



State of Ohio Environmental Protection Agency

Mailing Address:
Lazarus Gov.
Center

**RE: DRAFT PERMIT TO INSTALL MODIFICATION
CUYAHOGA COUNTY**

CERTIFIED MAIL

Application No: 13-04350

Fac ID: 1318558216

DATE: 5/17/2007

Momentive Performance Materials Quartz
Carlie Thompson
22557 West Lunn Road
Cleveland, OH 44101-4924

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install modification for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit modification. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit modification should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install modification may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install modification a fee of **\$ 100** will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Permit Issuance and Data Management Section at (614) 644-3631.

Sincerely,

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

CC: USEPA

CLAA

PA

CUYAHOGA COUNTY

PUBLIC NOTICE

**ISSUANCE OF DRAFT PERMIT TO INSTALL 13-04350 FOR AN AIR CONTAMINANT SOURCE
FOR **Momentive Performance Materials Quartz****

On 5/17/2007 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Momentive Performance Materials Quartz**, located at **22557 West Lunn Road, Strongsville**, Ohio.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 13-04350:

Administrative modification of P018 an 18 inch calciner with indirect fired natural gas burners.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

David Hearne, Cleveland City Health Department, Division of the Environment, 1925 St. Clair Avenue, Cleveland, OH 44114 [(216)664-2324]



**Permit To Install
Terms and Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT MODIFICATION OF PERMIT TO INSTALL 13-04350

Application Number: 13-04350
Facility ID: 1318558216
Permit Fee: **To be entered upon final issuance**
Name of Facility: Momentive Performance Materials Quartz
Person to Contact: Carlie Thompson
Address: 22557 West Lunn Road
Cleveland, OH 44101-4924

Location of proposed air contaminant source(s) [emissions unit(s)]:
**22557 West Lunn Road
Strongsville, Ohio**

Description of proposed emissions unit(s):
Administrative modification of P018 an 18 inch calciner with indirect fired natural gas burners.

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

Momentive Performance Materials Quartz**PTI Application: 13-04350****Issued: To be entered upon final issuance****Part I - GENERAL TERMS AND CONDITIONS****A. Permit to Install General Terms and Conditions****1. Compliance Requirements**

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (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.)

3. 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.

4. 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

Momentive Performance Materials Quartz

Facility ID: 1318558216

PTI Application: 13-04350

Issued: To be entered upon final issuance

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.

5. 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).

6. 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.

7. 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.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the

Momentive Performance Materials Quartz

Facility ID: 1318558216

PTI Application: 13-04350**Issued: To be entered upon final issuance**

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

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

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

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

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

13. Source Operation and Operating Permit Requirements After Completion of

Momentive Performance Materials Quartz
PTI Application: 13-04350
Issued: To be entered upon final issuance
Construction

Facility ID: 1318558216

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this

Momentive Performance Materials Quartz

Facility ID: 1318558216

PTI Application 10-01050

Issu

Emissions Unit ID: **P018**

permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. 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. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	5.65
NOx	9.64

Momentive Performance Materials Quartz
PTI
Issu

Facility ID: 1318558216

Emissions Unit ID: **P018**

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P018 - 18 inch Natural Gas Fired Calciner, equipped with a venturi scrubber and baghouse	OAC rule 3745-31-05(A)(3)	5.65 TPY particulate emissions 2.2 lbs/hr NOx emissions and 9.64 TPY The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B). See B.1. and B.2.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack associated with this emissions unit shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)	1.29 lbs/hr particulate emissions

2. Additional Terms and Conditions

- 2.a None

B. Operational Restrictions

**Mor
PTI**

Emissions Unit ID: **P018**

Issued: To be entered upon final issuance

1. The permittee shall operate the baghouse for control of particulate emissions while the emission unit is in operation.
2. The permittee shall operate the venturi wet scrubber for control of particulate and ammonia emissions while the emissions unit is in operation.
3. The emissions unit is equipped with an alert system to indicate if the control equipment is not operating while the emissions unit is in operation. Once an alarm sounds, the emissions unit shall be shut down until the control equipment is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.
2. The permittee shall properly install, operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the recirculation scrubber water flow rate while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, with any modifications deemed necessary by the permittee.
3. The permittee shall collect and record the following information each day:
 - a. the pressure drop across the scrubber, in inches of water, on a daily basis;
 - b. the recirculation scrubber water flow rate, in gallons per minute, on a daily basis; and
 - c. the pressure drop across the baghouse on a daily basis.
4. The permittee shall maintain records for any day during which the scrubber and/or baghouse was not in service when the emissions unit was in operation and the corrective actions that were taken to resume operation of the control device.

Emissions Unit ID: **P018**

5. The permit to install for this emissions unit P018 was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install applications. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for "worst case" pollutant(s):

Pollutant: Ammonia

TLV (mg/m³): 17.41

Maximum Hourly Emission Rate (lbs/hr): 0.7

Predicted 1-Hour Maximum Ground-Level

Concentration (ug/m³): 173.7

MAGLC (ug/m³): 414.5

Pollutant: Boron Oxide

TLV (mg/m³): 10.0

Maximum Hourly Emission Rate (lbs/hr): 0.53

Predicted 1-Hour Maximum Ground-Level

Concentration (ug/m³): 131.2

MAGLC (ug/m³): 238.1

6. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:
 - a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

**Mor
PTI**

Emissions Unit ID: **P018**

Issued: To be entered upon final issuance

- b. changes in composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and,
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

- 7. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"
 - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxics Policy;" and,
 - c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

- 1. The permittee shall notify the Cleveland Division of Air Quality (Cleveland DAQ) in writing of any record showing that the scrubber and/or baghouse was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Cleveland DAQ within 30 days after the event occurs.

