John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

5/1/2014

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
Yes	CEMS
Yes	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	MAJOR GHG
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Paul Logsdon
Lima Refining Company
1150 South Metcalf Street
Lima, OH 45804

RE: DRAFT AIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0302020012
Permit Number: P0116563
Permit Type: Administrative Modification
County: Allen

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of the enclosed draft permit. 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 permit. A public notice will appear in the Ohio Environmental Protection Agency (EPA) Weekly Review and the local newspaper, The Lima News. A copy of the public notice and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, Ohio 43216-1049

and

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on issuing a final permit-to-install will be made after consideration of comments received and oral testimony if a public hearing is conducted. Any permit fee that will be due upon issuance of a final Permit-to-Install is indicated in the Authorization section. Please do not submit any payment now. If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA Region 5 -*Via E-Mail Notification*
Ohio EPA-NWDO; Indiana

Allen County

PUBLIC NOTICE
Issuance of Draft Air Pollution Permit-To-Install
Lima Refining Company

Issue Date:	5/1/2014
Permit Number:	P0116563
Permit Type:	Administrative Modification
Permit Description:	Administrative modification to establish revised nitrogen oxides and particulate emissions limitations per Federal Consent Decree, Civil Action No. SA07CA0683RF, paragraphs 60, 95, 98, 292 dated November 20, 2007; and Stock Purchase Agreenment Addendum between The Premcor Refining Group, Inc. and Lima Refining Company dated May 2, 2007.
Facility ID:	0302020012
Facility Location:	Lima Refining Company 1150 South Metcalf Street, Lima, OH 45804
Facility Description:	Petroleum Refineries

The Director of the Ohio Environmental Protection Agency issued the draft permit above. The permit and complete instructions for requesting information or submitting comments may be obtained at: http://epa.ohio.gov/dapc/permitsonline.aspx by entering the permit # or: Andrea Moore, Ohio EPA DAPC, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402. Ph: (419)352-8461

Permit Strategy Write-Up

1. Check all that apply:

   Synthetic Minor Determination

   Netting Determination

2. Source Description:

   Lima Refining Company (LRC) is required to further voluntarily limit nitrogen oxides (NOx) and particulate emissions (PE) from the fluid catalytic cracker (emissions unit P010) pursuant to paragraphs 60, 95, 98, and 292 of the Federal Consent Decree, Civil Action No. SA07CA0683 RF, dated November 20, 2007 and the Stock Purchase Agreement Addendum to the Consent Decree between the Premcor Refining Group, Inc. and LRC dated May 2, 2007 to:

   - 70 parts per million by volume (dry basis) of NOx at 0% excess air as a 365-day rolling block average;
   - 140 parts per million by volume (dry basis) of NOx at 0% excess air as a 7-day rolling block average; and
   - 1 lb of PE per 1,000 lbs of coke burned, as a 1-hour block average.

   The purpose of this administrative modification is to establish the voluntary lowered NOx and PE federally enforceable emissions limitations per the Consent Decree. All other existing emissions limitations in the previously issued PTI #P0107734 for this emissions unit will remain the same.

3. Facility Emissions and Attainment Status:

   LRC is a major stationary source for SO2, NOx, CO, PE/PM10 and VOC. Allen County is in attainment or attainment/unclassified status for all of the above pollutants, including compliance with the current ozone NAAQS.

4. Source Emissions:

   There is no net increase in NOx or PE emissions for emissions unit P010 included in this permit as a result of the establishment of the voluntary NOx and PE emissions limitations. In fact, NOx and PE will be restricted further than the limits that had previously been established in PTI No. P0107734. In addition, there are no emissions increases for any other pollutants as a result of this permitting action.

5. Conclusion:

   The proposed modification does not result in any increase in allowable emissions of any pollutant and does not involve a “net emissions” increase triggering a major modification under PSD regulations, and as such the permit action can be processed as an administrative action.

6. Please provide additional notes or comments as necessary:

   None

7. Total Permit Allowable Emissions Summary (for informational purposes only):

Pollutant	Tons Per Year
NOx	Not applicable*
PE	Not applicable**

* The NOx emissions are not established in tons per year, but instead, in parts per million.

**The PE is not established in tons per year, but instead, in lb/1,000 lbs of coke burned

DRAFT

Division of Air Pollution Control
Permit-to-Install
for
Lima Refining Company

Facility ID:	0302020012
Permit Number:	P0116563
Permit Type:	Administrative Modification
Issued:	5/1/2014
Effective:	To be entered upon final issuance

Division of Air Pollution Control
Permit-to-Install
for
Lima Refining Company

Table of Contents

Authorization 1
A. Standard Terms and Conditions 3
1. Federally Enforceable Standard Terms and Conditions 4
2. Severability Clause 4
3. General Requirements 4
4. Monitoring and Related Record Keeping and Reporting Requirements 5
5. Scheduled Maintenance/Malfunction Reporting 6
6. Compliance Requirements 6
7. Best Available Technology 7
8. Air Pollution Nuisance 8
9. Reporting Requirements 8
10. Applicability 8
11. Construction of New Sources(s) and Authorization to Install 8
12. Permit-To-Operate Application 9
13. Construction Compliance Certification 10
14. Public Disclosure 10
15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations 10
16. Fees 10
17. Permit Transfers 10
18. Risk Management Plans 10
19. Title IV Provisions 10
B. Facility-Wide Terms and Conditions 11
C. Emissions Unit Terms and Conditions 13
1. P010, Process 14

