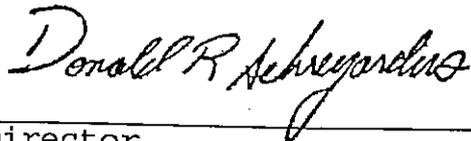
Date of Issuance: July 30, 1997

Effective Date: July 30, 1997

The above named entity is hereby granted a permit to install for the above described source(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described source(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



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Director

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons)

PLASTIC MACHINERY GROUP - PARTS MFG DIV  
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July 30, 1997

may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

#### PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

#### PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

#### APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

#### BEST AVAILABLE TECHNOLOGY

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

#### PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

#### SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for PLASTIC MACHINERY GROUP - PARTS MFG DIV located in Brown County. The sources listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P002	10 hard chromium electroplating tanks with a total maximum rectifier capacity of 215,208,000 ampere hours per year with fume suppressant.	Compliance with terms and limitations of this permit and Federal EPA MACT Standard	3745-31-05 40 CFR Part 63 Subpart N	6.6x10 <sup>-6</sup> gr/dscf Cr from hard chromium electroplating process exhaust  0.003561 TPY Cr

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Cr	0.003561

CONSTRUCTION STATUS

The Portsmouth Air Pollution Group shall be notified in writing as to (a) the construction starting date, (b) the construction completion date, and (c) the date the facilities were placed into operation for the following sources: P002.

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#### REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to Portsmouth Air Pollution Group, 728 Second Street, Portsmouth, Ohio 45662.

#### WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

#### MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

#### MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the Portsmouth Air Pollution Group, 728 Second Street, Portsmouth, Ohio 45662.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

#### AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

#### ADDITIONAL SPECIAL TERMS AND CONDITIONS

##### Applicable Emissions Limitations

The permittee shall not allow the concentration of total chromium in the exhaust gases discharged to the atmosphere to exceed 0.015 mg/dscm ( $6.6 \times 10^{-6}$  gr/dscf).

Work Practice Requirements

1. At all times, including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain any chromium electroplating or anodizing tank, including associated air pollution control devices and monitoring equipment, in a manner consistent with the operation and maintenance plan required by these terms and conditions.
2. Malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the operation and maintenance plan.
3. Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the Portsmouth Local Air Agency, which may include but not be limited to, monitoring results; review of the operation and maintenance plan, procedures, and records; and inspection of the emission unit. Based on this information, the Portsmouth Local Air Agency may require that the permittee make changes to the operation and maintenance plan if that plan:
  - a. does not address a malfunction that has occurred;
  - b. fails to provide for the operation of the emission units, the air pollution control techniques, or the control system and process monitoring equipment during a malfunction in a manner consistent with good air pollution practices; or
  - c. does not provide adequate procedures for correcting malfunctioning process equipment, air pollution control techniques, or monitoring equipment as quickly as practicable.
4. The permittee shall prepare an operation and maintenance plan to be implemented no later than January 25, 1997.
  - a. The plan shall specify the operation and maintenance criteria for the affected source, the add-on air pollution control device (if such device is used to comply with the emissions limits), and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of the equipment.

- b. If a stalagmometer or tensiometer is used for monitoring, follow the manufacturer's recommendations.
- c. 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.
- d. The plan shall include a systematic procedure for identifying the malfunctions of process equipment, add-on pollution control devices, and process and control system monitoring equipment, and for implementing corrective actions to address such malfunctions.
- e. 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 permittee shall revise the operation and maintenance plan within 45 days after such event occurs.
- f. If actions taken by the permittee during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan, the permittee shall record the actions taken for that event and shall report such actions within 2 working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within 7 working days after the end of the event, unless the permittee makes alternative reporting arrangements, in advance, with the Portsmouth Local Air Agency.
- g. The permittee shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by the Portsmouth Local Air Agency for the life of the emission unit. If the operation and maintenance plan is revised, the permittee shall keep previous versions of the plan on record to be made available for inspection, upon request, by the Portsmouth Local Air Agency for a period of five years after each revision to the plan.
- h. The permittee may use applicable standard operating procedure (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans to meet the operation and maintenance plan requirements as long as the alternative plans meet the requirements.

