



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

08/28/06

CERTIFIED MAIL

RE: Draft Title V Chapter 3745-77 permit

03-74-01-0117
Honeywell International, Inc.
Geoffrey E Walter
P.O. Box 880
1600 N. Union Street
Fostoria, OH 44830-000

Dear Geoffrey E Walter:

You are hereby notified that the Ohio Environmental Protection Agency has prepared the enclosed draft of the Title V permit for the facility referenced above. The purpose of this draft is to solicit public comments. A public notice concerning the draft will appear in the Ohio EPA Weekly Review and the major newspaper in the county where the facility is located. Comments and/or a request for a public hearing from the public and any affected parties will be accepted by Northwest District Office within 30 days of the date of publication in the newspaper. You will be notified in writing if a public hearing is scheduled. **In order to facilitate our review of all the comments or concerns you may have with the enclosed draft permit, please provide a hand marked-up copy of the draft permit showing the changes you think are necessary, along with any additional summary comments, by the end of the draft public comment period. The hard marked-up copy and any additional summary comments should be submitted to the Ohio EPA District Office or local air agency identified below and to the following address:**

**Andrew Hall
Permit Review/Development Section
Ohio EPA, Division of Air Pollution Control
122 South Front Street
Columbus, Ohio 43215**

A decision on processing the Title V permit will be made after consideration of written public comments and oral testimony (if a public hearing is conducted). After the comment period, you will be provided with a Preliminary Proposed Title V permit and an opportunity to comment prior to the Proposed Title V permit submittal to USEPA.

If you have any questions concerning this draft Title V permit, please contact Northwest District Office.

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

cc: USEPA (electronically submitted)
File, DAPC PIER
Northwest District Office
Michigan



State of Ohio Environmental Protection Agency

DRAFT TITLE V PERMIT

| | | |
|----------------------|---|--|
| Issue Date: 08/28/06 | Effective Date: To be entered upon final issuance | Expiration Date: To be entered upon final issuance |
|----------------------|---|--|

This document constitutes issuance of a Title V permit for Facility ID: 03-74-01-0117 to:
Honeywell International, Inc.
1600 N. Union Street
Fostoria, OH 44830-000

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

| | | |
|--|--|--|
| P054 (NIRO SPRAY DRYER (Dept 3)) Drying of ceramic slurry into a powder for spark plug production | One Test cell used for testing spark plug rating specifications P074 (DYNO CELLS) | Two test cells for spark plug and oxygen sensor quality assurance testing as well as R&D |
| P073 (RATING CELL) | | |

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:

Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419) 352-8461

OHIO ENVIRONMENTAL PROTECTION AGENCY

Joseph P. Koncelik
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, i.e., in Section A.III of Part III of this Title V permit, 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. The permittee shall submit required reports in the following manner:

i. **All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:**

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with General Term and Condition A.1.c.ii below; and each report shall cover the previous calendar quarter (An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c)).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) constitutes a violation of an emission limitation (or control requirement) and, therefore, is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided

in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

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

- ii. **Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Section A.IV of Part III of this Title V permit or, in some cases, in Part II of this Title V permit, all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:**

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this General Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this General Term and Condition.

See B.6 below if no deviations occurred during the quarter.

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

- iii. **All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted in the following manner:**

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; General Terms and Conditions: A.2, A.3, A.4, A.6.e, A.7, A.12, A.14, A.18, A.19, A.20, and A.22 of Part I of this Title V permit, as well as any deviations from the requirements in Section A.V or A.VI of Part III of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office

or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in Part II.A of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with General Term and Condition A.1.c.ii above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

- 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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

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

- v. 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))

2. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance 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). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in General Term and Condition A.1.c.i above.

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

3. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

- a. a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or
- b. as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management 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.
- f. Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable upon final issuance of all applicable OAC Chapter 3745-35 operating permits and/or registrations for all subject emissions units located at the facility and:
 - i. the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a “major source” as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or
 - ii. the permittee no longer meets the definition of a “major source” as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or
 - iii. a combination of i. and ii. above.

The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(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 (i.e., postmarked) 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 emissions 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.
- 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.

(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 or Emissions Levels

Each IEU 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))

21. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent “modification” or “installation” as defined in OAC Chapter 3745-31 and therefore ceases to meet the definition of an “emissions unit” as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-01)

22. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

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 (i) 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, (ii) the probable cause of such deviations, and (iii) 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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 (i.e., postmarked) quarterly, 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.

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 emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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 (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

- a. where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in General Term and Condition A.1.c.ii; or
- b. where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or
- c. where the company's responsible official has certified that an emissions unit has been permanently shut down.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforceable Section

1. Pursuant to 40 CFR Part 64, the permittee has submitted, and the Ohio EPA has approved a compliance assurance monitoring plan for emissions unit P054 at this facility. The permittee shall comply with the provisions of the plan during any operation of the aforementioned emissions unit.

(Authority for term: 40 CFR Part 64)

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

dept. 3 turning (P001) and offline turning (P072).

Each insignificant emissions unit at this facility must comply with all applicable state and federal regulations. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the federally-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21.

