



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center  
122 S. Front Street  
Columbus, OH 43215

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

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049  
Columbus, OH 43216-1049

12/30/02

**CERTIFIED MAIL**

**RE: Final Title V Administrative Permit Amendment Chapter 3745-77 permit**

02-78-00-0199

GM NAO/SCG Lordstown Assembly  
P.O. Box 1406 - 2300 Hallock-Young Rd.  
Warren, OH 44481-1406

Dear Gerald D. King:

Enclosed is the Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully.

The Ohio EPA is encouraging 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 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 Commission. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. 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

If you have any questions, please contact Northeast District Office.

Very truly yours,

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

cc: Northeast District Office  
File, DAPC PMU



State of Ohio Environmental Protection Agency

**FINAL TITLE V ADMINISTRATIVE PERMIT AMENDMENT**

Effective Date: **12/04/02**

Expiration Date: **12/04/07**

Modification Issue Date: **12/30/02**

This document constitutes issuance of a Title V permit for Facility ID: 02-78-00-0199 to:  
GM NAO/SCG Lordstown Assembly  
General Motors Lordstown Assembly  
P.O. Box 1406 - 2300 Hallock-Young Road  
Warren, OH 44482

**Emissions Unit ID (Company ID)/Emissions Unit Activity Description**

B001 (Boiler #1) See attached file: LORAPPXB.DOC	LORAPPXB.DOC	See attached file: LORAPPXB.DOC
B002 (Boiler #2) See attached file: LORAPPXB.DOC	K002 (Topcoat and Primer Surfacer Systems) See attached file: LORAPPXB.DOC	K021 (Final Repair, Panel #2) See attached file: LORAPPXB.DOC
B003 (Boiler #3) See attached file: LORAPPXB.DOC	K008 (Final Repair, Primer) See attached file: LORAPPXB.DOC	K022 (Final Repair, Panel #3) See attached file: LORAPPXB.DOC
B004 (Boiler #4) See attached file: LORAPPXB.DOC	K017 (Cathodic EDP Prime Coating System) See attached file: LORAPPXB.DOC	L002 (Solvent Pre-Wipe Booth) See attached file: LORAPPXB.DOC
B005 (Boiler #5) See attached file: LORAPPXB.DOC	K018 (Final Repair, Spot #1) See attached file: LORAPPXB.DOC	R017 (Deadner) See attached file: LORAPPXB.DOC
G002 (Gasoline Operation (Tank #15&16-Gasoline/Gasoline fill)) See attached file: LORAPPXA.DOC and	K019 (Final Repair, Spot #2) See attached file: LORAPPXB.DOC	R018 (Sealers/Adhesives) See attached file: LORAPPXB.DOC
	K020 (Final Repair, Panel #1)	

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

Northeast District Office  
2110 East Aurora Road  
Twinsburg, OH 44087  
(330) 425-9171

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones  
Director

## PART I - GENERAL TERMS AND CONDITIONS

### A. *State and Federally Enforceable Section*

#### 1. **Monitoring and Related Record Keeping and Reporting Requirements**

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - i. The date, place (as defined in the permit), and time of sampling or measurements.
  - ii. The date(s) analyses were performed.
  - iii. The company or entity that performed the analyses.
  - iv. The analytical techniques or methods used.
  - v. The results of such analyses.
  - vi. The operating conditions existing at the time of sampling or measurement.  
*(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))*
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.  
*(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))*
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
  - i. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.  
*(Authority for term: OAC rule 3745-77-07(A)(3)(c))*
  - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January

31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.6 below if no deviations occurred during the quarter.

*(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))*

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, record keeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, record keeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

*(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))*

- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

*(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))*

## 2. **Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset condition, of any emissions unit(s) or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upset conditions.

Except as provided in OAC rule 3745-15-06, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

*(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iii))*

## 3. **Risk Management Plans**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

*(Authority for term: OAC rule 3745-77-07(A)(4))*

## 4. **Title IV Provisions**

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

*(Authority for term: OAC rule 3745-77-07(A)(5))*

**5. Severability Clause**

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

*(Authority for term: OAC rule 3745-77-07(A)(6))*

**6. General Requirements**

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with A.10 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

*(Authority for term: OAC rule 3745-77-07(A)(7))*

**7. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

*(Authority for term: OAC rule 3745-77-07(A)(8))*

**8. Marketable Permit Programs**

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

*(Authority for term: OAC rule 3745-77-07(A)(9))*

**9. Reasonably Anticipated Operating Scenarios**

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.

*(Authority for term: OAC rule 3745-77-07(A)(10))*

**10. Reopening for Cause**

This Title V permit will be reopened prior to its expiration date under the following conditions:

- a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.
- b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.
- c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.
- d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

*(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))*

**11. Federal and State Enforceability**

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

*(Authority for term: OAC rule 3745-77-07(B))*

**12. Compliance Requirements**

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
  - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

- ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:
  - i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
  - ii. Compliance certifications shall include the following:
    - (a) An identification of each term or condition of this permit that is the basis of the certification.
    - (b) The permittee's current compliance status.
    - (c) Whether compliance was continuous or intermittent.
    - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
    - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
  - iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

*(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))*

### 13. Permit Shield

- a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.
- b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

*(Authority for term: OAC rule 3745-77-07(F))*

### 14. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with

written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

*(Authority for term: OAC rules 3745-77-07(H)(1) and (2))*

**15. Emergencies**

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

*(Authority for term: OAC rule 3745-77-07(G))*

**16. Off-Permit Changes**

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

- a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition;
- b. The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change;
- c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F);
- d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes; and
- e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit to install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in

that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(For purposes of clarification, the permittee can refer to Engineering Guide #63 that is available in the STARSHIP software package.)

*(Authority for term: OAC rule 3745-77-07(I))*

**17. Compliance Method Requirements**

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

*(This term is provided for informational purposes only.)*

**18. Insignificant Activities**

Each insignificant activity that has one or more applicable requirements shall comply with those applicable requirements.

*(Authority for term: OAC rule 3745-77-07(A)(1))*

**19. Permit to Install Requirement**

Prior to the “installation” or “modification” of any “air contaminant source,” as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

*(Authority for term: OAC rule 3745-77-07(A)(1))*

**20. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

*(Authority for term: OAC rule 3745-77-07(A)(1))*

**B. *State Only Enforceable Section***

**1. Reporting Requirements Related to Monitoring and Record Keeping Requirements**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

**2. Records Retention Requirements**

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be 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. Such records may be maintained in computerized form.

**3. Inspections and Information Requests**

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

Facility Name: GM NAO/SCG Lordstown Assembly

Facility ID: 02-78-00-0199

**4. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**5. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

**6. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)**

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

## Part II - Specific Facility Terms and Conditions

### A. State and Federally Enforceable Section

None

### B. State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

Z002 - Vehicle Start-up  
L003 - Solvent Cleaning Deck - Non VOC  
P015 - Wet Sand Dry-off Oven  
P016 - Mobile Equipment Battery Charging  
P017 - Carpenter Shop with Dust Collector  
P019 - Phosphate Pre-treat  
R016 - Central Maintenance Paint Booth  
T001 - Scrap Solvents Tank  
T002 - Waste Purge Thinner Tank  
T003 - Automatic Transmission Fluid Tank  
T004 - Automatic Transmission Fluid Tank  
T005 - Acrylic Cleaning Thinner Tank  
T006 - Power Steering Fluid Tank  
T007 - Transmission Oil Tank  
T008 - Engine Oil Tank  
T009 - Reclaim Purge Thinner Tank  
T010 - Windshield Washer Solvent Tank  
T011 - Purge Cleaning Thinner Tank  
T012 - Purge Cleaning Thinner Tank  
T013 - Polystrip Tank  
T017 - Anti-freeze Tank  
T018 - Anti-freeze Tank  
T021 - Fuel Oil Tank  
T028 - DF-2 Fuel Storage Tank  
Z003 - Vehicle Roll Test  
Z010 - Laboratory Equipment  
Z013 - Solvent Cold Cleaners, Exempt  
Z014 - Grinding, Machining, and Abrasive Polishing  
Z015 - Maintenance Welding  
Z016 - Arc Welding  
Z017 - Resistance Spot Welding  
Z019 - Feather Dusters  
Z021 - Bulk Storage Material Transferring  
Z022 - Emergency Diesel Generators  
Z023 - High Pressure Cleaning Equipment

**Facility Name: GM NAO/SCG Lordstown Assembly**

**Facility ID: 02-78-00-0199**

- Z024 - Vehicle Fluid Fill Operations
- Z025 - Misc. Aerosol Spray Cans
- Z026 - Mechanical Repair Stalls
- Z028 - Engine Subassembly Lines
- Z030 - Trim Assembly Line
- Z032 - Material Storage
- Z033 - Paint Pump Repair Shop
- Z034 - Wet/dry Sanding Booths
- Z035 - Leak Test Areas
- Z036 - Parts Washers and Rinse Tanks
- Z037 - Storage Tanks for Inorganic Liquids
- Z038 - Pressurized Storage Tanks for Propane
- Z039 - Storage Tanks for Liquids (capacities less than 700 gal.)