Monitoring and Recordkeeping

1. Fume suppressant monitoring requirements to demonstrate continuous compliance.
  - a. The permittee shall establish as the site-specific operating parameter the surface tension of the bath using Method 306B of 40 CFR Part 63, Subpart N, setting the maximum value that corresponds to compliance with the applicable emission limitations. In lieu of establishing the maximum surface tension during the performance test, the owner or operator may accept 45 dynes/cm as the maximum surface tension value that corresponds to compliance with the applicable emission limitation.
  - b. On and after the date on which the initial performance test is required to be completed under §63.7 of 40 CFR Part 63, Subpart A, the permittee shall monitor the surface tension of the electroplating or anodizing bath. Operation of the affected emissions unit at a surface tension greater than the value established during the performance test, or greater than 45 dynes/cm if the permittee is using this value, shall constitute noncompliance with the standards.
  - c. The surface tension shall be monitored according to the following schedule:
    - i. the surface tension shall be measured once every four hours during operation of the tank with a stalagmometer or tensiometer as specified in Method 306B of 40 CFR Part 63, Subpart N;
    - ii. the time between monitoring can be increased if there have been no exceedences. 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 exceedences during 40 hours of tank operation, surface tension measurements may be conducted once every 8 hours of tank operation. Once there are no exceedences during the next 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 is once every 40 hours of tank operation;

iii. 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 in paragraph (ii) above; and,

iv. 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 as in paragraph (ii) above.

#### General Recordkeeping Requirements

1. The permittee shall fulfill all recordkeeping requirements in the General Provisions to 40 CFR Part 63, according to the applicability of subpart A.
2. The permittee also shall maintain the following records:
  - a. inspection records for the add-on air pollution control device, if such a device is used, and monitoring equipment to document that the inspection and maintenance required by the work practice standards of this permit have taken place. The record can take the form of a checklist and should identify the device inspected, the date of the inspection, a brief description of the working condition of the device during the inspection, and any actions taken to correct deficiencies found during the inspection;
  - b. records of all maintenance performed on the emissions unit, add-on air pollution control device, and monitoring equipment;
  - c. records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control device, and monitoring equipment;
  - d. records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan;
  - e. other records, which may take the form of checklists, necessary to demonstrate consistence with the provisions of the operation and maintenance plan;
  - f. test reports documenting results of all performance tests;

- g. all measurements as may be necessary to determine the conditions of performance tests;
  - h. records of monitoring data that are used to demonstrate compliance with the standard including the date and time the data are collected;
  - i. the specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process, add-on air pollution control device, or monitoring equipment;
  - j. the specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process, add-on air pollution control device, or monitoring equipment;
  - k. the total process operating time of the emission unit during the reporting period;
  - l. all documentation supporting the notifications and reports as outlined in the Reporting Requirements of this permit and §63.9 and §63.10 of 40 CFR Part 63, Subpart A;
  - m. records of the actual cumulative rectifier capacity of hard chromium electroplating tanks expended during each month of the reporting period, and the total capacity expended to date for the reporting period; and,
  - n. records of the date and time that fume suppressants are added to the electroplating or anodizing bath.
3. All records shall be maintained for a period of five years.

#### Reporting

1. The permittee shall fulfill all reportings requirements as outlined in 40 CFR Part 63 subpart A. These reports shall be made to the Portsmouth Local Air Agency and shall be sent by U.S. mail, fax or by another courier.
  - a. Submittals sent by U.S. mail shall be postmarked on or before the specified date.
  - b. Submittals sent by other methods shall be received by the Portsmouth Local Air Agency on or before the specified date.
2. The permittee shall submit to the Portsmouth Local Air Agency an initial notification report that contains the following information:

- a. the name, title, and address of the owner or operator;
  - b. the address (i.e., physical location) of the emissions unit;
  - c. identification of the applicable emission limitations and compliance date;
  - d. a statement of whether the affected emissions unit is located at a major source or at an area source;
  - e. the maximum potential cumulative rectifier capacity;
  - f. a statement of whether the emissions unit is located at a small or a large, hard chromium facility and whether this will be demonstrated through actual or maximum potential cumulative rectifier capacity; and,
  - g. a statement of whether the permittee will limit the maximum potential cumulative rectifier capacity such that the hard chromium electroplating facility is considered small.
3. The permittee shall submit a Notification of Performance Test to the Portsmouth Local Air Agency at least 60 calendar days before the performance test is scheduled. In the event that the permittee is unable to conduct the performance test as scheduled, the provisions of 63.7(b)(2) of 40 CFR Part 63, subpart A apply.
4. The permittee shall submit a Notification of Compliance Status to the Portsmouth Local Agency 90 days after the performance test is completed, signed by the responsible official who shall certify its' accuracy, attesting to whether the affected emissions unit is in compliance. The notification shall list for each affected emissions unit:
- a. the applicable emission limitations and the methods that were used to determine compliance with this limitation;
  - b. if a performance test is required, the test report documenting the results of the performance test, which includes the elements required in the Test Requirements section of this permit, including measurements and calculations to support special compliance provisions for multiple emissions units controlled by a common add-on air pollution control device;
  - c. the type and quantity of hazardous air pollutants emitted by the emissions unit reported in mg/dscm or mg/hr if the emissions unit is using the special provisions for multiple emissions unit controlled by a common add-on air pollution control device. (For emissions units not required to conduct a performance test, the surface tension measurement may fulfill this requirement.);

PLASTIC MACHINERY GROUP - PARTS MFG DIV

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- d. for each monitored parameter for which a compliant value was established, the specific operating parameter value, or range of values, that corresponds to compliance with the applicable emissions limit;
  - e. the methods that will be used to determine continuous compliance;
  - f. a description of the air pollution control technique used for each emission point;
  - g. a statement that the permittee has completed and has on file the operation and maintenance plan as required by the work practice standards; and,
  - h. a statement by the owner or operator as to whether the emissions unit is in compliance.
5. The permittee shall report to the Portsmouth Local Air Agency the results of any performance test conducted. The report shall be submitted no later than 90 days following completion of the performance test, and shall be submitted as part of the notification of compliance status report required by this section.
6. The permittee shall submit a summary report annually to the Portsmouth Local Air Agency to document ongoing compliance status of the emissions unit. This report shall include the following:
- a. the company name and address of the emissions unit;
  - b. an identification of the operating parameter that is monitored for compliance determination;
  - c. the relevant emission limitation for the emissions unit, 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 this section;
  - d. the beginning and ending dates of the reporting period;
  - e. the total operating time of the emissions unit during the operating period;
  - f. 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 emissions unit 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;

- g. a certification by a responsible official that the work practice standards in this permit were followed in accordance with the operation and maintenance plan for the emissions unit;
- h. if the operation and maintenance plan required by this permit 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 reports required by the work practices in this permit;
- i. a description of any changes in monitoring, processes, or controls since the last reporting period;
- j. the name, title, and signature of the responsible official who is certifying the accuracy of the report;
- k. the date of the report; and,
- l. the report shall be completed annually and retained on site, and made available to the Portsmouth Local Air Agency upon request.

Additional Reporting.

1. The permittee shall submit semiannual reports if the following conditions are met:
  - a. the total duration of excess emissions is one percent or greater of the total operating time for the reporting period; and,
  - b. the total duration of malfunctions of the add-on air pollution control device and monitoring equipment is five percent or greater of the total operating time.
2. Once the permittee reports an exceedance, ongoing compliance status reports shall be submitted semiannually until a request to reduce reporting frequency is approved.
3. The Portsmouth Local Air Agency 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 emissions unit.
4. The permittee 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 on site if all of the following conditions are met:

PLASTIC MACHINERY GROUP - PARTS MFG DIV

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- a. for 1 full year (e.g., 2 semiannual or 4 quarterly reporting periods), the ongoing compliance status reports demonstrate that the affected emissions unit is in compliance with the relevant emission limit;
- b. the permittee continues to comply with all applicable recordkeeping and monitoring requirements of 40 CFR Part 63, subpart A and this permit;
- c. the Portsmouth Local Air Agency does not object to a reduced reporting frequency. The frequency of submitting ongoing compliance status reports may be reduced if the following requirements are met:
  - i. the permittee notifies the Portsmouth Local Air Agency in writing of its intentions to make such a change. The Portsmouth Local Air Agency may review information concerning the facility's previous performance history during the 5-year recordkeeping period prior to the intended change, or the recordkeeping period since the emission unit's compliance date, whichever is shorter. Records subject to review include performance test results, monitoring data, and evaluations of the permittee's conformance with emission limitations and work practice standards. If the permittee's request is disapproved the Portsmouth Local Air Agency will notify the permittee in writing within 45 days after receiving the notice. This notification 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; and,
  - ii. if the monitoring data show that the emissions unit is not in compliance with the relevant emission limit, the frequency of reporting shall revert to semiannual, and the permittee 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 permittee may again request approval to reduce the reporting frequency.