Authorization

Facility ID:	0302020012
Facility Description:	Petroleum Refinery and Storage
Application Number(s):	M0002684
Permit Number:	P0116563
Permit Description:	Administrative modification to establish revised nitrogen oxides and particulate emissions limitations per Federal Consent Decree, Civil Action No. SA07CA0683RF, paragraphs 60, 95, 98, 292 dated November 20, 2007; and Stock Purchase Agreenment Addendum between The Premcor Refining Group, Inc. and Lima Refining Company dated May 2, 2007.
Permit Type:	Administrative Modification
Permit Fee:	$625.00 *DO NOT send payment at this time, subject to change before final issuance*
Issue Date:	5/1/2014
Effective Date:	To be entered upon final issuance

This document constitutes issuance to:

Lima Refining Company
1150 South Metcalf Street
Lima, OH 45804

of a Permit-to-Install for the emissions unit(s) identified on the following page.

Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

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

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
Director

Authorization (continued)

Permit Number: P0116563
Permit Description: Administrative modification to establish revised nitrogen oxides and particulate emissions limitations per Federal Consent Decree, Civil Action No. SA07CA0683RF, paragraphs 60, 95, 98, 292 dated November 20, 2007; and Stock Purchase Agreenment Addendum between The Premcor Refining Group, Inc. and Lima Refining Company dated May 2, 2007.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	**P010**
Company Equipment ID:	Process
Superseded Permit Number:	P0107734
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A.2.a), Severability Clause

(2) Standard Term and Condition A.3.c) through A. 3.e)General Requirements

(3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements

(4) Standard Term and Condition A.9., Reporting Requirements

(5) Standard Term and Condition A.10., Applicability

(6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install

(7) Standard Term and Condition A.14., Public Disclosure

(8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(9) Standard Term and Condition A.16., Fees

(10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

a) 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.

b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they 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 and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. General Requirements

a) 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 re-issuance, or modification.

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, revoked, or revoked and reissued, for cause. 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 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.

4. Monitoring and Related Record Keeping and Reporting Requirements

a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

(1) The date, place (as defined in the permit), and time of sampling or measurements.

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions existing at the time of sampling or measurement.

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, 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.

c) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

(1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Ohio EPA DAPC, Northwest District Office.

(2) Quarterly written reports of (i) any deviations from federally enforceable emissionlimitations, operationalrestrictions, andcontroldeviceoperatingparameterlimitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Ohio EPA DAPC, Northwest District Office. The written reports shall be submitted quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.

(3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, andreportingrequirements contained in this permit shall be submitted to the Ohio EPA DAPC, Northwest District Office every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

(4) This permit is for an emissions unit located at a Title V facility. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

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, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to theOhio EPA DAPC, Northwest District Officein accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

6. Compliance Requirements

a) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the appropriate Ohio EPA District Office or contracted

local air agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the electronic signature date shall constitute the date that the required application, notification or report is considered to be "submitted". Any document requiring signature may be represented by entry of the personal identification number (PIN) by responsible official as part of the electronic submission process or by the scanned attestation document signed by the Authorized Representative that is attached to the electronically submitted written report.

Any document (including reports) required to be submitted and required by a federally applicable requirement in this 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:

(1) 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.

(2) 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 ORC section 3704.08.

(3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

(4) 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 Ohio EPA DAPC, Northwest District Office 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:

(1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

(2) 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.

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

8. 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.

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Ohio EPA DAPC, Northwest District Office.

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 state-only required 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 theOhio EPA DAPC, Northwest District Office. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, 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.)

10. Applicability

This Permit-to-Install is applicable only to the emissions unit(s) identified in the Permit-to-Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s)not exempt from the requirement to obtain a Permit-to-Install.

11. Construction of New Sources(s) and Authorization to Install

a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. 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 this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit 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.

b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual

obligation to undertake and complete within a reasonable time a continuing program of installation. 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 permittee shows good cause for any such extension.

c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit 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) by submitting a certification from the authorized 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 authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as “permanently shut down” in “Air Services” along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update electronically will constitute notifying the Director of the permanent shutdown of the affected emissions unit(s).

d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit 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). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

Unless otherwise exempted,no emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31 and OAC Chapter 3745-77 if the restarted operation is subject to one or more applicable requirements.

e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

12. Permit-To-Operate Application

The permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77. The permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if operation of the proposed new or modified source(s) as authorized by this permit would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d)must be <u>obtained before</u>operating the source in a manner that would violate the existing Title V permit requirements.

13. Construction Compliance Certification

The applicant shall identify the following dates in the "Air Services" facility profile for each new emissions unit identified in this permit.

a) Completion of initial installation date shall be enteredupon completion of construction and prior to start-up.

b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. 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.

15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

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

16. 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 any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the "Owner/Contact Change" functionality in "Air Services" once the transfer is legally completed.The change must be submitted through "Air Services" within thirty days of the ownership transfer date.

18. Risk Management Plans

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

19. 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.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) None.