B. State Only Enforceable Section

1. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirement (as defined in OAC rule 3745-77-01(H)), or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

ceramic firing kilns (P002); glaze kilns (P003); sealing kilns (P004); department 23 spray dryer (P057); sagger dryer (P060); prototype insulator turning (P062); harrop kiln (P063); denison hot press (P067); glaze spray booths (R001); prototype spray booth (R005); aircraft plug glazer spray booth (R007); tip glaze spray booth (R008); tanks 1, 2, and 3 (G001); boiler 1 (B011); boiler 2 (B012); boiler 3 (B013); boiler 4 (B014); boiler 5 (B015); chassis rolls (Z043); stud painting (Z046); and cold box test (Z049).

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: NIRO SPRAY DRYER (Dept 3) (P054)

Activity Description: Drying of ceramic slurry into a powder for spark plug production

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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> |
|--|---------------------------------------|---|
| 'Niro' spray dryer, for ceramic raw material, equipped with a wet venturi scrubber | OAC rule 3745-17-11(B)(1) | 11.5 pounds particulate emissions (PE)/hr |
| | OAC rule 3745-17-07(A)(1-3) | Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule. |

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

- The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicators for the scrubber controlling this emissions unit are the static pressure drop across the scrubber and the scrubber water flow rate which were established in accordance with the manufacturer's recommendations and verified during site-specific particulate emission testing and scrubber parametric data collected during the emission testing. When the static pressure drop and/or the water flow rate of the scrubber are operating outside the indicator ranges, the permittee shall take corrective actions to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions and comply with the reporting requirements specified in Section A.IV below. The emissions unit and control equipment shall be operated in accordance with the approved CAM Plan, or any approved revision of the Plan.

Scrubber operating parameters shall be re-verified through periodic emission testing or as a result of changes to the operating conditions of the scrubber or emissions unit. In addition to periodic monitoring of their scrubber operating parameters, the permittee also has an inspection and maintenance program for the scrubber. Based on the results of the monitoring and inspection program, repairs to the scrubber shall be made as needed. If the current CAM indicators and/or the scrubber inspection program is considered inadequate, the permittee will develop a Quality Improvement Plan.

[Authority for term: OAC rule 3745-77-07(A)(3)(a), OAC rule 3745-77-07(A)(3)(b), 40 CFR Part 64.3(a), 40 CFR Part 64.6(c), 40 CFR Part 64.7(d), and 40 CFR Part 64.8]

III. Monitoring and/or Record Keeping Requirements (continued)

2. At all times, the permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 64.7(b)]

3. After approval of monitoring under this part, if the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance, the permittee shall promptly notify the permitting authority, and if necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 64.7(e)]

4. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

- a. the static pressure drop across the scrubber, in inches of water, on a once-per-shift basis;
- b. the scrubber water flow rate, in gallons per minute, on a once-per-shift basis; and
- c. the operating times for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

Whenever the monitored values for the pressure drop and scrubber water flow rate deviate from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable ranges specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the pressure drop and scrubber water flow rate immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

III. Monitoring and/or Record Keeping Requirements (continued)

d. The pressure drop across the scrubber shall be continuously maintained at a value of not less than 3.0 inches of water at all times while the emissions unit is in operation, or as established during the most recent performance test that demonstrated the emissions unit was in compliance.

e. The scrubber water flow rate shall be continuously maintained at a value of not less than 16 gallons per minute at all times while the emissions unit is in operation, or as established during the most recent performance test that demonstrated the emissions unit was in compliance.

These ranges are effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the ranges based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to the ranges will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor modification.

[Authority for term: [Authority for term: OAC rule 3745-77-07(C)(1), and 40 CFR 64.7(b) and 40 CFR Part 64.3(a)(2)]

5. In addition to the parametric monitoring required in Section A.III.4 of this permit, the permittee shall conduct visual inspections of the scrubber's spray nozzles every six (6) months. At a minimum, each spray nozzle shall be inspected for the following:
- a. excessive wear, or clogging; and
 - b. appropriate directional output to ensure that the spray is covering the entire gas stream.

Records of these inspections shall be kept in accordance with the General Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 64.7(e)]

6. The permittee shall maintain a supply of replacement nozzles, or any other parts necessary to ensure that the scrubbing system will operate properly. Any worn, or clogged nozzles shall be replaced, or fixed during the inspection.

[Authority for term: OAC rule 3745-77-07(C)(1) and 40 CFR 64.7(e)]

IV. Reporting Requirements

1. The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:
 - a. each period of time when the pressure drop across the scrubber was outside of the acceptable range;
 - b. each period of time when the scrubber water flow rate was outside of the acceptable range;
 - c. an identification of each incident of deviation described in (a) and (b) above where a prompt investigation was not conducted;
 - d. an identification of each incident of deviation described in (a) and (b) where prompt corrective action, that would bring the pressure drop and/or the scrubber water flow rate into compliance with the acceptable range, was determined to be necessary and was not taken;
 - e. an identification of each incident of deviation described in (a) and (b) where proper records were not maintained for the investigation and/or the corrective action.

These quarterly reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

[Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 64.7(d), 40 CFR Part 64.3(a), and 40 CFR Part 64.9(b)]

V. Testing Requirements

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

- 1.a Emission Limitation:
11.5 pounds PE/hour

Applicable Compliance Method:

The permittee shall demonstrate compliance with the above emission limit based upon the results of the emission testing required in Section A.V.2 of this permit.

[Authority for term: OAC rule 3745-17-03(B)(10) and OAC rule 3745-77-07(C)(1)]

- 1.b Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC 3745-17-03(B)(1).