General Testing Requirements

1. Performance test results shall be documented in complete test reports that contain the following information:
  - a. a brief process description;
  - b. sampling location descriptions;
  - c. a description of sampling and analytical procedures and any modifications to standard procedures;

- d. test results;
- e. quality assurance procedures and results;
- f. records of operating conditions during testing, preparation of standards, and calibration procedures;
- g. raw data sheets for field sampling and field and laboratory analysis;
- h. documentation of calculations; and,
- i. any other information required by the test method.

The test plan shall be made available to the Portsmouth Local Air Agency prior to testing, if requested.

2. If the permittee conducts performance testing at startup to obtain a permit to install, the results of such testing may be used to demonstrate compliance if:
  - a. the test methods and procedures identified in this permit were used during the performance test;
  - b. the performance test was conducted under representative operating conditions;
  - c. the performance test report contains the elements of paragraph 1.a. through 1.i. in this section; and,
  - d. the permittee has sufficient data to establish the operating parameter value that corresponds to compliance as required for continuous compliance monitoring.

The results of tests conducted prior to December 1991, in which Method 306A was used to demonstrate the performance of a control technique, are not acceptable.

#### Additional Testing Requirements

The permittee shall use the following test methods to conduct an initial performance test:

- a. Method 306 and 306A, "Determination of Chromium Emissions From Decorative and Hard Chromium Electroplating and Anodizing Operations" shall be used to determine the chromium concentration from hard or decorative chromium electroplating tanks or chromium anodizing tanks.
  - i. the sampling time and sample volume for each run of Methods 306 and 306A shall be at least 120 minutes and 1.7 dscm (60 dscf), respectively; and,

- ii. Methods 306 and 306A allow the measurement of either total chromium or hexavalent chromium emissions. Emissions units using chromic acid baths can demonstrate compliance with the emission limits by measuring either the total chromium or hexavalent concentration. Hence, the hexavalent chromium concentration measured by these methods is equal to the total chromium concentration for the affected operations.
- b. The California Air Resources Board (CARB) Method 425 may be used to determine the chromium concentration from hard and decorative chromium electroplating tanks and chromium anodizing tanks if the following conditions are met:
  - i. if a colorimetric analysis method is used, the sampling time and volume shall be sufficient to result in 33-66 micrograms of catch in the sampling train;
  - ii. if an Atomic Absorption Graphite Furnace (AAGF) or Ion Chromatography (with a Post-column Reactor (ICPR) analysis) is used, the sampling time and volume shall be sufficient to result in a sample catch that is 5 to 10 times the minimum detection limit of the analytical method (i.e., 1.0 microgram per liter of sample for AAGF and 0.5 microgram per liter of sample for ICPR); and,
  - iii. a minimum of three separate runs must be conducted. The other requirements of §63.7 of 40 CFR Part 63, Subpart A must also be met.

Testing Requirements/Compliance Demonstration (establishing site-specific operating parameters)

1. All monitoring equipment shall be installed such that representative measurements of emissions or process parameters from the affected emissions unit are obtained. For monitoring equipment purchased from a vendor, verification of the operational status of the monitoring equipment shall include execution of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system. The surface tension of electroplating and anodizing baths shall be measured using Method 306B. This method shall also be followed when wetting agent type or combination wetting agent/foam blanket type fume suppressants are used to control chromium emissions from a hard chromium electroplating tank and surface tension measurements are conducted to demonstrate continuous compliance.

Special Compliance Provisions for Multiple Emissions Units

1. When multiple affected emissions units (tanks) performing the same type of operation and subject to the same emission limitation are controlled with a common add-on air pollution control device that is also controlling emissions from emissions units not affected by the Chromium Electroplating MACT, the procedures listed in 40 CFR 63.344E shall be followed to determine compliance with the emission limitation of 0.015 mg/dscm ( $6.6 \times 10^{-6}$  gr/dscf).