C. Emissions Unit Terms and Conditions

1. P010, Process

Operations, Property and/or Equipment Description:

fluid catalytic cracker (FCC) with ESP

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) d)(17) through d)(19)

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	14.0 lbs ammonia (NH3)/hr and 61.32 tons NH3/yr See b)(2)d.
b.	OAC rule 3745-31-05(D)	70 parts per million by volume (dry basis) of nitrogen oxides (NOx) at 0% excess air as a 365 day rolling block average 140 parts per million by volume (dry basis) of NOx at 0% excess air as a 7 day rolling block average 1 lb of particulate emissions (PE) per 1,000 lbs of coke burned, as a 1-hour block average 25 parts per million by volume (dry basis) of sulfur dioxide (SO2) at 0% excess air as a 365 day rolling block average 50 parts per million by volume (dry basis) of SO2 at 0% excess air as a 7 day rolling block average See b)(2)e. and b)(2)i.
c.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
d.	OAC rule 3745-17-11(B)(1)	See b)(2)j.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
e.	OAC rule 3745-18-08(C)(5)	0.92 lb SO2/1,000 lbs of fresh feed See b)(2)e.
f.	40 CFR 63.1 through 63.15	Table 44 to 40 CFR Part 63, Subpart UUU – Applicability of General Provisions to Subpart UUU shows which parts of the General Provisions in 40 CFR 63.1 – 63.15 apply
g.	40 CFR, Part 63, Subpart UUU [40 CFR 63.1560 – 63.1579] [In accordance with 40 CFR 63.1562, this emissions unit is an affected source consisting of process vents, including bypass line(s) on the fluidized catalytic cracking unit that are associated with the regeneration of the catalyst used in the unit (i.e., the catalyst regeneration vent), subject to the emission limitations/control measures specified in this section.]	500 parts per million carbon monoxide (CO) by volume, dry basis (ppmvd) at 0% oxygen, as a one-hour block average See b)(2)f. through b)(2)h., d)(20), e)(8), f)(1)e. and f)(2)

(2) Additional Terms and Conditions

a. The following term is shown for informational purposed for a previously issued PTI for this emissions unit: PTI No. P0107734 (administrative modification issued 3/14/11) involved incorporation of NOx and SO2 emissions limitations from the federal consent decree addendum civil action No. SA07CA0683RF, dated 11/20/07, and deletion of all terms and conditions previously established for the carbon monoxide boiler, since this boiler has been permanently shut down.

b. The following term is shown for informational purposes for a previously issued PTI for this emissions unit: PTI No. P0106611 (administrative modification of PTI No. 03-17408 issued 8/2/10) involved revisions to relative accuracy test audit permit terms for the NOx and SO2 continuous emissions monitors (CEMS) to the frequency defined (once every three years) in the federal consent decreeaddendum, civil action No. SA07CA0683RF, dated 11/20/07, and to remove permit terms that previously required a SO2 CEM on the ESP stack.

c. The following term is shown for informational purposes for previously issued PTIs for this emissions unit: PTI No. 03-17408 (administrative modification issued 6/23/10) involved the installation of a new continuous emission monitor(CEM) for CO on the FCC regeneratorflue gas exhaust, as listed in paragraph Nos. 94,101,

102 and 292 of the federal consent decreeaddendum, civil action No. SA07CA0683RF, dated 11/20/07.

The CEM was installed on 12/1/06 and certified, and a certification letter was issued to the permitteeon 9/26/07, stating that the CEM is considered as certified on the date ofconsent decree addendum signature. Thus, CEM certification becameeffective on 11/20/07.

The CEM is used for compliance demonstration and reporting purposes for the CO emission limitation of 500 ppmvd, as established in the federal consent decree addendum.

PTI No. 03-17408 (administrative modification issued 1/31/08) involved installation of new CEMS for SO2, NOxand oxygen on the FCC regeneratorflue gas exhaust of this emissionsunit; as listed in paragraph Nos. 61, 89 and 291 of the federal consent decreeaddendum, civil action No. SA07CA0683RF, dated 11/20/07.

The CEMS havebeen installed and certified, and a certification letter was issued to the permitteeon 9/26/07, stating that the CEMS are considered as certified on the date ofconsent decree addendum signature. Thus, CEMS certification becameeffective on 11/20/07. The CEMS were used as part of optimization studies todetermine final emission limitations for sulfur dioxide and nitrogen oxides, and are currently being used for compliance demonstration and reporting purposes for the emissions limitations established pursuant to terms of the consent decreeaddendum.

d. Best Available Technology (BAT) requirements for this emissions unit have been determined to be compliance with the terms and conditions of this permit.

e. The SO2 emissions limitation established in OAC 3745-18-08(C)(5) is less stringent than the regenerator flue gas exhaust requirements for SO2 in the federal consent decreeaddendum, civil action No. SA07CA0683RF, dated 11/20/07, as established pursuant to OAC rule 3745-31-05(D).

f. Pursuant to paragraph No. 94 in the federal consent decreeaddendum, civil action No. SA07CA0683RF, dated 11/20/07, and Table 8 in 40 CFR, Part 63, Subpart UUU, thepermittee shall meet an emission limitation of 500 parts per million CO by volume, dry basis (ppmvd) at 0% oxygen, as a one-hour block average.

g. Pursuant to paragraph No. 102 in the federal consent decreeaddendum, civil action No. SA07CA0683RF, dated 11/20/07, the CO emission limitation is not applicable during periods of startup, shutdown or malfunction of this emissions unit, provided that during the startup, shutdown or malfunction, the permittee shall, to the extent practicable, maintain and operate the relevant affected facility, including associated air pollution control equipment, in a matter consistent with good air pollution control practices for minimizing emissions.

h. This emissions unit is subject to Maximum Achievable Control Technology(MACT) standards in 40 CFR, Part 63, Subpart UUU. The permittee shall comply with the applicable control requirements, operating limits and emission limits under 40 CFR Part 63 Subpart UUU, including the following sections:

63.1564(a)(1), Table 1	Meet the applicable emission limitation in Table 1 of subpart UUU that applies
63.1564(a)(2), Table 2	Comply with the applicable operating limit in Table 2 of this subpart
63.1564(a)(3)	Prepare an operation, maintenance, and monitoring plan according to the requirements in 63.1574(f) and operate at all times according to the procedures in the plan
63.1564(a)(4)	Emission Limits for metal HAP are not applicable during preapproved planned maintenance
63.1564(b)(3), Table 2 and Table 4	Establish each site-specific operating limit in Table 2 of this subpart that applies to this EU according to the procedures in Table 4
63.1564(b)(4)	Use the procedures specified to determine initial compliance with the emission limitations
63.1565(a)(1), Table 8	Emission Limit - Carbon Monoxide
63.1565(a)(3)	Prepare an Operation, Maintenance and Monitoring Plan
63.1565(a)(4)	Emission Limits for organic HAP are not applicable during preapproved planned maintenance
63.1570(a)	Compliance with Non-opacity Standards
63.1570(g)	Deviations during Startup, Shutdown or Malfunction
63.1574(f)(2)(i) through 63.1574(f)(2)(iv), and 63.1574(f)(2)((viii) through	Operation, Maintenance and Monitoring Plan Requirements

63.1574(f)(2)(x)	

i. This permit establishes the following federally enforceable emission limitation for the purpose of limiting potential to emit (PTE): Pursuant to paragraph Nos. 60,95, 98, 292 of the Federal Consent Decree, Civil Action No. SA07CA0683RF, dated November 20, 2007 and the Stock Purchase Agreement Addendum to the Consent Decree between The Premcor Refining Group, Inc. and Lima Refining Company dated May 2, 2007, the permittee shall:

i. limit the emissions of NOx from the FCC regenerator to concentrations of 70ppmvd at 0% oxygen as a 365 day rolling average and 140ppmvd at 0% oxygen as a 7 day rolling average, in accordance with consent decree paragraph 95, 98 and paragraph C.8.b. of the Stock Purchase Agreement Addendum between The Premcor Refining Group, Inc. and Lima Refining Company, by December 31, 2013; and

ii. limit the emissions of SO2 from the FCC regenerator to concentrations of 25 ppmvd measured as a 365 day rolling average and 50 ppmvd measured as a 7 day rolling average, each at 0% oxygen, in accordance with consent decree paragraph 86 and Appendix E.4.c. on December 7, 2010.

j. The emissions limitation of 1 lb of PE per 1,000 lbs of coke burned, as a 1-hour block average, is more stringent than the emissions limitation that had been previously established under OAC rule 3745-17-11(B)(1).

c) Operational Restrictions

(1) The permittee shall operate the electrostatic precipitator (ESP) whenever the fluid catalytic cracker unit is in operation, except during periods of startup and shutdown that are exempted pursuant to OAC rule 3745-17-07(A)(3)(a)(I) and 3745-17-07(A)(3)(b)(I), or during malfunctions that are exempted pursuant to OAC rule 3745-17-07(A)(3)(c).

(2) The ammonia injection feed rate into the ESP shall not exceed 14.0 lbs/hr.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall operate and maintain the continuous opacity monitoring system tocontinuously monitor and record the opacity of the particulate emissions from thisemissions unit. The continuous monitoring and recording equipment shall comply withthe requirements specified in 40 CFR Part 60.13.

The permittee shall maintain records of data obtained by the continuous opacitymonitoring system including, but not limited to:

a. percent opacity on an instantaneous (one-minute) and 6-minute block averagebasis;

b. results of daily zero/span calibration checks and the magnitude of manualcalibration adjustments;

c. hours of operation of the emissions unit, continuous opacity monitoring system,and control equipment;

d. the date, time, and hours of operation of the emissions unit without the controlequipment and/or the continuous opacity monitoring system;

e. the date, time, and hours of operation of the emissions unit during anymalfunction of the control equipment and/or the continuous opacity monitoringsystem; as well as,

f. the reason (if known) and the corrective actions taken (if any) for each suchevent in d)(1)d. and d)(1)e.

(2) The permittee shall maintain on-site, the document of certification received from theU.S. EPA or the Ohio EPA's Central Office verifying that the continuous opacitymonitoring system has been certified to meet the requirements of 40 CFR, Part 60,Appendix B, Performance Specification 1. The letter/document of certification shall bemade available to the Director (the Ohio EPA, Northwest District Office) upon request.

Each continuous monitoring system consists of all the equipment used to acquire andrecord data in units of all applicable standard(s), and includes the sample extractionand transport hardware, sample conditioning hardware, analyzers, and data processinghardware and software.

(3) The permittee shall maintain a written quality assurance/quality control plan for thecontinuous opacity monitoring system, designed to ensure continuous valid andrepresentative readings of opacity and compliance with 40 CFR, Part 60, Appendix B,Performance Specification 1. The plan shall include, at a minimum, procedures forconducting and recording daily automatic zero/span checks, and a description ofpreventive maintenance activities. The plan shall describe step by step procedures forensuring accurate operation of the continuous opacity monitoring system on acontinuous basis. The quality assurance/quality control plan and a logbook dedicatedto the continuous opacity monitoring system must be kept on site and available forinspection during regular office hours.

(4) The permittee shall install, operate, and maintain equipment to continuously monitor and record NOx emissions for this emissions unit, in units of parts per million by volume, on a dry basis. The continuous monitoring and recording equipment shall comply with the requirements specified in 40CFR Part 60.13.