[Authority for term: OAC rule 3745-17-03(B)(10) and OAC rule 3745-77-07(C)(1)]

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months prior to permit expiration.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Methods 1-5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity.

V. Testing Requirements (continued)

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 District Office or local air agency. 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 District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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.

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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-17-03(B)(10) and OAC rule 3745-77-07(C)(1)]

3. During any emission testing for this emissions unit, the permittee shall record the following additional information:
 - a. the static pressure drop accross the scrubber, in inches of water; and
 - d. the scrubber water flow rate, in gallons per minute.

[Authority for term: OAC rule 3745-77-07(C)(1)]

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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> |
|--|---|--|
| 'Niro' spray dryer, for ceramic raw material with a wet venturi scrubber | none | none |

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RATING CELL (P073)

Activity Description: One Test cell used for testing spark plug rating specifications

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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> |
|---|--|--|
| benzene fuel-fired, spark plug rating test cell | OAC rule 3745-31-05(A)(3) (PTI #03-16079, issued 2/22/05) | 34.50 pounds carbon monoxide (CO)/hour 2.70 pounds nitrogen oxides (NOx)/hour 4.16 tons NOx/year 0.78 pound organic compounds (OC)/hour 1.20 ton OC/year 0.10 pound particulate emissions (PE)/mmBtu 0.05 ton PE/year Visible PE from the stack(s) serving this emissions unit shall not exceed 10% opacity, as a six-minute average. |
| | OAC rule 3745-31-05(C) | See A.I.2.a. 53.08 tons CO per rolling, 12-month period (See A.I.2.b.) |
| | OAC rule 3745-17-07(A) | See A.I.2.c. |
| | OAC rule 3745-17-11 (B)(5)(a) | See A.I.2.d. |
| | OAC rule 3745-18-06(G) | See A.I.2.e. |
| | OAC rule 3745-21-07(B) | See A.I.2.f. |
| | OAC rule 3745-21-08(B) | See A.I.2.f. |
| | OAC rule 3745-23-06(B) | See A.I.2.f. |

2. Additional Terms and Conditions

- The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05 (C).

2. Additional Terms and Conditions (continued)

- 2.b** The emissions of CO from this emissions unit shall not exceed 53.08 tons per rolling, 12-month period based on a fuel usage restriction (see section A.II.1).

The 53.08 tons CO per year is a federally enforceable limitation established for purposes of avoiding "Prevention of Significant Deterioration" (PSD) applicability. This emissions unit is an existing operation and, as such, has existing records of CO emissions in lieu of establishing monthly CO emission restrictions for the first year of operation.

- 2.c** The visible PE limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
- 2.d** The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
- 2.e** This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06 (B).
- 2.f** The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively by committing to comply with the best available technology (BAT) and best available control technology (BACT) requirements established pursuant to permit to install 03-16079.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally approved SIP for Ohio.

On February 15, 2005, OAC rule 3745-23-06 was rescinded; therefore, it is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-23-06, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally approved SIP for Ohio.

II. Operational Restrictions

1. The maximum annual gallons of benzene fuel used in this emissions units shall not exceed 8,000 gallons per year, based upon a rolling, 12-month summation of the monthly fuel usage rate. This emissions unit is an existing operation and, as such, has existing records of fuel usage in lieu of establishing monthly fuel usage restrictions for the first year of operation.

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

2. The permittee shall only combust fuels in this emissions unit that are equivalent to, or more clean burning than, benzene fuel as stated in the permit application.

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emission unit:
 - a. the fuel usage, in gallons;
 - b. the rolling, 12- month fuel usage rate, in gallons;
 - c. the calculated, monthly emission rate for CO, in pounds or tons (using the established emission factor of 13.27 pounds CO/gallon of fuel burned, or as derived from the most recent stack test conducted on this emissions unit); and
 - d. the rolling, 12-month CO emission rate, in tons.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. For each day during which the permittee burns a fuel other than the fuel identified in Section A.II.2, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the spark plug rating test cell, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01. If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

[Authority for term: OAC rule 3745-77-07(C)(1)]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports, in accordance with the General Terms and Conditions of this permit, which identify any exceedances of the following:
 - a. the rolling, 12-month fuel usage restriction of 8000 gallons; and
 - b. the rolling, 12-month CO emission limit of 53.08 tons.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than the fuel identified in Section A.II.2 was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements

1. Compliance with the emission limitations specified in Section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

- 1.a** Emission Limitations:
34.50 pounds CO/hour and 53.08 tons CO per rolling, 12-month period

Applicable Compliance Method-

The permittee shall demonstrate compliance with the hourly CO emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4 and 10 of 40 CFR Part 60, Appendix A.

The hourly CO emission limitation represents the potential to emit* for this emissions unit. Therefore, no additional monitoring, record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this emission limitation.

*The potential to emit was determined by multiplying the company-supplied emission factor (from stack testing performed on 11/9/04 and 11/10/04) of 13.27 pounds CO/gallon of fuel burned, or as derived from the most recent stack test on this emissions unit, by the maximum fuel usage rate of 2.6 gallons/hour.

Compliance with the rolling, 12-month CO emission limitation shall be demonstrated in accordance with the record keeping requirements specified in Section A.III.1 of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- 1.b** Emission Limitations:
2.70 pounds NOx/hour and 4.16 tons NOx/year

Applicable Compliance Method-

The permittee shall demonstrate compliance with the hourly NOx emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4 and 7 of 40 CFR Part 60, Appendix A.