E. Testing Requirements

Momentive Performance Materials Quartz**PTI Application 10-01050****Issu****Facility ID: 1318558216****Emissions Unit ID: P018**

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

- a. Emission Limitation -
20% opacity, as a 6-minute average

Applicable Compliance Method(s) -

If required by Ohio EPA or Cleveland DAQ, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using methods and procedures specified in USEPA Reference Method 9.

- b. Emission Limitation -
1.29 lbs/hr particulate emissions

Applicable Compliance Method(s) -

The emissions unit is controlled by the East Venturi Scrubber and the Slipstick Baghouse. If the total emission test results from all emissions units operating during the emission test controlled by the East Venturi Scrubber and/or Slipstick Baghouse are less than the total allowable emission limitation from all East CPS Primary Area emissions units controlled by the East Venturi Scrubber and/or Slipstick Baghouse, the emissions unit shall be deemed in compliance with the pound per hour limitation, provided that all emissions units operating during the emission test controlled by the East Venturi Scrubber and/or Slipstick Baghouse are operating at or near their maximum capacities. Any emissions units that are

**Mor
PTI**

Emissions Unit ID: **P018**

Issued: To be entered upon final issuance

not considered part of the East CPS Primary production area connected to the Slipstick Baghouse shall not be operating during the emissions testing. The East CPS Primary Production Area shall be defined as consisting of emissions units P001, P004, P006, P007, and P018.

If required by Ohio EPA or Cleveland DAQ, compliance shall be demonstrated by performing a stack test using U.S. EPA Methods 1 through 5.

- c. Emission Limitation -
5.65 TPY of particulate emissions

Applicable Compliance Method(s) -

The annual emission limitation was established by multiplying the hourly emission rate by 8,760 hours of operation per year and dividing by 2,000 pounds per ton. Therefore, compliance with the annual emission limitation shall be assumed provided compliance is maintained with the pounds per hour limitation.

- d. Emission Limitation-
2.2 lbs/hour NOx emissions

Applicable Compliance Method(s) -

The hourly emission limitation was established by using results of an engineering stack test conducted by GE Quartz, Inc. on October 4, 2006.

If required by Ohio EPA or Cleveland DAQ, compliance shall be demonstrated by performing a stack test using U.S. EPA Methods 1-4 and 7E.

- e. Emission Limitation -
9.64 TPY NOx emissions

Applicable Compliance Method(s) -

The annual emission limitation was established by multiplying the hourly emission rate by 8,760 hours of operation per year and dividing by 2,000 pounds per ton. Therefore, compliance with the annual emission limitation shall be assumed provided compliance is maintained with the pounds per hour limitation.

2. The permittee shall conduct, or have conducted, emission testing for this emissions

**Mor
PTI**

Emissions Unit ID: **P018**

Issued: To be entered upon final issuance

unit in accordance with the following requirements:

The emissions testing shall be conducted within 12 months after the emissions unit's date of construction completion. The required stack testing was performed on 8/24/06 and is not needed as a result of this permit modification.

Emissions units P001, P004, P006, P007, and P018 (East CPS Primary Production Area) are consecutive process operations venting to two common control devices. These common control devices include the East Venturi Scrubber and Slipstick Baghouse. Since the individual particulate emissions from P018 cannot be determined due to multiple emission sources sharing common control devices, the individual allowable emissions limitation from each emissions unit (P001, P004, P006, P007, and P018) operating during the emissions test shall be summed and compared with the test(s) results for the emissions units controlled by the East Venturi Scrubber and/or Slipstick Baghouse in order to determine compliance with the pound per hour limitation for P018, provided that all emissions units operating during the emission test controlled by the East Venturi Scrubber and/or Slipstick Baghouse are operating at or near their maximum capacities. Any emissions units that are not considered part of the East CPS Primary production area connected to the Slipstick Baghouse shall not be operating during the emissions testing. The East CPS Primary Production Area shall be defined as consisting of emissions units P001, P004, P006, P007, and P018.

Alternatively, the permittee may test the uncontrolled ammonia emission rate for this emissions unit prior to the inlet of the control device at the duct that is dedicated solely to this emissions unit in order to determine compliance.

The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for particulate emissions and to determine the amount of ammonia emissions.

Method 5 of 40 CFR Part 60, Appendix A shall be employed to demonstrate compliance with the mass emission rate for particulates. U.S. EPA Conditional Test Method 027 shall be employed to determine the amount of ammonia emissions. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA or Cleveland DAQ.

The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Cleveland DAQ.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an

Momentive Performance Materials Quartz**Facility ID: 1318558216****PTI Application 10-01050****Issu****Emissions Unit ID: P018**

"Intent to Test" notification to the Cleveland DAQ. 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 Cleveland DAQ's refusal to accept the results of the emission test(s).

Personnel from the Cleveland DAQ 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 units and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

Mor**PTI**Emissions Unit ID: **P018****Issued: To be entered upon final issuance**

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 Cleveland DAQ 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 Cleveland DAQ.

F. Miscellaneous Requirements

Modified: The terms and conditions in this permit supercede the terms and conditions contained in PTI 13-04350 issued on August 24, 2004 and modified on May 18, 2006.