The permittee shall maintain records of data obtained by the continuous NOx monitoringsystem including, but not limited to:

a. emissions of NOx in parts per million on a continuous (15 minute) basis;

b. emissions of NOx in all units of the applicable standard(s) in the appropriate averagingperiod;

c. results of quarterly cylinder gas audits;

d. results of daily zero/span calibration checks and the magnitude of manual calibrationadjustments;

e. results of required relative accuracy test audit(s), including results in units of theapplicable standard(s);

f. hours of operation of the emissions unit, continuous NOx monitoring system, andcontrol equipment;

g. the date, time, and hours of operation of the emissions unit without the controlequipment and/or the continuous NOx monitoring system;

h. the date, time, and hours of operation of the emissions unit during any malfunction ofthe control equipment and/or the continuous NOx monitoring system; as well as,

i. the reason (if known) and the corrective actions taken (if any) for each such event in d)(4)gand d)(4)(h).

(5) The permittee shall maintain on-site, the document of certification received from the U.S. EPAor the Ohio EPA's Central Office documenting that the continuous NOx monitoring system forthe FCC regenerator flue gas has been certified to meet the requirements of 40 CFR, Part 60,Appendix B, Performance Specification 2. The letter/document of certification shall be madeavailable to the Director (the Ohio EPA, Northwest District Office) uponrequest.

Each continuous monitoring system consists of all the equipment used to acquire and recorddata in units of all applicable standard(s), and includes the sample extraction and transporthardware, sample conditioning hardware, analyzers, and data processing hardware andsoftware.

(6) The permittee shall maintain a written quality assurance/quality control plan for the continuousNOx monitoring system for the FCC regenerator flue gas, designed to ensure continuousvalid and representative readings of NOx emissions in units of the applicable standard(s).The plan shall follow the requirements of 40 CFR, Part 60, Appendix F.

The qualityassurance/quality control plan and a logbook dedicated to the continuous NOx monitoringsystem must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relativeaccuracy audits as required in 40 CFR, Part 60; and to conduct relative accuracy test audits inunits of the standard(s), in accordance with and at the frequencies required per 40 CFR, Part60, except as noted below.

Pursuant to paragraph No. 62 of the federal consent decree addendum, civil action No. SA07CA0683RF, dated 11/20/07, the permittee is required to:

a. Conduct a relative test audit of the NOx CEM at a minimum frequency of once every three years; and

b. Conduct cylinder gas audits on the NOx CEM during each quarter when a relative accuracy test audit is not conducted.

(7) The permittee shall install, operate, and maintain equipment to continuously monitor andrecord SO2 emissions from this emissions unit, in units of parts per million by volume, on a dry basis. The continuousmonitoring and recording equipment shall comply with the requirements specified in 40 CFR, Part 60.

The permittee shall maintain records of data obtained by the continuous SO2 monitoringsystem including, but not limited to:

a. emissions of SO2 in parts per million on a continuous (15 minute) basis;

b. emissions of SO2 in all units of the applicable standard(s) in the appropriate averagingperiod;

c. results of quarterly cylinder gas audits;

d. results of daily zero/span calibration checks and the magnitude of manual calibrationadjustments;

e. results of required relative accuracy test audit(s), including results in units of theapplicable standard(s);

f. hours of operation of the emissions unit, continuous SO2 monitoring system, andcontrol equipment;

g. the date, time, and hours of operation of the emissions unit without the controlequipment and/or the continuous SO2 monitoring system;

h. the date, time, and hours of operation of the emissions unit during any malfunction ofthe control equipment and/or the continuous SO2 monitoring system; as well as,

i. the reason (if known) and the corrective actions taken (if any) for each such event in d)(7)g. and d)(7)h.

(8) The permittee shall maintain on-site, the document of certification received from the U.S. EPAor the Ohio EPA's Central Office documenting that the continuous SO2 monitoring system forthe FCC regenerator flue gas has been certified to meet the requirements of 40 CFR, Part 60,Appendix B, Performance Specification 2.

The letter/document of certification shall be madeavailable to the Director (the Ohio EPA, Northwest District Office) uponrequest.

Each continuous monitoring system consists of all the equipment used to acquire and recorddata in units of all applicable standard(s), and includes the sample extraction and

transporthardware, sample conditioning hardware, analyzers, and data processing hardware andsoftware.

(9) The permittee shall maintain a written quality assurance/quality control plan for the continuousSO2 monitoring system for the FCC regenerator flue gas, designed to ensure continuous validand representative readings of SO2 emissions in units of the applicable standard(s). The planshall follow the requirements of 40 CFR, Part 60, Appendix F.

The quality assurance/qualitycontrol plan and a logbook dedicated to the continuous SO2 monitoring system must be kepton site and available for inspection during regular office hours.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relativeaccuracy audits as required in 40 CFR, Part 60; and to conduct relative accuracy test audits inunits of the standard(s), in accordance with and at the frequencies required per 40 CFR, Part60, except as noted below.

Pursuant to paragraph No. 90 of the federal consent decree addendum, civil action No. SA07CA0683RF, dated 11/20/07, the permittee is required to:

a. Conduct a relative accuracy test audit of the SO2 CEM at a minimum frequency of once every three years, and

b. Conduct cylinder gas audits on the SO2 CEM during each quarter when a relative accuracy test audit is not conducted,

(10) The permittee shall install, operate and maintain equipment to continuously monitor andrecord oxygen (O2) emitted from this emissions unit, in units of percent O2. The continuous monitoring andrecording equipment shall comply with the requirements specified in 40 CFR, Part 60.