**Facility Name: GM NAO/SCG Lordstown Assembly**

**Facility ID: 02-78-00-0199**

**B. State Only Enforceable Section**

1. Z040 - Cleanup Activities Onsite (VOC)
- Z042 - Gasoline Dispensing Facilities, Fleet
- Z043 - Body Shop Washer
- Z044 - Spot Sanding and Painting
- Z045 - EDP Sanding Booth

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a Permit to Install for the emissions unit.

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Boiler #1 (B001)

**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Boiler #1 Natural Gas and #2 Oil Fired 60 mmBtu/hr Input	OAC rule 3745-17-10(B)(1)	0.020 lb Particulate Emissions (PE) per mmBtu
	OAC rule 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-18-06(D)	1.6 pounds of Sulfur Dioxide per mmBtu actual heat input except as provided by rule, when burning #2 fuel oil

2. **Additional Terms and Conditions**
  - a. None

**II Operational Restrictions**

1. The permittee shall burn only natural gas and/or number two fuel oil in this unit.
2. The quality of the oil received for burning in this emissions unit shall have a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation .

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Boiler #1 (B001)

### **III Monitoring and/or Recordkeeping**

1. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for heat content and sulfur content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)(2).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.
3. The permittee shall perform or require the supplier to perform the analyses for heat content and sulfur content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

### **IV Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 45 days after the deviation occurs.
2. The permittee shall notify the Director (the Northeast District Office ) in writing of any record that shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rate for each shipment of oil during the month. The notification shall include a copy of such record and shall be sent to the Director (the Northeast District Office ) within 45 days after the deviation occurs.

### **V Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. and the operating restrictions in Section II of these terms and conditions shall be determined in accordance with the following method(s):

- 1a. Emission Limitation -

0.020 lb particulate emissions (PE) per mmBtu of heat input (OAC rule 3745-17-10(B)(1))

Applicable Compliance Method:

When natural gas is used, the permittee may multiply the particulate emissions factor of 1.9\* pounds of particulate emissions per million cubic feet of natural gas combusted by the inverse of

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Boiler #1 (B001)

the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (Emission factor \* from AP - 42, Table 1.4 -2.)

When No. 2 fuel oil is used, the permittee may multiply the particulate emissions factor of 2\*\* pounds of particulate emissions per 1000 gallons of oil combusted by the inverse of the heat content of the fuel oil, in Btu per gallon, as supplied by the oil supplier. (Emission factor \*\* from AP - 42, Table 1.3 -2.)

If required, emission tests shall be performed in accordance with USEPA Method 5.

1b. Emission Limitation

20% opacity as a six-minute average, except as provided by rule (OAC rule 3745-17-07(A))

Applicable Compliance Method  
OAC rule 3745-17-03(B)(1), if requested.

1c. Emission limitation:

1.6 pounds of sulfur dioxide per mmBtu actual heat input, except as provided by rule (OAC rule 3745-18-06)

Applicable Compliance Method:

When firing fuel oil, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, emission tests shall be performed in accordance with USEPA Method 6.

**VI Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Boiler #2 (B002)

**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Boiler #2 Natural Gas and #2 Oil Fired 60 mmBtu/hr Input	OAC rule 3745-17-10(B)(1)	0.020 lb Particulate Emissions (PE) per mmBtu
	OAC rule 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-18-06(D)	1.6 pounds of Sulfur Dioxide per mmBtu actual heat input except as provided by rule, when burning #2 fuel oil

**2. Additional Terms and Conditions**

- a. None

**II Operational Restrictions**

1. The permittee shall burn only natural gas and/or number two fuel oil in this unit.
2. The quality of the oil received for burning in this emissions unit shall have a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation .

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Boiler #2 (B002)

### **III Monitoring and/or Recordkeeping**

1. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for heat content and sulfur content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)(2).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.
3. The permittee shall perform or require the supplier to perform the analyses for heat content and sulfur content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

### **IV Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 45 days after the deviation occurs.
2. The permittee shall notify the Director (the Northeast District Office ) in writing of any record that shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rate for each shipment of oil during the month. The notification shall include a copy of such record and shall be sent to the Director (the Northeast District Office ) within 45 days after the deviation occurs.

### **V Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. and the operating restrictions in Section II of these terms and conditions shall be determined in accordance with the following method(s):

- 1a. Emission Limitation -

0.020 lb particulate emissions (PE) per mmBtu of heat input (OAC rule 3745-17-10(B)(1))

Applicable Compliance Method:

When natural gas is used, the permittee may multiply the particulate emissions factor of 1.9\* pounds of particulate emissions per million cubic feet of natural gas combusted by the inverse of

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Boiler #2 (B002)

the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (Emission factor \* from AP - 42, Table 1.4 -2.)

When No. 2 fuel oil is used, the permittee may multiply the particulate emissions factor of 2\*\* pounds of particulate emissions per 1000 gallons of oil combusted by the inverse of the heat content of the fuel oil, in Btu per gallon, as supplied by the oil supplier. (Emission factor \*\* from AP - 42, Table 1.3 -2.)

If required, emission tests shall be performed in accordance with USEPA Method 5.

1b. Emission Limitation

20% opacity as a six-minute average, except as provided by rule (OAC rule 3745-17-07(A))

Applicable Compliance Method  
OAC rule 3745-17-03(B)(1), if requested.

1c. Emission limitation:

1.6 pounds of sulfur dioxide per mmBtu actual heat input, except as provided by rule (OAC rule 3745-18-06)

Applicable Compliance Method:

When firing fuel oil, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, emission tests shall be performed in accordance with USEPA Method 6.

**VI Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Boiler #3 (B003)

**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Boiler #3 Natural Gas and #2 Oil Fired 60 mmBtu/hr Input	OAC rule 3745-17-10(B)(1)	0.020 lb Particulate Emissions (PE) per mmBtu
	OAC rule 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-18-06(D)	1.6 pounds of Sulfur Dioxide per mmBtu actual heat input except as provided by rule, when burning #2 fuel oil

2. **Additional Terms and Conditions**
  - a. None

**II Operational Restrictions**

1. The permittee shall burn only natural gas and/or number two fuel oil in this unit.
2. The quality of the oil received for burning in this emissions unit shall have a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation .

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Boiler #3 (B003)

### **III Monitoring and/or Recordkeeping**

1. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for heat content and sulfur content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)(2).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.
3. The permittee shall perform or require the supplier to perform the analyses for heat content and sulfur content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

### **IV Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 45 days after the deviation occurs.
2. The permittee shall notify the Director (the Northeast District Office ) in writing of any record that shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rate for each shipment of oil during the month. The notification shall include a copy of such record and shall be sent to the Director (the Northeast District Office ) within 45 days after the deviation occurs.