The hourly NOx emission limitation represents the potential to emit* for this emissions unit. Therefore, no additional monitoring, record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this emission limitation.

*The potential to emit was determined by multiplying the company-supplied emission factor (from stack testing performed on 11/9/04 and 11/10/04) of 1.04 pounds NOx/gallon of fuel burned, or as derived from the most recent stack test on this emissions unit, by the maximum fuel usage rate of 2.6 gallons/hour.

The annual emission limitation was established by multiplying the company-supplied emission factor of 1.04 pounds NOx/gallon of fuel burned, or as derived from the most recent stack test on this emissions unit, by the rolling, 12-month fuel usage restriction of 8,000 gallons, and then dividing by 2000 pounds/ton. Therefore provided compliance is shown with the rolling, 12-month fuel usage restriction, compliance with the annual limitation shall be assumed.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements (continued)

1.c Emission Limitations:
0.78 pound OC/hour and 1.20 ton OC/year

Applicable Compliance Method-

The permittee shall demonstrate compliance with the hourly OC emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4 and 18, 25, or 25A, as appropriate of 40 CFR Part 60, Appendix A.

The hourly OC emission limitation represents the potential to emit* for this emissions unit. Therefore, no additional monitoring, record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this emission limitation.

*The potential to emit was determined by multiplying the company-supplied emission factor (from stack testing performed on 11/9/04 and 11/10/04) of 0.30 pound OC/gallon of fuel burned, or as derived from the most recent stack test on this emissions unit, by the maximum fuel usage rate of 2.6 gallons/hour.

The annual emission limitation was established by multiplying the company-supplied emission factor of 0.30 pound OC/gallon of fuel burned, or as derived from the most recent stack test on this emissions unit, by the rolling, 12-month fuel usage restriction of 8,000 gallons, and then dividing by 2000 pounds/ton. Therefore provided compliance is shown with the rolling, 12-month fuel usage restriction, compliance with the annual limitation shall be assumed.

[Authority for term: OAC rule 3745-77-07(C)(1)]

1.d Emission Limitations:
0.10 pound PE/mmBtu and 0.05 ton PE/year

Applicable Compliance Method-

The permittee shall demonstrate compliance with the lb/mmBtu PE limitation based on the results of emission testing conducted in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.

The permittee may also demonstrate compliance with the lb/mmBtu PE limitation based on the emission factor of 0.1 lb PE/mmBtu (from AP-42, Chapter 3.3, Table 3.3-1 (revised 10/96) for gasoline fuel).

The annual emission limitation was established by multiplying the emission limitation of 0.10 pound PE/mmBtu by the fuel heat content of 0.13 mmBtu/gallon, and by a maximum annual gallon usage rate of 8,000 gallons, and then dividing by 2000 pounds/ton. Therefore provided compliance is shown with the rolling, 12-month fuel usage restriction, compliance with the annual limitation will be assumed.

[Authority for term: OAC rule 3745-77-07(C)(1)]

1.e Emission Limitation:
The visible PE shall not exceed 10% opacity, as a 6-minute average.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible PE limitation above in accordance with Method 9 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 6 months prior to permit renewal.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for CO, NO_x, OC, and PE.

c. Methods 1-4 of 40 CFR Part 60, Appendix A and the following test method(s) from 40 CFR Part 60, Appendix A shall be employed to demonstrate compliance with the allowable mass emission rate(s):

CO: Methods 1 - 4 and 10;

NO_x: Methods 1 - 4 and 7;

OC: Methods 1 - 4 and 18, 25, or 25A; and

PE: Methods 1- 5.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity.

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 District Office or local air agency. 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 District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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.

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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1)]

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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> |
|--|---|--|
| benzene fuel-fired, spark plug rating test cell | none | none |

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: DYNO CELLS (P074)

Activity Description: Two test cells for spark plug and oxygen sensor quality assurance testing as well as R&D

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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-fired, dynamometer testing cell | OAC rule 3745-31-05(A)(3) (PTI #03-16079, issued 2/22/05) | 136.17 pounds carbon monoxide (CO)/hour |
| | | 4.08 pounds nitrogen oxides (NOx)/hour |
| | | 5.00 tons NOx/year |
| | | 10.71 pounds organic compounds (OC)/hour |
| | | 13.13 tons OC/year |
| | | 0.10 pound particulate emissions (PE)/mmBtu |
| | | 0.88 ton PE/year |
| | | Visible PE from the stack(s) serving this emissions unit shall not exceed 10% opacity, as a six-minute average. |
| | | See A.I.2.a. |
| | | OAC rule 3745-31-05(C) |
| OAC rule 3745-17-07(A) | See A.I.2.c. | |
| OAC rule 3745-17-11(B)(5)(a) | See A.I.2.d. | |
| OAC rule 3745-18-06(G) | See A.I.2.e. | |
| OAC rule 3745-21-07(B) | See A.I.2.f. | |
| OAC rule 3745-21-08(B) | See A.I.2.f. | |
| OAC rule 3745-23-06(B) | See A.I.2.f. | |

2. Additional Terms and Conditions

- The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05 (C).

2. Additional Terms and Conditions (continued)

- 2.b** The emissions of CO from this emissions unit shall not exceed 166.88 tons per rolling, 12-month period based on a fuel usage restriction (see section A.II.1).