The permittee shall maintain records of data obtained by the continuous O2 monitoring systemincluding, but not limited to:

a. percent O2 on a continuous (15 minute) basis;

b. results of quarterly cylinder gas audits;

c. results of daily zero/span calibration checks and the magnitude of manual calibrationadjustments;

d. results of required relative accuracy test audit(s);

e. hours of operation of the emissions unit, continuous O2 monitoring system;

f. the date, time, and hours of operation of the emissions unit without thecontinuous O2 monitoring system;

g. the date, time, and hours of operation of the emissions unit during any malfunction ofthe continuous O2 monitoring system; as well as,

h. the reason (if known) and the corrective actions taken (if any) for each such event in d)(10)f. and d)(10)g.

(11) The permittee shall maintain on-site, the document of certification received from the U.S. EPAor the Ohio EPA's Central Office documenting that the continuous O2 monitoring system forthe FCC regenerator flue gas has been certified to meet the requirements of 40 CFR, Part 60,Appendix B, Performance Specification 3. The letter/document of certification shall be madeavailable to the Director (the Ohio EPA, Northwest District Office) uponrequest.

Each continuous monitoring system consists of all the equipment used to acquire and recorddata in units of all applicable standard(s), and includes the sample extraction and transporthardware, sample conditioning hardware, analyzers, and data processing hardware andsoftware.

(12) The permittee shall maintain a written quality assurance/quality control plan for the continuousO2 monitoring system for the FCC regenerator flue gas, designed to ensure continuous validand representative readings of O2 emissions in units of the applicable standard(s).

The plan shall follow the requirements of 40 CFR, Part 60, Appendix F. The quality assurance/qualitycontrol plan and a logbook dedicated to the continuous SO2 monitoring system must be kepton site and available for inspection during regular office hours.

a. The plan shall include the requirement to conduct quarterly cylinder gas audits or relativeaccuracy audits as required in 40 CFR, Part 60; and to conduct relative accuracy test audits inunits of the standard(s), in accordance with and at the frequencies required per 40 CFR, Part60.

(13) The permittee shall operate and maintain equipment to continuously monitor and record CO emissions from this emissions unit,in units of parts per million by volume, on a dry basis. The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR, Part 60.

The permittee shall maintain records of data obtained by the continuous CO monitoring system including, but not limited to:

a. emissions of CO in parts per million on a continuous (15 minute) basis;

b. emissions of CO in all units of the applicable standard(s) in the appropriate averaging period;

c. results of quarterly cylinder gas audits;

d. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;

e. results of required relative accuracy test audit(s), including results in units of the applicable standard(s);

f. hours of operation of the emissions unit, continuous CO monitoring system, and control equipment;

g. the date, time, and hours of operation of the emissions unit without the control equipment and/or the continuous CO monitoring system;

h. the date, time, and hours of operation of the emissions unit during any malfunction of the control equipment and/or the continuous CO monitoring system; as well as,

i. the reason (if known) and the corrective actions taken (if any) for each such event in d)(13)g. and d)(13)h.

(14) The permittee shall maintain on-site, the document of certification received from the U.S. EPA or the Ohio EPA's Central Office documenting that the continuous CO monitoring system forthe FCC regenerator flue gas has been certified to meet the requirements of 40 CFR, Part 60, Appendix B, Performance Specification 4 or 4a, as appropriate. The letter/document of certification shall be made available to the Director (the Ohio EPA, Northwest District Office) upon request.

Each continuous monitoring system consists of all the equipment used to acquire and record data in units of all applicable standard(s), and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data processing hardware and software.

(15) The permittee shall maintain a written quality assurance/quality control plan for the continuous CO monitoring systemfor the FCC regenerator flue gas, designed to ensure continuous valid and representative readings of CO emissions in units of the applicable standard(s). The plan shall follow the requirements of 40 CFR, Part 60, Appendix F.

The quality assurance/quality control plan and a logbook dedicated to the continuous CO monitoring system must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits as required in 40 CFR, Part 60; and to conduct relative accuracy test audits in units of the standard(s), in accordance with and at the frequencies required per 40 CFR, Part 60.

(16) The permittee shall properly install, operate, and maintain equipment to continuously monitorand record the ammonia injection feed rate into the ESP. The monitoring equipment shall beinstalled, calibrated, operated, and maintained in accordance with the manufacturer'srecommendations, instructions, and operating manual(s).

(17) The permit to install for this emissions unit P010 was evaluated based on the actual materials(typically coatings and cleanup materials) and the design parameters of the emissions unit'sexhaust system, as specified by the permittee in the permit to install application. The OhioEPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was appliedfor each pollutant emitted by this emissions unit using data from the permit to installapplication and the ISC-PRIME (or other Ohio EPA approved

model). The predicted 1-hourmaximum ground-level concentration from the use of the ISC-PRIME model was compared tothe Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizesthe results of the modeling for the "worst case" pollutant(s):

Pollutant: ammonia

TLV (mg/m3): 54.7

Maximum Hourly Emission Rate (lbs/hr): 14.0 lbs/hr

Predicted 1-Hour Maximum Ground-Level Concentration (mg/m3): 2.027

MAGLC (mg/m3): 1,302

(18) 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 suchparameters, 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 theparameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically for coatings or cleanupmaterials), or the use of new materials, that would result in the emission of a compoundwith a lower Threshold Limit Value (TLV), as indicated in the most recent version of thehandbook entitled "American Conference of Governmental Industrial Hygienists(ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would resultin an increase in emissions of any pollutant with a listed TLV that was proposed in theapplication 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.).