### **V Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. and the operating restrictions in Section II of these terms and conditions shall be determined in accordance with the following method(s):

- 1a. Emission Limitation -

0.020 lb particulate emissions (PE) per mmBtu of heat input (OAC rule 3745-17-10(B)(1))

Applicable Compliance Method:

When natural gas is used, the permittee may multiply the particulate emissions factor of 1.9\* pounds of particulate emissions per million cubic feet of natural gas combusted by the inverse of

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Boiler #3 (B003)

the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (Emission factor \* from AP - 42, Table 1.4 -2.)

When No. 2 fuel oil is used, the permittee may multiply the particulate emissions factor of 2\*\* pounds of particulate emissions per 1000 gallons of oil combusted by the inverse of the heat content of the fuel oil, in Btu per gallon, as supplied by the oil supplier. (Emission factor \*\* from AP - 42, Table 1.3 -2.)

If required, emission tests shall be performed in accordance with USEPA Method 5.

1b. Emission Limitation

20% opacity as a six-minute average, except as provided by rule (OAC rule 3745-17-07(A))

Applicable Compliance Method  
OAC rule 3745-17-03(B)(1), if requested.

1c. Emission limitation:

1.6 pounds of sulfur dioxide per mmBtu actual heat input, except as provided by rule (OAC rule 3745-18-06)

Applicable Compliance Method:

When firing fuel oil, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, emission tests shall be performed in accordance with USEPA Method 6.

**VI Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Boiler #4 (B004)

**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Boiler #4 Natural Gas and #2 Oil Fired 84 mmBtu/hr Input	OAC rule 3745-17-10(B)(1)	0.020 lb Particulate Emissions (PE) per mmBtu
	OAC rule 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-18-06(D)	1.6 pounds of Sulfur Dioxide per mmBtu actual heat input except as provided by rule, when burning #2 fuel oil

**2. Additional Terms and Conditions**

- a. None

**II Operational Restrictions**

1. The permittee shall burn only natural gas and/or number two fuel oil in this unit.
2. The quality of the oil received for burning in this emissions unit shall have a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation .

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Boiler #4 (B004)

### **III Monitoring and/or Recordkeeping**

1. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for heat content and sulfur content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)(2).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.
3. The permittee shall perform or require the supplier to perform the analyses for heat content and sulfur content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

### **IV Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 45 days after the deviation occurs.
2. The permittee shall notify the Director (the Northeast District Office ) in writing of any record that shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rate for each shipment of oil during the month. The notification shall include a copy of such record and shall be sent to the Director (the Northeast District Office ) within 45 days after the deviation occurs.

### **V Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. and the operating restrictions in Section II of these terms and conditions shall be determined in accordance with the following method(s):

- 1a. Emission Limitation -

0.020 lb particulate emissions (PE) per mmBtu of heat input (OAC rule 3745-17-10(B)(1))

Applicable Compliance Method:

When natural gas is used, the permittee may multiply the particulate emissions factor of 1.9\* pounds of particulate emissions per million cubic feet of natural gas combusted by the inverse of

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Boiler #4 (B004)

the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (Emission factor \* from AP - 42, Table 1.4 -2.)

When No. 2 fuel oil is used, the permittee may multiply the particulate emissions factor of 2\*\* pounds of particulate emissions per 1000 gallons of oil combusted by the inverse of the heat content of the fuel oil, in Btu per gallon, as supplied by the oil supplier. (Emission factor \*\* from AP - 42, Table 1.3 -2.)

If required, emission tests shall be performed in accordance with USEPA Method 5.

1b. Emission Limitation

20% opacity as a six-minute average, except as provided by rule (OAC rule 3745-17-07(A))

Applicable Compliance Method  
OAC rule 3745-17-03(B)(1), if requested.

1c. Emission limitation:

1.6 pounds of sulfur dioxide per mmBtu actual heat input, except as provided by rule (OAC rule 3745-18-06)

Applicable Compliance Method:

When firing fuel oil, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, emission tests shall be performed in accordance with USEPA Method 6.

**VI Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Boiler #5 (B005)

**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Boiler #5 Natural Gas and #2 Oil Fired 84 mmBtu/hr Input	OAC rule 3745-17-10(B)(1)	0.020 lb Particulate Emissions (PE) per mmBtu
	OAC rule 3745-17-07(A)	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-18-06(D)	1.6 pounds of Sulfur Dioxide per mmBtu actual heat input except as provided by rule, when burning #2 fuel oil

2. **Additional Terms and Conditions**
  - a. None

**II Operational Restrictions**

1. The permittee shall burn only natural gas and/or number two fuel oil in this unit.
2. The quality of the oil received for burning in this emissions unit shall have a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation .

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Boiler #5 (B005)

### **III Monitoring and/or Recordkeeping**

1. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for heat content and sulfur content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)(2).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.
3. The permittee shall perform or require the supplier to perform the analyses for heat content and sulfur content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

### **IV Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 45 days after the deviation occurs.
2. The permittee shall notify the Director (the Northeast District Office ) in writing of any record that shows a deviation of the allowable sulfur dioxide emission limitation based upon the calculated sulfur dioxide emission rate for each shipment of oil during the month. The notification shall include a copy of such record and shall be sent to the Director (the Northeast District Office ) within 45 days after the deviation occurs.

### **V Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. and the operating restrictions in Section II of these terms and conditions shall be determined in accordance with the following method(s):

- 1a. Emission Limitation -

0.020 lb particulate emissions (PE) per mmBtu of heat input (OAC rule 3745-17-10(B)(1))

Applicable Compliance Method:

When natural gas is used, the permittee may multiply the particulate emissions factor of 1.9\* pounds of particulate emissions per million cubic feet of natural gas combusted by the inverse of

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Boiler #5 (B005)

the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (Emission factor \* from AP - 42, Table 1.4 -2.)

When No. 2 fuel oil is used, the permittee may multiply the particulate emissions factor of 2\*\* pounds of particulate emissions per 1000 gallons of oil combusted by the inverse of the heat content of the fuel oil, in Btu per gallon, as supplied by the oil supplier. (Emission factor \*\* from AP - 42, Table 1.3 -2.)

If required, emission tests shall be performed in accordance with USEPA Method 5.

1b. Emission Limitation

20% opacity as a six-minute average, except as provided by rule (OAC rule 3745-17-07(A))

Applicable Compliance Method  
OAC rule 3745-17-03(B)(1), if requested.

1c. Emission limitation:

1.6 pounds of sulfur dioxide per mmBtu actual heat input, except as provided by rule (OAC rule 3745-18-06)

Applicable Compliance Method:

When firing fuel oil, compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

When firing natural gas, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, emission tests shall be performed in accordance with USEPA Method 6.

**VI Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Gasoline Operation (Tank #15&16-Gasoline/Gasoline fill) (G002) Boiler #2 (B002)

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Gasoline Operation (Tank #15&16-Gasoline/Gasoline fill) (G002)  
**Activity Description:** See attached file: LORAPPXA.DOC and LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Gasoline Dispensing Operation (G002)	OAC rule 3745-21-09(R)	Stage I vapor control - 90% control efficiency for volatile organic compounds (VOCs), submerged fill

2. **Additional Terms and Conditions**
  - a. None

**II Operational Restrictions**

1. The permittee shall comply with the following operational restrictions for the Stage I vapor control system:
  - 1a. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline.
  - 1b. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
  - 1c. There shall be no leaks in the vapor lines or liquid lines during the transfer of gasoline.
  - 1d. The transfer of gasoline from a delivery vessel to a stationary storage tank shall be conducted by use of submerged fill into the storage tank. The submerged fill pipe(s) are to be installed so they are within six (6) inches of the bottom of the storage tank.
  - 1e. All fill caps shall be "in place" and clamped during normal storage conditions.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Gasoline Operation (Tank #15&16-Gasoline/Gasoline fill) (G002) Boiler #2 (B002)

- 1f. The permittee shall repair within 15 days any leak from the vapor balance system or vapor control system which is employed to meet the requirements of paragraph (R)(1) of OAC rule 3745-21-09 when such leak is equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.