The 166.88 tons CO per year is a federally enforceable limitation established for purposes of avoiding "Prevention of Significant Deterioration" (PSD) applicability. This emissions unit is an existing operation and, as such, has existing records of CO emissions in lieu of establishing monthly CO emission restrictions for the first year of operation.

- 2.c** The visible PE limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
- 2.d** The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
- 2.e** This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06 (B).
- 2.f** The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively by committing to comply with the best available technology (BAT) and best available control technology (BACT) requirements established pursuant to permit to install 03-16079.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally approved SIP for Ohio.

On February 15, 2005, OAC rule 3745-23-06 was rescinded; therefore, it is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-23-06, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally approved SIP for Ohio.

II. Operational Restrictions

- 1.** The maximum annual gallons of gasoline used in this emissions units shall not exceed 125,000 gallons per year, based upon a rolling, 12-month summation of the monthly fuel usage rates. This emissions unit is an existing operation and, as such, has existing records of fuel usage in lieu of establishing monthly fuel usage restrictions for the first year of operation.

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

- 2.** The permittee shall combust only gasoline, as defined in OAC rule 3745-21-01, in this emissions unit.

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emission unit:
 - a. the fuel usage, in gallons;
 - b. the rolling, 12- month fuel usage rate, in gallons;
 - c. the calculated, monthly emission rate for CO, in pounds or tons (using the established emission factor of 2.67 pounds CO/gallon of fuel burned, or as derived from the most recent stack test conducted on this emissions unit); and
 - d. the rolling, 12-month CO emission rate, in tons.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. For each day during which the permittee burns a fuel other than gasoline, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the dynamometer testing cell, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01. If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

[Authority for term: OAC rule 3745-77-07(C)(1)]

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports, in accordance with the General Terms and Conditions of this permit, which identify any exceedances of the following:
 - a. the rolling, 12-month fuel usage limitation; and
 - b. the rolling, 12-month CO emission limit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than gasoline was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements

1. Compliance with the emission limitations specified in Section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

- 1.a** Emission Limitations:
136.17 pounds CO/hour and 166.88 tons CO per rolling, 12-month period

Applicable Compliance Method-

The permittee shall demonstrate compliance with the hourly CO emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4 and 10 of 40 CFR Part 60, Appendix A.

The hourly CO emission limitation represents the potential to emit* for this emissions unit. Therefore, no additional monitoring, record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this emission limitation.

*The potential to emit was determined by multiplying the company-supplied emission factor (from stack testing performed on 11/9/04 and 11/10/04) of 2.67 pounds CO/gallon of fuel burned, or as derived from the most recent stack test on this emissions unit, by the maximum fuel usage rate of 51.0 gallons/hour.

Compliance with the rolling, 12-month CO emission limitation shall be demonstrated in accordance with the record keeping requirements specified in Section A.III.1 of this permit.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- 1.b** Emission Limitations:
4.08 pounds NOx/hour and 5.00 tons NOx/year

Applicable Compliance Method-

The permittee shall demonstrate compliance with the hourly NOx emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4 and 7 of 40 CFR Part 60, Appendix A.

The hourly NOx emission limitation represents the potential to emit* for this emissions unit. Therefore, no additional monitoring, record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this emission limitation.

*The potential to emit was determined by multiplying the company-supplied emission factor (from stack testing performed on 11/9/04 and 11/10/04) of 0.08 pound NOx/gallon of fuel burned, or as derived from the most recent stack test on this emissions unit, by the maximum fuel usage rate of 51.0 gallons/hour.

The annual emission limitation was established by multiplying the company-supplied emission factor of 1.04 pounds NOx/gallon of fuel burned, or as derived from the most recent stack test on this emissions unit, by the rolling, 12-month fuel usage restriction of 125,000 gallons, and then dividing by 2000 pounds/ton. Therefore provided compliance is shown with the rolling, 12-month fuel usage restriction, compliance with the annual limitation shall be assumed.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements (continued)

- 1.c** Emission Limitations:
10.71 pounds OC/hour and 13.13 tons OC/year

Applicable Compliance Method-

The permittee shall demonstrate compliance with the hourly OC emission limitation based on the results of emission testing conducted in accordance with Methods 1 - 4 and 18, 25, or 25A, as appropriate of 40 CFR Part 60, Appendix A.

The hourly OC emission limitation represents the potential to emit* for this emissions unit. Therefore, no additional monitoring, record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this emission limitation.

*The potential to emit was determined by multiplying the company-supplied emission factor (from stack testing performed on 11/9/04 and 11/10/04) of 0.21 pound OC/gallon of fuel burned, or as derived from the most recent stack test on this emissions unit, by the maximum fuel usage rate of 51.0 gallons/hour.

The annual emission limitation was established by multiplying the company-supplied emission factor of 0.21 pound OC/gallon of fuel burned, or as derived from the most recent stack test on this emissions unit, by the rolling, 12-month fuel usage restriction of 125,000 gallons, and then dividing by 2000 pounds/ton. Therefore provided compliance is shown with the rolling, 12-month fuel usage restriction, compliance with the annual limitation shall be assumed.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- 1.d** Emission Limitations:
0.10 pound PE/mmBtu and 0.88 ton PE/year

Applicable Compliance Method-

The permittee shall demonstrate compliance with the lb/mmBtu PE limitation based on the results of emission testing conducted in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.

