

SUPPLEMENT TO PERMIT NO. 748-96

Ottawa Gage, Incorporated
Holland, Michigan

January 17, 1997

GENERAL CONDITIONS

1. Rule 201(1) - The process or process equipment covered by this permit shall not be reconstructed, relocated, altered, or modified, unless a Permit to Install authorizing such action is issued by the Department, except to the extent such action is exempt from the Permit to Install requirements by any applicable rule.
2. Rule 201(4) - If the installation, reconstruction, relocation, or alteration of the equipment for which this permit has been approved has not commenced within 18 months, or has been interrupted for 18 months, this permit shall become void unless otherwise authorized by the Department. Furthermore, the person to whom this permit was issued, or the designated authorized agent, shall notify the Department via the Supervisor, Permit Section, Air Quality Division, Michigan Department of Environmental Quality, P.O. Box 30260, Lansing, Michigan 48909, if it is decided not to pursue the installation, reconstruction, relocation, or alteration of the equipment allowed by this Permit to Install.
3. Rule 201(6)(a) - If this Permit to Install is issued for a process or process equipment located at a stationary source which is subject to a Renewable Operating Permit pursuant to Rule 210, trial operation is allowed if the equipment performs in accordance with the terms and conditions of this Permit to Install and until the appropriate terms and conditions of this Permit to Install have been incorporated into the Renewable Operating Permit as a modification pursuant to Rule 216 or upon renewal pursuant to Rule 217. Upon incorporation of the appropriate terms and conditions into the Renewable Operating Permit, this Permit to Install shall become void.
4. Rules 201(6)(b)(i) or 216(1)(a)(v)(A) - Except as provided in General Condition No. 3, operation of the process or process equipment is allowed if, not more than 30 days after completion of the installation, construction, reconstruction, relocation, alteration, or modification authorized by this Permit to Install, the person to whom this Permit to Install was issued, or the authorized agent pursuant to Rule 204, notifies the District Supervisor, Air Quality Division, in writing, of the completion of the activity. Completion of the installation, construction, reconstruction, relocation, alteration, or modification is considered to occur not later than commencement of trial operation of the process or process equipment.
5. Rule 201(6)(b)(ii) - Except as provided in General Condition No. 3, not more than 18 months after completion of the installation, construction, reconstruction, relocation, alteration, or modification authorized by this Permit to Install, the person to whom this permit was issued, or the authorized agent pursuant to Rule 204, shall notify the District Supervisor, Air Quality Division, in writing, of the status of compliance of the process or process equipment with the terms and conditions of the Permit to Install. The notification shall include all of the following:
 - A. The results of all testing, monitoring, and recordkeeping performed to determine the actual emissions from the process or process equipment and to demonstrate compliance with the terms and conditions of the Permit to Install.

- B. A schedule of compliance for the process or process equipment as described in Rule 119(a).
 - C. A statement, signed by the person owning or operating the process or process equipment, that, based on information and belief formed after reasonable inquiry, the statements and information in the notification are true, accurate, and complete.
6. Rule 201(7) and Section 5510 of Act 451, P.A. 1994 - The Department may, after notice and opportunity for a hearing, revoke this Permit to Install if evidence indicates the process or process equipment is not performing in accordance with the terms and conditions of this permit or is violating the Departments' rules or the Clean Air Act.
 7. The terms and conditions of this Permit to Install shall apply to any person or legal entity that now or hereafter owns or operates the process or process equipment at the location authorized by this Permit to Install. If the new owner or operator submits a written request to the Department pursuant to Rule 219 and the Department approves the request, this permit will be amended to reflect the change of ownership or operational control. The request must include all of the information required in Rule 219(1)(a), (b) and (c). The written request shall be sent to the District Supervisor, Air Quality Division, Michigan Department of Environmental Quality.
 8. Rule 901 - Operation of this equipment shall not result in the emission of an air contaminant which causes injurious effects to human health or safety, animal life, plant life of significant economic value, or property, or which causes unreasonable interference with the comfortable enjoyment of life and property.
 9. Rule 912 - The owner or operator of a source, process, or process equipment shall provide notice of an abnormal condition, start-up, shutdown, or malfunction that results in emissions of a hazardous or toxic air pollutant in excess of standards for more than one hour, or of any air contaminant in excess of standards for more than two hours, as required in this rule, to the District Supervisor, Air Quality Division. The notice shall be provided not later than two business days after start-up, shutdown, or discovery of the abnormal condition or malfunction. Written reports, if required, must be filed with the District Supervisor within 10 days, with the information required in this rule.
 10. Approval of this permit does not exempt the person to whom this permit was issued from complying with any future regulations which may be promulgated under Part 55 of Act 451, P.A. 1994.
 11. Approval of this permit does not obviate the necessity of obtaining such permits or approvals from other units of government as required by law.
 12. Operation of this equipment may be subject to other requirements of Part 55 of Act 451, P.A. 1994, and the rules promulgated thereunder.