**III Monitoring and/or Recordkeeping**

1. OAC rule 3745-21-09(R) does not establish or require a regular leak-checking program. However, for any leak checks performed, the permittee shall maintain records of the results of any leak checks, including, at a minimum, the following information:
  - 1a. Date of inspection.
  - 1b. Findings (may indicate no leaks discovered or location, nature, and severity of each leak).
  - 1c. Leak determination method.
  - 1d. Corrective action (date each leak repaired and reasons for any repair interval in excess of 15 calendar days).
  - 1e. Inspector's name and signature.

**IV Reporting Requirements**

1. Any leak from the vapor balance system or vapor control system that is not repaired within 15 days after identification shall be reported to the Director within 30 days after the repair is completed.

**V Testing Requirements**

None

**VI Miscellaneous Requirements**

None

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Gasoline Operation (Tank #15&16-Gasoline/Gasoline fill) (G002) Boiler #2 (B002)

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Topcoat and Primer Surfacer Systems (K002)

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Topcoat and Primer Surfacer Systems (K002)

**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Topcoat System (Includes First Undercoat Booth and Oven, Second Undercoat Booth and Oven, First Color Booth and Oven, Second Color Booth and Oven, and Third Color Booth and Oven.)	OAC rule 3745-21-09(C)(1)(c)	See A.I.2.a.
	OAC rule 3745-21-09(C)(1)(a)(v)	See A.I.2.b.

2. **Additional Terms and Conditions**

- a. The VOC emissions from the topcoat coating operations of this emissions unit shall not exceed 15.1 pounds VOC per gallon of solids applied (deposited), as a daily volume-weighted average.
- b. The VOC emissions from the antichip coatings, guidecoat, and surfacer coatings of this emissions unit shall not exceed 15.1 pounds VOC per gallon of solids applied (deposited), as a daily volume-weighted average.

**II Operational Restrictions**

1. The average combustion temperature within each of the thermal oxidizers, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Topcoat and Primer Surfacer Systems  
(K002)

### **III Monitoring and/or Recordkeeping**

1. The permittee shall operate and maintain continuous temperature monitors and recorders which measure and record the combustion temperature within the thermal oxidizers when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitors and recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. (The temperature recorder for each thermal oxidizer shall record the temperature data not less than once during each 15-minute period of operation of the thermal oxidizer.)
2. The permittee shall collect and record the following information for each day for the coating line and control equipment:
  - 2a. A log of operating time for the capture system, oxidizers, monitoring equipment and the associated emissions units, pursuant to OAC rule 3745-21-09(B)(4)(b)(i).
  - 2b. All 3-hour blocks of time during which the average combustion temperature within the thermal oxidizers, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance, pursuant to OAC rule 3745-21-09(B)(4)(b)(ii).
3. Pursuant to OAC rule 3745-21-09(C)(4), the permittee shall maintain daily records for the topcoat operation that will enable the permittee to calculate the VOC emission rate in order to demonstrate compliance with the emissions limitation identified in pat A.I.1 above for the topcoat operation in accordance with the U.S.EPA's " Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobiles and Light-Duty Truck Topcoat Operations" (EPA-450/3-88-028, Dec.1988) and any subsequent revisions thereof. The permittee shall calculate the VOC emission rate for the topcoat operation in pounds of VOC per gallon of solids applied for each day of operation.
4. Pursuant to OAC rule 3745-21-09(C)(4), the permittee shall maintain daily records for the guidecoat/surfacer operation that will enable the permittee to calculate the VOC emission rate in order to demonstrate compliance with the emissions limitation identified in pat A.I.1 above for the guidecoat/surfacer operation in accordance with the U.S.EPA's " Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobiles and Light-Duty Truck Topcoat Operations" (EPA-450/3-88-028, Dec.1988) and any subsequent revisions thereof. The permittee shall calculate the VOC emission rate for the guidecoat/surfacer operation in pounds of VOC per gallon of solids applied for each day of operation.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Topcoat and Primer Surfacer Systems  
(K002)

5. The permittee shall keep records of the compositions and quantities of all the miscellaneous solvents (e.g., cleanup solvents, purge solvents, etc.) used at the facility on an annual basis.

#### **IV Reporting Requirements**

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office) in writing of any daily record showing that the calculated, controlled VOC emission rates exceed(s) the applicable pounds of VOC per gallon of solids limitation for the topcoat operation and/or the guidecoat/surfacer operation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 45 days after the exceedance occurs.
2. The permittee shall submit temperature deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizers, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.
3. By February 15 of each year, and in accordance with section 18 of the U.S.EPA's "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobiles and Light-Duty Truck Topcoat Operations" (EPA-450/3-88-028, December 1988) and any subsequent revisions thereof, the permittee shall submit to the Ohio EPA Northeast District Office a report which reviews the current operating conditions for this emissions unit and compares them to the conditions in existence at the time of the most recent transfer efficiency tests.

If significant product, processing, material, or application equipment changes have occurred which necessitate a re-evaluation of the transfer efficiency for each operation which has been modified, the permittee shall complete the re-evaluation and submit the results to the Ohio EPA Northeast District Office within 60 days following the completion of re-evaluation testing.

#### **V Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - 1a. The emission testing shall be conducted approximately 2 years after permit issuance and within 6 months prior to permit expiration, or at approximately 2.5 year intervals starting with the date of the last test that showed compliance.
  - 1b. The emission testing shall be conducted to demonstrate compliance by measuring the control efficiencies for VOC for the oxidizers operated in association with this emissions unit.
  - 1c. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Northeast District Office.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Topcoat and Primer Surfacer Systems  
(K002)

- 1d. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for VOC's, Method 24 or 24A, and Method 25 or 25A of 40 CFR Part 60, Appendix A, formulation data, or any approved alternative test method.
- 1e. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or an approved alternative test protocol. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.
- 1f. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Northeast District Office's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA Northeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

2. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Northeast District Office within 45 days following completion of the test(s).
3. USEPA Method 24 shall be used to determine the VOC contents of the coatings employed. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

The VOC content of each cleanup material used shall be based upon USEPA Method 24 or formulation data.

## **VI Miscellaneous Requirements**

None

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Topcoat and Primer Surfacer Systems (K002)

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Final Repair, Primer (K008)

**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Final Repair Coating Line	OAC rule 3745-21-09(C)(1)(d)	See A.I.2.a.
	PTI No. 02-8016 OAC rule 3745-31-05	See A.I.2.b.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d).

2. **Additional Terms and Conditions**

- a. The VOC content of all the coatings employed shall not exceed 4.8 pounds of VOC per gallon of coating, excluding water and exempt solvents.
- b. The total VOC emissions, including cleanup materials, from emissions units K008 ( Final Repair- Primer), K018 ( Final Repair -Spot #1), K019 ( Final Repair -Spot #2), K020 ( Final Repair -Panel #1), K021 ( Final Repair -Panel #2), and K022 ( Final Repair -Panel #3), combined, shall not exceed 160 pounds of VOC per day.

The total VOC emissions, including cleanup materials, from emissions units K008 and K018-K022, combined, shall not exceed 24 tons per year.

**II Operational Restrictions**

None

**III Monitoring and/or Recordkeeping**

1. Pursuant to PTI No. 02-8016, the permittee shall collect and record the following information for each day for emissions units K008 and K018 - K022, combined:
  - 1a. The name and identification number of each coating, as applied.
  - 1b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - 1c. The daily volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2 or approved alternative.

(The permittee will be recording the required information for each day at the end of the calendar month.)

2. The permittee shall collect and record the following information for each day for emissions units K008 and K018 - K022, combined:
  - 2a. The name and identification of each cleanup material employed.
  - 2b. The number of gallons of each cleanup material employed.
  - 2c. The VOC content of each cleanup material, in pounds per gallon.
  - 2d. The total VOC emissions from all coatings and cleanup materials employed, in pounds.

(The permittee will be recording the required information for each day at the end of the calendar month.)

**IV Reporting Requirements**

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office ) in writing of any daily record showing that the daily volume-weighted average VOC content exceeded the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each daily record showing that the daily VOC limitation of 160 pounds of VOC/day was exceeded.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Final Repair, Primer (K008)

3. The permittee shall submit annual reports that specify the total VOC emissions from emissions units K008 and K018 - K022, combined, for the previous calendar year. These reports shall be submitted by January 31 of each year.