The permittee may also demonstrate compliance with the lb/mmBtu PE limitation based on the emission factor of 0.1 lb PE/mmBtu (from AP-42, Chapter 3.3, Table 3.3-1 (revised 10/96) for gasoline fuel).

The annual emission limitation was established by multiplying the emission limitation of 0.10 pound PE/mmBtu by the fuel heat content of 0.14 mmBtu/gallon, and by a maximum annual gallon usage rate of 125,000 gallons, and then dividing by 2000 pounds/ton. Therefore provided compliance is shown with the rolling, 12-month fuel usage restriction, compliance with the annual limitation will be assumed.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- 1.e** Emission Limitation:
The visible PE shall not exceed 10% opacity, as a 6-minute average.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible PE limitation above in accordance with Method 9 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC rule 3745-77-07(C)(1)]

V. Testing Requirements (continued)

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 6 months prior to permit renewal.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for CO, NO_x, OC, and PE.

c. Methods 1-4 of 40 CFR Part 60, Appendix A and the following test method(s) from 40 CFR Part 60, Appendix A shall be employed to demonstrate compliance with the allowable mass emission rate(s):

CO: Methods 1 - 4 and 10;

NO_x: Methods 1 - 4 and 7;

OC: Methods 1 - 4 and 18, 25, or 25A; and

PE: Methods 1- 5.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity.

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 District Office or local air agency. 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 District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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.

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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1)]

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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-fired, dynamometer testing cell | none | none |

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

THIS IS THE LAST PAGE OF THE PERMIT

Statement of Basis For Title V Permit

Part I - General

| | |
|--|-------------------------------|
| Company Name | Honeywell International, Inc. |
| Premise Number | 0374010117 |
| What makes this facility a Title V facility? | CO |
| Has each insignificant emissions unit been reviewed to confirm it meets the definition in OAC rule 3745-77-01 (U)? | YES |
| Were there any "common control" issues associated with this facility? If yes, provide a summary of those issues and explain how the DAPC decided to resolve them. | NO |
| Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a minor permit modification per OAC rule 3745-77-08(C)(1) | N/A |
| Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a significant permit modification per OAC rule 3745-77-08(C)(3) | N/A |
| Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a reopening per OAC rule 3745-77-08(D) | N/A |
| Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document resulting from a renewal per OAC rule 3745-77-08(E) | N/A |

| Part II (State and Federally Enforceable Requirements) | | | |
|--|-----------------|-------|---|
| Term and Condition (paragraph) | Basis | | <u>Comments</u> |
| | SIP (3745-) | Other | |
| A.I.1 | N | Y | approval of CAM plan for P054 per 40 CFR Part 64 |
| A.I.1 - P001 | 77-07 | N | listing of insignificant emissions units that are not "de minimis". |
| A.I.1 - P072 | 77-07 | N | listing of insignificant emissions units that are not "de minimis". |

C

Instructions for Part II:

Each paragraph in Part II must be identified and the remainder of the table completed. If the SIP (not including 31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an "N" in the column under "SIP." If the basis for the term and condition is something other than the SIP, including 3745-31-05, NSPS or MACT, a "Y" should be noted in the "Other" column, and if not, an "N" should be noted. Whether the basis for the term and condition is the "SIP" or "Other," an explanation of each term and condition in Part II must be provided in the "Comments" section.

| Part III (Requirements Within the State and Federally Enforceable Section) | | | | | | | | | | | | | | | |
|--|------------------|-----------------|--------------|----|----|---|----|-----|---|----|----|----|----|------|--|
| Any unusual requirements or aspects of the terms and conditions in Part III that are not self-explanatory should be explained in the appropriate comment field or in a paragraph following the table for Part III. | | | | | | | | | | | | | | | |
| EU(s) | Limitation | Basis | | ND | OR | M | St | ENF | R | St | Rp | St | ET | Misc | <u>Comments</u> |
| | | SIP (3745-) | Other | | | | | | | | | | | | |
| P073 | 34.50 lbs CO/hr | | 31-05 (A)(3) | N | Y | Y | N | N | Y | N | Y | N | Y | N | OR - The permittee shall only combust fuels that are equivalent to, or more clean burning than, benzene fuel, as stated in the permit application. |
| | 2.70 lbs NOx/hr | | | N | Y | Y | N | N | Y | N | Y | N | Y | N | OR - The permittee is limited to 8,000 gals/rolling, 12-months of benzene fuel. |
| | 0.78 lbs OC/hr | | | N | Y | Y | N | N | Y | N | Y | N | Y | N | Appropriate M, R, and Rp requirements have been established to monitor the OR. |
| | 0.10 lb PE/mmBtu | | | N | Y | Y | N | N | Y | N | Y | N | Y | N | M/R - Permittee is required to record and maintain records of monthly fuel usage and maintain records of any day an alternative fuel was used. |