SPECIAL CONDITIONS

13. The total chromium emission from the small hard chromium electroplating line, hereinafter, " process", with a 3-stage composite mesh pad type scrubber, hereinafter "controls", shall not exceed 0.03 milligram per dry standard cubic meter, corrected to 70°F and 29.92 inches Hg.
14. Visible emissions from the process shall not exceed 0% opacity.
15. Applicant shall not operate the process unless the controls are installed and operating properly.
16. Applicant shall equip and maintain the controls with pressure drop indicators to measure pressure drop across the controls.
17. The exhaust gases from the process shall be discharged unobstructed vertically upwards to the ambient air from a stack with a maximum diameter of 10 inches and at an exit point not less than 30 feet above ground level.
18. By February 28, 1997, applicant shall prepare and submit an operation and maintenance plan including the start-up, shutdown, and malfunction plan of the controls to the District Supervisor for approval. The plan shall also include a standardized checklist to document the operation and maintenance of the controls which addresses a systematic procedure for identifying malfunctions, reporting process to the supervisors and other actions to be followed to ensure that the controls or process malfunctions due to poor maintenance or other preventable conditions do not occur.
19. On or before July 24, 1997, the applicant shall verify total chromium emission rates from the process by testing, at owner's expense, in accordance with 40 CFR, Part 63, Subparts A and N. Verification of emission rates includes the submittal of a complete report of the initial performance test results. Applicant shall notify the District Supervisor, in writing, of the intention to conduct a performance stack test at least 60 calendar days before the test is scheduled to begin, in accordance with 40 CFR, Part 63.347(d). Stack testing procedures and the location of stack testing ports shall be in accordance with the applicable federal Reference Methods, 40 CFR, Part 63, Appendix A. No less than 30 days prior to testing, a complete stack testing plan must be submitted to the Air Quality Division. The final plan must be approved by the Air Quality Division prior to testing. Within 60 days following the completion of the performance test, the applicant shall submit the results of the initial performance test to the District Supervisor.
20. Operator shall perform inspections as follows:
 - a. Inspection of the mesh pads shall be conducted quarterly.
 - b. Wash down of the mesh pads shall be conducted in accordance with the manufacturer's recommendations.

- c. If the pressure drop across the air pollution control device varies by more than + or - 1 inch of water gauge, from the pressure drop determined during initial testing, the variation shall be documented, and the operation and maintenance procedures shall be reviewed. Any corrective action shall be documented.
22. On a quarterly basis, the operator shall visually inspect the control device to ensure proper drainage, to ensure that there is no chromic acid build-up on the mesh pads, and that the structural integrity is sound.
23. Applicant shall maintain records of inspections required to comply with applicable Work Practice Standards of 40 CFR 63.342(f). Each inspection record shall identify the device inspected, the date, approximate time of inspection, and a brief description of the working condition of the device during the inspection. Applicant shall also record any actions taken to correct deficiencies found during the inspection. Records shall be kept on file for a period of at least five years and made available to the Air Quality Division upon request.
24. Monitoring and recording of emissions, operating and maintenance information is required to comply with the National Emission Standards for Hazardous Air Pollutants (NESHAPs) as specified in 40 CFR, Part 63, Subparts A and N. All source emissions and operating and maintenance data shall be kept on file for a period of at least five years and made available to the Air Quality Division upon request.

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