**V Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

- 1a. Emission Limitation -  
4.8 lbs VOC/gallon coating excluding water and exempt solvents, as a daily volume-weighted average

Applicable Compliance Method -

Compliance shall be based upon the record keeping in A.III.1. USEPA Method 24 shall be used to determine the VOC contents of the coatings employed. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

- 1b. Emission Limitation -  
24 tons of VOC per year.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2 and shall be the sum of the daily emission rates for the calendar year, divided by 2000.

- 1c. Emission Limitation -  
160 pounds of VOC per day from K008, K018, K019, K020, K021, and K022, combined.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2.

USEPA Method 24 or formulation data shall be used to determine the VOC contents of the cleanup materials.

**VI Miscellaneous Requirements**

None

**State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Cathodic EDP Prime Coating System (K017)

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Cathodic EDP Prime Coating System (K017)

**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Elpo Dip Tank and Bake Oven	40 CFR Part 60, Subpart MM	See A.I.2.a.
	PTI No. 02-7344 OAC rule 3745-31-05	See A.I.2.b and c.  The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart MM.
	OAC rule 3745-21-09(C)	See A.I.2.d.

**2. Additional Terms and Conditions**

- a. The permittee shall not cause to be discharged into the atmosphere from this emissions unit VOC emissions in excess of 0.16 kilograms of VOC per liter of applied solids, or 1.33 pounds of VOC per gallon of applied solids, on a monthly volume-weighted average basis.
- b. The volatile organic compound (VOC) contents of the coatings employed in this emissions unit shall not exceed 0.6 pound of VOC per gallon of coating, excluding water and exempt solvents, on a monthly volume-weighted average basis.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Cathodic EDP Prime Coating System  
(K017)

- c. The maximum daily emission rate for this emissions unit shall not exceed 301 pounds of VOC. In addition, the total VOC emissions from this emissions unit, including cleanup materials, shall not exceed 45.2 tons per year.
- d. The requirements of OAC rule 3745-21-09(C) are less stringent than the requirements of 40 CFR 60, Subpart MM and OAC rule 3745-31-05.

## **II Operational Restrictions**

- 1. The permittee shall limit the production operation of the Elpo Dip System to 6000 hours per year.
- 2. The permittee shall employ a VOC capture system that captures emissions from the Elpo Dip System. The total capture efficiency for this system shall be at least 70%, by weight, for all coatings and solvents employed.
- 3. The permittee shall operate a VOC oxidizer system at all times the Elpo Dip System is in operation. This VOC oxidizers shall either have a destruction efficiency of no less than 90% of non-methane volatile organic compounds or shall meet an outlet concentration of 25 ppm , whichever is less stringent.
- 4. The average temperature of the exhaust gases immediately before the catalyst beds in the two oxidizers, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
- 5. The catalytic oxidizers shall be operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals. The conversion efficiency of the catalyst in the catalytic oxidizers, as determined during the catalytic activity test, shall be at least 90% at a test temperature that is representative of the normal temperature at the inlet to the catalytic oxidizers. Solvent loading during the catalyst activity test shall be consistent with the test laboratory's normal testing protocol.

## **III Monitoring and/or Recordkeeping**

- 1. The permittee shall operate and maintain continuous temperature monitors and recorder(s) which measure and record(s) the temperature immediately upstream and downstream of each oxidizer's catalyst bed when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitors and recorder(s) shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Cathodic EDP Prime Coating System  
(K017)

2. The permittee shall collect and record the following information for each month for this emissions unit:
  - 2a. The name and identification number of each material (coating, solvent, etc.) added to the dip tank.
  - 2b. The VOC content, in pounds VOC per gallon, excluding water and exempt solvents, of each material added to the dip tank.
  - 2c. The volume, in gallons (excluding water and exempt solvents), of each material added to the dip tank.
  - 2d. The uncontrolled, monthly volume-weighted average VOC content of the materials added to the dip tank, in pounds VOC per gallon (excluding water and exempt solvents).
  - 2e. The calculated, controlled VOC emission rate, in pounds of VOC per gallon of coating, excluding water and exempt solvents. If the emission reductions achieved by the catalytic oxidizer are used by the permittee to demonstrate compliance with the limitation specified in A.I.2.b, the controlled VOC emission rate shall be calculated using (i) the uncontrolled, monthly volume-weighted average VOC content and (ii) the overall control efficiency for the control equipment as determined during the most recent emission test that demonstrated that the emissions unit was in compliance. If the emission reductions achieved by the catalytic oxidizer are not used by the permittee to demonstrate compliance with the limitation specified in A.I.2.b, the controlled VOC emission rate shall be equal to the value recorded in A.III.2.d.
  - 2f. The total uncontrolled VOC emissions from all the materials added to the dip tank.
  - 2g. The calculated, controlled VOC emissions from all the materials added to the dip tank, in pounds. If the emission reductions achieved by the catalytic oxidizer are used by the permittee to demonstrate compliance with the limitation specified in A.I.2.c, the controlled VOC emission rate shall be calculated using (i) the total VOC emissions from A.III.2.f and (ii) the overall control efficiency for the control equipment as determined during the most recent emission test that demonstrated that the emissions unit was in compliance. If the emission reductions achieved by the catalytic oxidizer are not used by the permittee to demonstrate compliance with the limitation specified in A.I.2.c, the controlled VOC emission rate shall be equal to the value recorded in A.III.2.f.
  - 2h. A log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
  - 2i. The total number of days of operation of this emissions unit.
  - 2j. The average daily VOC emission rate, in pounds (g/i).

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Cathodic EDP Prime Coating System  
(K017)

- 2k. All 3-hour blocks of time (when the emissions unit was in operation) during which the average temperature of the exhaust gases immediately before the catalyst beds was more than 50 degrees Fahrenheit below the average temperature of the exhaust gases during the most recent performance test that demonstrated the emissions unit was in compliance.
- 2l. If the emission reductions achieved by the catalytic oxidizer are used by the permittee to demonstrate compliance with the limitations specified in A.I.2.a, A.I.2.b, and/or A.I.2.c, all 3-hour blocks of time during which the average temperature difference across the catalyst beds was less than 80 percent of the average temperature difference during the most recent performance test that demonstrated the emissions unit was in compliance.
3. The permittee shall maintain monthly records of the total hours of production operation of the Elpo Dip System.
4. The permittee shall collect and record the following information for each month for this emissions unit:
  - 4a. The name and identification number of each coating material added to the dip tank .
  - 4b. The VOC content, in pounds of VOC per gallon, of each material added to the dip tank.
  - 4c. The volume, in gallons and the solids content, in gallon of solids per gallon, of each material employed.
  - 4d. The monthly volume-weighted average VOC content of the materials added to the dip tank, in pounds VOC per gallon of solids applied.
  - 4e. The calculated, controlled VOC emission rate, in pounds of VOC per gallon of coating solids. If the emission reductions achieved by the catalytic oxidizer are used by the permittee to demonstrate compliance with the limitation specified in A.I.2.a, the controlled VOC emission rate shall be calculated using (i) the monthly volume-weighted VOC content and (ii) the overall control efficiency for the control equipment as determined during the most recent emission test that demonstrated that the emissions unit was in compliance. If the emission reductions achieved by the catalytic oxidizer are not used by the permittee to demonstrate compliance with the limitation specified in A.I.2.a, the controlled VOC emission rate shall be equal to the value recorded in A.III.4.d.
5. The permittee shall perform a preventative maintenance inspection of the catalytic oxidizers on an annual basis to evaluate the performance of the catalyst bed. The inspection shall consist of internal and visual inspections and shall, at a minimum, include a physical inspection of the units and checks of associated equipment, including but not limited to burners, controls, dampers, valves, and monitoring and recording equipment. The checks of associated equipment shall be performed in accordance with the manufacturer's recommendations or best practices as determined by the permittee if the manufacturer is silent on appropriate inspection procedures.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Cathodic EDP Prime Coating System  
(K017)

Repair and replacement of equipment shall be performed as necessitated by the inspection. A sample of catalyst material shall be collected from the catalyst bed to perform the catalyst activity tests required in term A.V.7.