| | | | | | | | | | | | | | | | |
|--------------|--|--|-----------------|---|---|---|---|---|---|---|---|---|----|---|---|
| P074 | 136.17 lbs CO/hr 4.08 lbs NOx/hr 10.71 lbs OC/hr 0.10 lb PE/mmBtu | | 31-05 (A)(3) | N | Y | Y | N | N | Y | N | Y | N | Y | N | OR - The permittee shall only combust gasoline. OR - The permittee is limited to 125,000 gals/rolling, 12-months of gasoline. Appropriate M, R, and Rp requirements have been established to monitor the OR. M/R - Permittee is required to record and maintain records of monthly fuel usage and maintain records of any day an alternative fuel was used. |
| P073 P074 | 10% opacity, as a 6-minute average | | 31-05 (A)(3) | N | Y | Y | N | N | Y | N | Y | N | N | N | OR - The permittee shall combust only gasoline (P074) or fuels that are equivalent to, or more clean burning than, benzene fuel (P073). The fuels being burned in the emissions units traditionally do not cause opacity, therefore, monthly monitoring includes type of fuels used and fuel usage. ET - The M/R & Rp requirements are sufficient to demonstrate compliance without requiring formal Method 9 readings. However, if required, VE testing shall be conducted in accordance with Method 9 from 40 CFR Part 60 Appendix A. COMs are not economically justified. |
| P073 | 4.16 tons NOx/yr 1.20 tons OC/yr 0.05 ton PE/yr | | 31-05 (A)(3) | N | Y | Y | N | N | Y | N | Y | N | NA | N | OR - The permittee shall only combust fuels that are equivalent to, or more clean burning than, benzene fuel, as stated in the permit application. OR - The permittee is limited to 8,000 gals/rolling, 12-months of benzene fuel. ET - Annual emissions were based on the fuel usage restriction, therefore provided compliance with the restriction is demonstrated, compliance with the annual emission limit will be assumed. Appropriate M, R, and Rp requirements have been established to monitor the OR. |

| | | | | | | | | | | | | | | | |
|------------------|--|--|-----------------|---|---|---|---|---|---|---|---|---|----|---|--|
| P074 | 5.00 tons NOx/yr 13.13 tons OC/yr 0.88 ton PE/yr | | 31-05 (A)(3) | N | Y | Y | N | N | Y | N | Y | N | NA | N | <p>OR - The permittee shall only combust gasoline.</p> <p>OR - The permittee is limited to 125,000 gals/rolling, 12-months of gasoline.</p> <p>ET - Annual emissions were based on the fuel usage restriction, therefore provided compliance with the restriction is demonstrated, compliance with the annual emission limit will be assumed.</p> <p>Appropriate M, R, and Rp requirements have been established to monitor the OR.</p> |
| P073 P074 | 53.08 tons CO/rolling, 12-months 166.88 tons CO/rolling, 12-months | | 31-05 (C) | N | Y | Y | N | N | Y | N | Y | N | NA | N | <p>OR - The permittee shall only combust fuels that are equivalent to, or more clean burning than, benzene fuel (P073) or gasoline (P074). The fuels used in the emissions units traditionally do not cause opacity, therefore, monthly monitoring includes type of fuels used and fuel usage.</p> <p>OR - The permittee is limited to 8,000 gals/rolling, 12-months of benzene fuel (P073) and 125,000 gals/rolling 12-months of gasoline (P074).</p> <p>ET - Annual emissions were based on the fuel usage restriction, therefore rolling, monthly records of fuel usage and CO emissions are sufficient to provide compliance with the CO limits.</p> <p>Appropriate M, R, and Rp requirements have been established to monitor the OR.</p> |

| | | | | | | | | | | | | | | | |
|------|-----------------------------------|-----------|--|---|---|---|---|---|---|---|---|---|---|---|--|
| P054 | 11.5 lbs PE/hr | 17-11 (B) | 40 CFR Parts 64.3(a), 64.6(c), 64.7(d), 64.8 | N | Y | Y | N | N | Y | N | Y | N | Y | N | <p>OR - The permittee shall use a scrubber to control emissions with the following operational parameters: (1) pressure drop shall be maintained at a value not less than 3.0 inches water and (2) the water flow rate shall be maintained at less than 16 gals/min.</p> <p>OR - The permittee has submitted an approved CAM plan that identified the parameters above as performance indicators. In addition, the permittee proposed an inspection and maintenance program for the scrubber and additional operating guidelines.</p> <p>Appropriate M, R, and Rp requirements have been established, including the installation of equipment to continuously monitor the pressure drop and scrubber water flow rate, scrubber inspection frequencies, and the maintenance of replacement parts, to monitor the OR.</p> |
| P054 | 20% opacity as a 6-minute average | 17-07 (A) | 40 CFR Parts 64.3(a), 64.6(c), 64.7(d), 64.8 | N | Y | Y | N | N | Y | N | Y | N | N | N | <p>OR - The permittee shall use a scrubber to control emissions with the following operational parameters: (1) pressure drop shall be maintained at a value not less than 3.0 inches water and (2) the water flow rate shall be maintained at less than 16 gals/min.</p> <p>OR - The permittee has submitted an approved CAM plan that identified the parameters above as performance indicators. In addition, the permittee proposed an inspection and maintenance program for the scrubber and additional operating guidelines.</p> <p>Appropriate M, R, and Rp requirements have been established, including the installation of equipment to continuously monitor the pressure drop and scrubber water flow rate, scrubber inspection frequencies, and the maintenance of replacement parts, to monitor the OR.</p> <p>ET - The M/R & Rp requirements in the permit and the additional maintenance and operating guidelines proposed in the permittee's CAM plan, are sufficient to demonstrate proper scrubber maintenance and opacity compliance without requiring formal Method 9 readings. However, if required, VE testing shall be conducted in accordance with OAC rule 3745-17-03 (B)(1). COMs are not economically justified.</p> |