(19) 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 rule3745-31-01 solely due to the emissions of any type of toxic air contaminant not previouslyemitted, and a modification of the existing permit to install will not be required, even if the toxicair contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. Ifthe change(s) is (are) defined as a modification under other provisions of the modificationdefinition, then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conductsevaluations 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 pollutantsemitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit stillsatisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runsthat show the results of the application of the "Air Toxic Policy" for the change.

(20) The permittee shall comply with the applicable monitoring and recordkeeping requirements under 40 CFR, Part 63, Subpart UUU, including the following sections:

63.1564(b)(1); and Table 3	Install, operate, and maintain a continuous monitoring system(s) according to the requirements in 63.1572 and Table 3.
63.1564(b)(1); and Table 3	Install, operate, and maintain a continuous monitoring system(s) according to the requirements in 63.1572 and Table 3.
63.1564(c)(1); Table 1; Table 2; Table 6 and Table 7	Demonstrate continuous compliance with each emission limitation in Tables 8 and 9 of this subpart that applies to this unit according to the methods specified in Tables 6 and 7.
63.1564(c)(2)	Document Conformance with Operations, Maintenance and Monitoring Plan
63.1564(c)(3)	Continuous Compliance - Nickel Operating Limit Calculations
63.1565(b)(1)	Install and Operate Carbon Monoxide Continuous Emission Monitoring System
63.1565(c)(1), Table 8, Table 9, Table 13 and Table 14	Continuous Compliance - Carbon Monoxide Monitoring
63.1565(c)(2)	Comply with Operations, Maintenance and Monitoring Plan
63.1569(a)(1)(i) and Table 36, Option 1	Bypass Line Monitor
63.1569(a)(2)	Bypass Line Monitor - U.S. EPA may grant alternative
63.1569(a)(3)	Comply with Operations, Maintenance and Monitoring Plan
63.1569(c)(1), Table 36 and Table 39	Continuous Compliance - Bypass Lines
63.1569(c)(2)	Comply with Operations, Maintenance and Monitoring Plan

63.1570(c)	General Duty - Log Prior to Continuous Monitoring System Validation
63.1570(d)	Develop Startup, Shutdown and Malfunction Plan
63.1572(a)(1) through 63.1572(a)(4), 63.1572(b)(1), 63.1572(c)(1) through 63.1572(c)(5), 63.1572(d)(1) through 63.1572(d)(2) and Table 40	Continuous Emission Monitoring System, Continuous Opacity Monitoring System, and Continuous Parameter Monitoring System Requirements as Applicable
63.1576(a)(1) through 63.1576(a)(3), 63.1576(b)(1) through 63.1576(b)(5), 63.1576(d) through 63.1576(i), Table 6, Table 7, Table 13, Table 14 and Table 39	Recordkeeping Requirements

e) Reporting Requirements

(1) The permittee shall comply with the following quarterly reporting requirements for theemissions unit and its continuous opacity monitoring system (COMS):

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuousmonitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirementsestablished in this permit, the permittee shall submit reports within 30 days followingthe end of each calendar quarter to the Ohio EPA, Northwest District Office, documenting all instances of opacity values in excess of any limitationspecified in this permit, 40 CFR, Part 60; OAC rule 3745-17-07, and any otherapplicable rules or regulations.

The report shall document the date, commencement and completion times, duration,and magnitude (percent opacity) of each 6-minute block average exceeding theapplicable opacity limitation(s), as well as, the reason (if known) and the corrective actions taken (if any) for each exceedance. If there are no exceedances during thecalendar quarter, the permittee shall submit a statement to that effect.

b. These quarterly reports shall be submitted by January 30, April 30, July 30, andOctober 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous opacity monitor;

iii. a description of any change in the equipment that comprises the COMS, including any change to the hardware,changes to the software that may affect COMS readings, and/or changes in thelocation of the COMS sample probe;

iv. the excess emissions report (EER), i.e., a summary of any exceedancesduring the calendar quarter, as specified above;

v. the total operating time (hours) of the emissions unit;

vi. the total operating time of the COMS while theemissions unit was in operation;

vii. the date, time, and duration of any/each malfunction* of the COMS, emissions unit, and/or control equipment;

viii. the date, time, and duration of any downtime* of the COMS and/or control equipment while the emissions unit was inoperation; and

ix. the reason (if known) and the corrective actions taken (if any) for each event in e)(1)b.vii.ande)(1)b.viii.

Each report shall address the operations conducted and data obtained during theprevious calendar quarter.

* each downtime and malfunction event shall be reported regardless if there is anexceedance of the opacity limit

(2) The permittee shall comply with the following quarterly reporting requirements for theemissions unit and its continuous NOx monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuousmonitoring systems contained in 40 CFR 60.7 and 60.13(h) and the requirementsestablished in this permit, the permittee shall submit reports within 30 days followingthe end of each calendar quarter to the Ohio EPA, Northwest District Office, documenting all instances of NOx emissions in excess of any applicable limitspecified in this permit, 40 CFR, Part 60; OAC Chapters 3745-14 and 3745-23, and anyother applicable rules or regulations.