The permittee shall maintain a record of the results of each annual inspection, as well as the results of each annual catalyst activity test required in term A.V.7.

#### **IV Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify each monthly record showing that the calculated, controlled VOC emission rate exceeded the applicable pounds of VOC per gallon of solids limitation.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each monthly record showing that the daily emission rate of 301 pounds of VOC was exceeded.
3. The permittee shall submit quarterly deviation (excursion) reports that identify each monthly record showing that the monthly volume-weighted average VOC content limitation of 0.6 pound/gallon of coating, excluding water and exempt solvents, was exceeded.
4. The permittee shall submit quarterly temperature deviation (excursion) reports that identify all 3-hour blocks of time when the emissions unit was in operation during which the average temperature of the exhaust gases immediately before the catalyst beds did not comply with the temperature limitation specified above.
5. If the emission reductions achieved by the catalytic oxidizer are used by the permittee to demonstrate compliance with the limitations specified in A.I.2.a, A.I.2.b, and/or A.I.2.c, the permittee shall submit quarterly temperature reports that identify all 3-hour blocks of time during which the average temperature difference across the catalyst bed was less than 80 percent of the average temperature difference across the bed during the most recent performance test that demonstrated the emissions unit was in compliance.
6. The permittee shall submit annual reports which identify any exceedances of the annual operating hours limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
7. The permittee shall submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Cathodic EDP Prime Coating System  
(K017)

8. The permittee shall submit reports that include the results of the catalyst activity tests required in term A.V.7. These reports shall be submitted within 45 days after each catalyst activity test is performed.

## **V Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - 1a. The emission testing shall be conducted approximately 2 years after issuance and within 6 months prior to permit expiration, or at approximately 2.5 year intervals starting with the date of the last test that showed compliance.
  - 1b. The emission testing shall be conducted to demonstrate compliance with the VOC capture efficiency and control efficiency requirements specified in Section A.II.
  - 1c. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Northeast District Office.
  - 1d. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency," dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)
  - 1e. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10 or an approved alternative test protocol. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.
  - 1f. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA Northeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Northeast District Office's refusal to accept the results of the emission test(s).

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Cathodic EDP Prime Coating System  
(K017)

Personnel from the appropriate Ohio EPA Northeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

2. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Northeast District Office within 45 days following completion of the test(s).

3. Emission Limitation -  
301 pounds of VOC per day

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2.

4. Emission Limitation-  
0.6 pounds VOC per gallon of coating, excluding water and exempt solvent, on a monthly volume-weighted average, and 1.33 pounds of VOC per gallon of applied solids.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2 and Section A.III.4, respectively.

5. Emission Limitation -  
45.2 tons of VOC per year.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2.

6. USEPA Method 24 shall be used to determine the VOC contents of the coatings employed. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Cathodic EDP Prime Coating System (K017)

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Final Repair, Spot #1 (K018)

**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Final Process Spot Repair Booth Spot #1	OAC rule 3745-21-09(C)(1)(d)	See A.I.2.a.
	PTI No. 02-8016 OAC rule 3745-31-05	See A.I.2.b.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d).

2. **Additional Terms and Conditions**

- a. The VOC content of all the coatings employed shall not exceed 4.8 pounds of VOC per gallon of coating, excluding water and exempt solvents.
- b. The total VOC emissions, including cleanup materials, from emissions units K008 ( Final Repair- Primer), K018 ( Final Repair -Spot #1), K019 ( Final Repair -Spot #2), K020 ( Final Repair -Panel #1), K021 ( Final Repair -Panel #2), and K022 ( Final Repair -Panel #3), combined, shall not exceed 160 pounds of VOC per day.

The total VOC emissions, including cleanup materials, from emissions units K008 and K018 - K022, combined, shall not exceed 24 tons per year.

**II Operational Restrictions**

None

### III Monitoring and/or Recordkeeping

1. Pursuant to PTI No. 02-8016, the permittee shall collect and record the following information for each day for emissions units K008 and K018 - K022, combined:
  - 1a. The name and identification number of each coating, as applied.
  - 1b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - 1c. The daily volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2 or approved alternative.

(The permittee will be recording the required information for each day at the end of the calendar month.)

2. The permittee shall collect and record the following information for each day for emissions units K008 and K018 - K022, combined:
  - 2a. The name and identification of each cleanup material employed.
  - 2b. The number of gallons of each cleanup material employed.
  - 2c. The VOC content of each cleanup material, in pounds per gallon.
  - 2d. The total VOC emissions from all coatings and cleanup materials employed, in pounds.

(The permittee will be recording the required information for each day at the end of the calendar month.)

### IV Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office ) in writing of any daily record showing that the daily volume-weighted average VOC content exceeded the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each daily record showing that the daily VOC limitation of 160 pounds of VOC/day was exceeded

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Final Repair, Spot #1 (K018)

3. The permittee shall submit annual reports that specify the total VOC emissions from emissions units K008 and K018 - K022, combined, for the previous calendar year. These reports shall be submitted by January 31 of each year.

## **V Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

- 1a. Emission Limitation -  
4.8 lbs VOC/gallon coating excluding water and exempt solvents, as a daily volume-weighted average

Applicable Compliance Method -

Compliance shall be based upon the record keeping in A.III.1. USEPA Method 24 shall be used to determine the VOC contents of the coatings employed. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

- 1b. Emission Limitation -  
24 tons of VOC per year.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2 and shall be the sum of the daily emission rates for the calendar year, divided by 2000.

- 1c. Emission Limitation -  
160 pounds of VOC per day from K008, K018, K019, K020, K021, and K022, combined.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2.

USEPA Method 24 or formulation data shall be used to determine the VOC contents of the cleanup materials.

## **VI Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Final Repair, Spot #2 (K019)  
**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Final Process Spot Repair Booth Spot #2	OAC rule 3745-21-09(C)(1)(d)	See A.I.2.a.
	PTI No. 02-8016 OAC rule 3745-31-05	See A.I.2.b.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d).

**2. Additional Terms and Conditions**

- a. The VOC content of all the coatings employed shall not exceed 4.8 pounds of VOC per gallon of coating, excluding water and exempt solvents.
- b. The total VOC emissions, including cleanup materials, from emissions units K008 ( Final Repair- Primer), K018 ( Final Repair -Spot #1), K019 ( Final Repair -Spot #2), K020 ( Final Repair -Panel #1), K021 ( Final Repair -Panel #2), and K022 ( Final Repair -Panel #3), combined, shall not exceed 160 pounds of VOC per day.

The total VOC emissions, including cleanup materials, from emissions units K008 and K018-K022, combined, shall not exceed 24 tons per year.

**II Operational Restrictions**  
None

### III Monitoring and/or Recordkeeping

1. Pursuant to PTI No. 02-8016, the permittee shall collect and record the following information for each day for emissions units K008 and K018 - K022, combined:
  - 1a. The name and identification number of each coating, as applied.
  - 1b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - 1c. The daily volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2 or approved alternative.

(The permittee will be recording the required information for each day at the end of the calendar month.)

2. The permittee shall collect and record the following information for each day for emissions units K008 and K018 - K022, combined:
  - 2a. The name and identification of each cleanup material employed.
  - 2b. The number of gallons of each cleanup material employed.
  - 2c. The VOC content of each cleanup material, in pounds per gallon.
  - 2d. The total VOC emissions from all coatings and cleanup materials employed, in pounds.

(The permittee will be recording the required information for each day at the end of the calendar month.)

### IV Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office ) in writing of any daily record showing that the daily volume-weighted average VOC content exceeded the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each daily record showing that the daily VOC limitation of 160 pounds of VOC/day was exceeded.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Final Repair, Spot #2 (K019)

3. The permittee shall submit annual reports that specify the total VOC emissions from emissions units K008 and K018 - K022, combined, for the previous calendar year. These reports shall be submitted by January 31 of each year.