| | | | | | | | | | | | | | | | |
|--------------|------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P073 P074 | None | 17-07 (A) 17-11 (B) | N | Y | N | N | N | N | N | N | N | N | N | N | The emission limitation established pursuant to OAC rule 3745-31-05 (A)(3) is more stringent. |
| P073 P074 | None | 18-06 (G) | N | Y | N | N | N | N | N | N | N | N | N | N | This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06 (B). |
| P073 P074 | None | 21-07 (B) 21-08 (B) 23-06 (B) | N | Y | N | N | N | N | N | N | N | N | N | N | <p>The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) and OAC rule 3745-21-07(B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install.</p> <p>On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.</p> |

EU = emissions unit ID

ND = negative declaration (i.e., term that indicates that a particular rule(s) is (are) not applicable to a specific emissions unit)

OR = operational restriction

M = monitoring requirements

St = streamlining term used to replace a PTI monitoring, record keeping, or reporting requirement with an equivalent or more stringent requirement

ENF = did noncompliance issues drive the monitoring requirements?

R = record keeping requirements

Rp = reporting requirements

ET = emission testing requirements (not including compliance method terms)

Misc = miscellaneous requirements

C Instructions for Part III:

- C All non-insignificant EUs must be included in this table. For each EU, or group of similar EUs, each emission limitation and control requirement specified in section A.I.1 and A.I.2 of the permit must be identified and the remainder of the table completed.
- C If the SIP (not including OAC rule 3745-31-05) is the basis for the term and condition, identify the specific rule. If the SIP is not the basis for the term and condition, place an "N" in the column under "SIP." If the basis for the term and condition is something other than the SIP, including OAC rule 3745-31-05, NSPS or MACT, a "Y" should be noted in the "Other" column, and if not, an "N" should be noted. If the basis for the term and condition is "Other," an explanation of the basis must be provided in the "Comments" section. If OAC rule 3745-31-05 is cited in the "Other" column, please indicate in the "Comments" section whether or not all of the requirements have been transferred from the permit to install.
- To complete the remainder of the table after "Basis," except for the "Comments" section, simply specify a "Y" for yes or an "N" for no. For the "M," "R," "Rp," and "ET" columns, if "N" is specified, there should be a brief explanation in the "Comments" section as to why there are no requirements. If a brief explanation is provided in the "Comments" section, please do not simply indicate that monitoring or testing requirements are not necessary. An explanation of why a requirement is not necessary should be specified.

When periodic monitoring requirements are established to satisfy the provisions of OAC rule 3745-77-07(A)(3)(a)(ii), the basis for the requirements must be explained. Whenever Engineering Guides have been used to establish the periodic monitoring requirements, the applicable Engineering Guide may be referenced in the "Comments" section. An example that should be clarified would be the situation where it has been determined that control equipment parametric monitoring will be used to evaluate ongoing compliance in lieu of performing frequent emission tests. In this situation, Engineering Guide #65 would be referenced along with the fact that the parametric monitoring range (or minimum value) corresponded to the range (or minimum value) documented during the most recent emission tests that demonstrated that the emissions unit was in compliance. If streamlining language is included in the "Monitoring," "Record Keeping," or "Reporting" requirements sections of the permit, explain which requirements are being streamlined (mark appropriate column above) and provide a brief explanation of why the streamlined term is equal to or more stringent than the "Monitoring," "Record Keeping," or "Reporting" requirements specified in the permit to install. If Engineering Guide #16 was used as the basis for establishing an emission test frequency, a simple note referencing the Engineering Guide in the "Comments" section would be sufficient.

Also, if a "Y" is noted under "OR," "Misc," "St," "ND," or "ENF" an explanation of the requirements must be provided in the "Comments" section. In addition to a general explanation of the "OR," "Misc," "St," "ND," and/or "ENF" the following must be provided:

1. For an operational restriction, clarify if appropriate monitoring, record keeping, and reporting requirements have been specified for the operational restriction and indicate whether or not CAM is currently applicable.
2. If a control plan and schedule is included in the "Miscellaneous Requirements" section of the permit, provide an explanation in the "Comments" section of the violation, basis for the violation, and the company's proposed control plan and schedule.
3. If the "ND" column above is marked, please identify the particular rule(s) that is (are) not applicable to the specified emissions unit.
2. If the "ENF" column above is marked, please provide a brief explanation of the noncompliance issue(s) which prompted the use of the specified monitoring requirement.

An explanation is not required if an "N" is noted in the "OR," "Misc," "St," "ND," or "ENF" columns.

- **Additional information for modifications** - Several types of modifications, as defined by rule, may be processed concurrently. Please provide enough of a description for someone wishing to review the changes to the permit language to be able to identify where the change is made in the permit document. This brief description should be identified in the appropriate row in the first table of this form by replacing the "N/A" in the applicable row(s). Please also indicate if the modification is being initiated by an appeal by including the ERAC case number in the "Comments" area. Please update the term-specific text in the SOB as warranted (full insertion or replacement is acceptable; bold italic and strike out is not needed). Note all modification/reopening rows should remain "N/A" when developing the SOB during the initial permit development. Note: APA's and Off-permit changes do not need to be noted in the SOB.