## **V Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

- 1a. Emission Limitation -  
4.8 lbs VOC/gallon coating excluding water and exempt solvents, as a daily volume-weighted average

Applicable Compliance Method -

Compliance shall be based upon the record keeping in A.III.1. USEPA Method 24 shall be used to determine the VOC contents of the coatings employed. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

- 1b. Emission Limitation -  
24 tons of VOC per year.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2 and shall be the sum of the daily emission rates for the calendar year, divided by 2000.

- 1c. Emission Limitation -  
160 pounds of VOC per day from K008, K018, K019, K020, K021, and K022, combined.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2.

USEPA Method 24 or formulation data shall be used to determine the VOC contents of the cleanup materials.

## **VI Miscellaneous Requirements**

None

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Final Repair, Spot #2 (K019)

Facility Name: GM NAO/SCG Lordstown Assembly

Facility ID: 02-78-00-0199

Emissions Unit: Final Repair, Spot #2 (K019)

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

**2. Additional Terms and Conditions**

None

**II Operational Restrictions**

None

**III Monitoring and/or Recordkeeping**

None

**IV Reporting Requirements**

None

**V Testing Requirements**

None

**VI Miscellaneous Requirements**

None

Facility Name: GM NAO/SCG Lordstown Assembly

Facility ID: 02-78-00-0199

Emissions Unit: Final Repair, Panel #1 (K020)

### Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

**Emissions Unit ID:** Final Repair, Panel #1 (K020)

**Activity Description:** See attached file: LORAPPXB.DOC

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Final Process Spot Repair Booth Panel #1	OAC rule 3745-21-09(C)(1)(d)	See A.I.2.a.
	PTI No. 02-8016 OAC rule 3745-31-05	See A.I.2.b.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d).

##### 2. Additional Terms and Conditions

- a. The VOC content of all the coatings employed shall not exceed 4.8 pounds of VOC per gallon of coating, excluding water and exempt solvents.
- b. The total VOC emissions, including cleanup materials, from emissions units K008 ( Final Repair- Primer), K018 ( Final Repair -Spot #1), K019 ( Final Repair -Spot #2), K020 ( Final Repair -Panel #1), K021 ( Final Repair -Panel #2), and K022 ( Final Repair -Panel #3), combined, shall not exceed 160 pounds of VOC per day.

The total VOC emissions, including cleanup materials, from emissions units K008 and K018-K022, combined, shall not exceed 24 tons per year.

#### II Operational Restrictions

None

### III Monitoring and/or Recordkeeping

1. Pursuant to PTI No. 02-8016, the permittee shall collect and record the following information for each day for emissions units K008 and K018 - K022, combined:
  - 1a. The name and identification number of each coating, as applied.
  - 1b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - 1c. The daily volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2 or approved alternative.

(The permittee will be recording the required information for each day at the end of the calendar month.)

2. The permittee shall collect and record the following information for each day for emissions units K008 and K018 - K022, combined:
  - 2a. The name and identification of each cleanup material employed.
  - 2b. The number of gallons of each cleanup material employed.
  - 2c. The VOC content of each cleanup material, in pounds per gallon.
  - 2d. The total VOC emissions from all coatings and cleanup materials employed, in pounds.

(The permittee will be recording the required information for each day at the end of the calendar month.)

### IV Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office ) in writing of any daily record showing that the daily volume-weighted average VOC content exceeded the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each daily record showing that the daily VOC limitation of 160 pounds of VOC/day was exceeded.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Final Repair, Panel #1 (K020)

3. The permittee shall submit annual reports that specify the total VOC emissions from emissions units K008 and K018 - K022, combined, for the previous calendar year. These reports shall be submitted by January 31 of each year.

## **V Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

- 1a. Emission Limitation -  
4.8 lbs VOC/gallon coating excluding water and exempt solvents, as a daily volume-weighted average

Applicable Compliance Method -

Compliance shall be based upon the record keeping in A.III.1. USEPA Method 24 shall be used to determine the VOC contents of the coatings employed. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

- 1b. Emission Limitation -  
24 tons of VOC per year.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2 and shall be the sum of the daily emission rates for the calendar year, divided by 2000.

- 1c. Emission Limitation -  
160 pounds of VOC per day from K008, K018, K019, K020, K021, and K022, combined.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2.

USEPA Method 24 or formulation data shall be used to determine the VOC contents of the cleanup materials.

## **VI Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

Facility Name: GM NAO/SCG Lordstown Assembly

Facility ID: 02-78-00-0199

Emissions Unit: Final Repair, Panel #2 (K021)

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Final Repair, Panel #2 (K021)

**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Final Process Spot Repair Booth Spot #1	OAC rule 3745-21-09(C)(1)(d)  PTI No. 02-8016 OAC rule 3745-31-05	See A.I.2.a.  See A.I.2.b.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d).

**2. Additional Terms and Conditions**

- a. The VOC content of all the coatings employed shall not exceed 4.8 pounds of VOC per gallon of coating, excluding water and exempt solvents.
- b. The total VOC emissions, including cleanup materials, from emissions units K008 ( Final Repair- Primer), K018 ( Final Repair -Spot #1), K019 ( Final Repair -Spot #2), K020 ( Final Repair -Panel #1), K021 ( Final Repair -Panel #2), and K022 ( Final Repair -Panel #3), combined, shall not exceed 160 pounds of VOC per day.

The total VOC emissions, including cleanup materials, from emissions units K008 and K018-K022, combined, shall not exceed 24 tons per year.

**II Operational Restrictions**

None

### III Monitoring and/or Recordkeeping

1. Pursuant to PTI No. 02-8016, the permittee shall collect and record the following information for each day for emissions units K008 and K018 - K022, combined:
  - 1a. The name and identification number of each coating, as applied.
  - 1b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - 1c. The daily volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2 or approved alternative.

(The permittee will be recording the required information for each day at the end of the calendar month.)

2. The permittee shall collect and record the following information for each day for emissions units K008 and K018 - K022, combined:
  - 2a. The name and identification of each cleanup material employed.
  - 2b. The number of gallons of each cleanup material employed.
  - 2c. The VOC content of each cleanup material, in pounds per gallon.
  - 2d. The total VOC emissions from all coatings and cleanup materials employed, in pounds.

(The permittee will be recording the required information for each day at the end of the calendar month.)

### IV Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office ) in writing of any daily record showing that the daily volume-weighted average VOC content exceeded the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each daily record showing that the daily VOC limitation of 160 pounds of VOC/day was exceeded.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Final Repair, Panel #2 (K021)

3. The permittee shall submit annual reports that specify the total VOC emissions from emissions units K008 and K018 - K022, combined, for the previous calendar year. These reports shall be submitted by January 31 of each year.

## **V Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

- 1a. Emission Limitation -  
4.8 lbs VOC/gallon coating excluding water and exempt solvents, as a daily volume-weighted average

Applicable Compliance Method -

Compliance shall be based upon the record keeping in A.III.1. USEPA Method 24 shall be used to determine the VOC contents of the coatings employed. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

- 1b. Emission Limitation -  
24 tons of VOC per year.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2 and shall be the sum of the daily emission rates for the calendar year, divided by 2000.

- 1c. Emission Limitation -  
160 pounds of VOC per day from K008, K018, K019, K020, K021, and K022, combined.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2.

USEPA Method 24 or formulation data shall be used to determine the VOC contents of the cleanup materials.

## **VI Miscellaneous Requirements**

None

**Facility Name: GM NAO/SCG Lordstown Assembly**

**Facility ID: 02-78-00-0199**

**Emissions Unit: Final Repair, Panel #2 (K021)**

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Final Repair, Panel #3 (K022)

**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Final Process Spot Repair Booth Panel #3	OAC rule 3745-21-09(C)(1)(d)  PTI No. 02-8016 OAC rule 3745-31-05	See A.I.2.a.  See A.I.2.b.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(C)(1)(d).

**2. Additional Terms and Conditions**

- a. The VOC content of all the coatings employed shall not exceed 4.8 pounds of VOC per gallon of coating, excluding water and exempt solvents.
- b. The total VOC emissions, including cleanup materials, from emissions units K008 ( Final Repair- Primer), K018 ( Final Repair -Spot #1), K019 ( Final Repair -Spot #2), K020 ( Final Repair -Panel #1), K021 ( Final Repair -Panel #2), and K022 ( Final Repair -Panel #3), combined, shall not exceed 160 pounds of VOC per day.

The total VOC emissions, including cleanup materials, from emissions units K008 and K018-K022, combined, shall not exceed 24 tons per year.

**II Operational Restrictions**

None

### III Monitoring and/or Recordkeeping

1. Pursuant to PTI No. 02-8016, the permittee shall collect and record the following information for each day for emissions units K008 and K018 - K022, combined:
  - 1a. The name and identification number of each coating, as applied.
  - 1b. The VOC content (excluding water and exempt solvents) and the number of gallons (excluding water and exempt solvents) of each coating, as applied.
  - 1c. The daily volume-weighted average VOC content of all coatings, as applied, calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for CVOC,2 or approved alternative.

(The permittee will be recording the required information for each day at the end of the calendar month.)

2. The permittee shall collect and record the following information for each day for emissions units K008 and K018 - K022, combined:
  - 2a. The name and identification of each cleanup material employed.
  - 2b. The number of gallons of each cleanup material employed.
  - 2c. The VOC content of each cleanup material, in pounds per gallon.
  - 2d. The total VOC emissions from all coatings and cleanup materials employed, in pounds.

(The permittee will be recording the required information for each day at the end of the calendar month.)

### IV Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office ) in writing of any daily record showing that the daily volume-weighted average VOC content exceeded the applicable limitation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each daily record showing that the daily VOC limitation of 160 pounds of VOC/day was exceeded.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Final Repair, Panel #3 (K022)

3. The permittee shall submit annual reports that specify the total VOC emissions from emissions units K008 and K018 - K022, combined, for the previous calendar year. These reports shall be submitted by January 31 of each year.

## **V Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

- 1a. Emission Limitation -  
4.8 lbs VOC/gallon coating excluding water and exempt solvents, as a daily volume-weighted average

Applicable Compliance Method -

Compliance shall be based upon the record keeping in A.III.1. USEPA Method 24 shall be used to determine the VOC contents of the coatings employed. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

- 1b. Emission Limitation -  
24 tons of VOC per year.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2 and shall be the sum of the daily emission rates for the calendar year, divided by 2000.

- 1c. Emission Limitation -  
160 pounds of VOC per day from K008, K018, K019, K020, K021, and K022, combined.

Applicable Compliance Method -

Compliance shall be based upon the record keeping specified in Section A.III.2.

USEPA Method 24 or formulation data shall be used to determine the VOC contents of the cleanup materials.

## **VI Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Solvent Pre-Wipe Booth (L002)  
**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Solvent Pre-Wipe Booth	PTI No. 02-6295 OAC rule 3745-31-05(A)(3)	6.23 pounds VOC per gallon of cleanup or wipe material employed, excluding water and exempt solvents
	OAC rule 3745-21-07(G)	See A.I.2.a.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G).  Exempt, see A.II.1 below.

**2. Additional Terms and Conditions**

- a. The emissions from this emissions unit shall not exceed 170 pounds of VOC per day. In addition, the total VOC emissions from this emissions unit shall not exceed 31 tons per year.

**II Operational Restrictions**

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, the Ohio EPA. Such notification shall include

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Solvent Pre-Wipe Booth (L002)

information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emission limits and/or control requirements as defined in OAC rule 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the solvent composition of the material, and the maximum amount to be used, in pounds per hour.

### **III Monitoring and/or Recordkeeping**

1. The permittee shall collect and record the following information each day for this emissions unit:
  - 1a. The name and identification of each cleanup or wipe material employed.
  - 1b. The number of gallons of each cleanup or wipe material employed, excluding water and exempt solvents.
  - 1c. The VOC content of each cleanup or wipe material employed, in pounds per gallon excluding water and exempt solvents.
  - 1d. The total VOC emissions from all cleanup or wipe materials, in pounds and tons.
  - 1e. Whether or not each cleanup or wipe material employed is a photochemically reactive material.

### **IV Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify each exceedance of the daily VOC emission limitation.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each exceedance of the VOC content limitation.
3. The permittee shall submit annual reports that specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
4. The permittee shall submit quarterly deviation reports that identify the days during which any photochemically reactive material was employed in this emissions unit. Each report shall identify the cause for the use of the photochemically reactive material(s), and the estimated total quantity of material(s) emitted during each such day, in pounds.

### **V Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Solvent Pre-Wipe Booth (L002)

1a. Emission Limitation -  
170 pounds of VOC per day.

Applicable Compliance Method -  
Compliance shall be based upon the record keeping specified in Section A.III.1.

1b. The VOC content of each wipe or cleanup material shall be based upon the use of USEPA Method 24 or formulation data.

1c. Emission Limitation -  
31 tons of VOC per year.

Applicable Compliance Method -  
Compliance shall be based upon the record keeping specified in Section A.III.1.

**VI Miscellaneous Requirements**  
None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Deadner (R017)

**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Deadener Spray Booth	OAC rule 3745-21-09(U)(1)(d)	See A.I.2.a.

2. **Additional Terms and Conditions**

- a. The VOC content of each coating employed in this emissions unit shall not exceed 3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**II Operational Restrictions**

None

**III Monitoring and/or Recordkeeping**

1. The permittee shall collect and record the following information each month for the line:
  - 1a. The name and identification number of each coating, as applied.
  - 1b. The VOC content of each coating, in pounds per gallon excluding water and exempt solvents, as applied.

**IV Reporting Requirements**

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office ) in writing of any daily record showing that the VOC content of any coating exceeded the VOC content limitation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 30 days following the end of the calendar month.

**Facility Name:** GM NAO/SCG Lordstown Assembly

**Facility ID:** 02-78-00-0199

**Emissions Unit:** Deadner (R017)

**V Testing Requirements**

1. Emission Limitation - 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method -

OAC rule 3745-21-10(B). USEPA Method 24 shall be used to determine the VOC contents of the coatings employed. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

2. The VOC content of each cleanup material used shall be based upon USEPA Method 24 or formulation data.

**VI Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**Emissions Unit ID:** Sealers/Adhesives (R018)  
**Activity Description:** See attached file: LORAPPXB.DOC

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Sealers/Adhesives	OAC rule 3745-21-09(U)(1)(g)	See A.I.2.a.

2. **Additional Terms and Conditions**

- a. The VOC content of each coating, sealer and adhesive employed in this emissions unit shall not exceed 4.9 pounds of VOC per gallon of coating, excluding water and exempt solvents.

**II Operational Restrictions**

None

**III Monitoring and/or Recordkeeping**

1. The permittee shall collect and record the following information each month for the line:
  - 1a. The name and identification number of each coating/adhesive/sealer , as applied.
  - 1b. The VOC content of each coating/adhesive/sealer, in pounds per gallon excluding water and exempt solvents, as applied.

**IV Reporting Requirements**

1. The permittee shall notify the Director (the Ohio EPA Northeast District Office ) in writing of any daily record showing that the VOC content of any coating exceeded the VOC content limitation.

**Facility Name:** GM NAO/SCG Lordstown Assembly  
**Facility ID:** 02-78-00-0199  
**Emissions Unit:** Sealers/Adhesives (R018)

The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA Northeast District Office) within 30 days following the end of the calendar month.

**V Testing Requirements**

1. Emission Limitation - 4.9 pounds VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method -

OAC rule 3745-21-10(B). USEPA Method 24 shall be used to determine the VOC contents of the coatings employed. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

2. The VOC content of each cleanup material shall be based upon USEPA Method 24 or formulation data.

**VI Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>

2. **Additional Terms and Conditions**  
None

**II Operational Restrictions**  
None

**III Monitoring and/or Recordkeeping**  
None

**IV Reporting Requirements**  
None

**V Testing Requirements**  
None

**VI Miscellaneous Requirements**  
None