The report shall document the date, commencement and completion times, duration,and magnitude of each exceedance, as well as the reason (if known) and the correctiveactions taken (if any) for each exceedance. Excess emissions shall be reported inunits of the applicable standard(s). If there are no excess emissions during thecalendar quarter, the permittee shall submit a statement to that effect.

b. These quarterly reports shall be submitted by January 30, April 30, July 30, andOctober 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous NOx and otherassociated monitors;

iii. a description of any change in the equipment that comprises the continuousemission monitoring system (CEMS), including any change to

the hardware,changes to the software that may affect CEMS readings, and/or changes in thelocation of the CEMS sample probe;

iv. the excess emissions report (EER), i.e., a summary of any exceedances duringthe calendar quarter, as specified above;

v. the total operating time (hours) of the emissions unit;

vi. the total operating time of the continuous NOx monitoring system while theemissions unit was in operation;

vii. results and dates of quarterly cylinder gas audits;

viii. unless previously submitted, results and dates of the relative accuracy testaudit(s), including results in units of the applicable standard(s), (duringappropriate quarter(s));

ix. unless previously submitted, the results of any relative accuracy test auditshowing the continuous NOx monitor out-of-control and the compliant resultsfollowing any corrective actions;

x. the date, time, and duration of any/each malfunction* of the continuous NOxmonitoring system, emissions unit, and/or control equipment;

xi. the date, time, and duration of any downtime* of the continuous NOx monitoringsystem and/or control equipment while the emissions unit was in operation; and

xii. the reason (if known) and the corrective actions taken (if any) for each event in e)(2)b.x. and e)(2)b.xi.

Each report shall address the operations conducted and data obtained during theprevious calendar quarter.

* each downtime and malfunction event shall be reported regardless if there is anexceedance of any applicable limit

(3) The permittee shall comply with the following quarterly reporting requirements for theemissions unit and its continuous SO2 monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuousmonitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirementsestablished in this permit, the permittee shall submit reports within 30 days followingthe end of each calendar quarter to the Ohio EPA, NorthwestDistrict Office, documenting all instances of SO2 emissions in excess of any applicable limitspecified in this permit, 40 CFR, Part 60; OAC Chapter 3745-18, and any otherapplicable rules or regulations.

The report shall document the date, commencementand completion times, duration, and magnitude of each exceedance, as well as thereason (if known) and the corrective actions taken (if any) for each exceedance.Excess emissions

shall be reported in units of the applicable standard(s). If there areno excess emissions during the calendar quarter, the permittee shall submit astatement to that effect.

b. These quarterly reports shall be submitted by January 30, April 30, July 30, andOctober 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous SO2 and other associatedmonitors;

iii. a description of any change in the equipment that comprises the continuousemission monitoring system (CEMS), including any change to the hardware,changes to the software that may affect CEMS readings, and/or changes in thelocation of the CEMS sample probe;

iv. the excess emissions report (EER), i.e., a summary of any exceedances duringthe calendar quarter, as specified above;

v. the total operating time (hours) of the emissions unit;

vi. the total operating time of the continuous SO2 monitoring system while theemissions unit was in operation;

vii. results and dates of quarterly cylinder gas audits;

viii. unless previously submitted, results and dates of the relative accuracy testaudit(s), including results in units of the applicable standard(s), (duringappropriate quarter(s));

ix. unless previously submitted, the results of any relative accuracy test auditshowing the continuous SO2 monitor out-of-control and the compliant resultsfollowing any corrective actions;

x. the date, time, and duration of any/each malfunction* of the continuous SO2monitoring system, emissions unit, and/or control equipment;

xi. the date, time, and duration of any downtime* of the continuous SO2 monitoringsystem and/or control equipment while the emissions unit was in operation; and

xii. the reason (if known) and the corrective actions taken (if any) for each event in e)(3)b.x. and e)(3)b.xi.

Each report shall address the operations conducted and data obtained during the previouscalendar quarter.

* each downtime and malfunction event shall be reported regardless if there is an exceedance of any applicable limit

(4) The permittee shall comply with the following quarterly reporting requirements for theemissions unit and its continuous O2 monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuousmonitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirementsestablished in this permit, the permittee shall submit reports within 30 days followingthe end of each calendar quarter to the Ohio EPA, Northwest District Office, documenting all instances of continuous O2 monitoring system downtime andmalfunction while the emissions unit was on line.

b. These quarterly reports shall be submitted by January 30, April 30, July 30, andOctober 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous O2 and other associatedmonitors;

iii. a description of any change in the equipment that comprises the continuousemission monitoring system (CEMS), including any change to the hardware,changes to the software that may affect CEMS readings, and/or changes in thelocation of the CEMS sample probe;

iv. the total operating time (hours) of the emissions unit;

v. the total operating time of the continuous O2 monitoring system while theemissions unit was in operation;

vi. results and dates of quarterly cylinder gas audits;

vii. unless previously submitted, results and dates of the relative accuracy testaudit(s) (during appropriate quarter(s));

viii. unless previously submitted, the results of any relative accuracy test auditshowing the continuous O2 monitor out-of-control and the compliant resultsfollowing any corrective actions;

ix. the date, time, and duration of any/each malfunction* of the continuous O2monitoring system while the emissions unit was in operation;

x. the date, time, and duration of any downtime* of the continuous O2 monitoringsystem while the emissions unit was in operation; and

xi. the reason (if known) and the corrective actions taken (if any) for each event in e)(4)b.ix.ande)(4)b.x.

Each report shall address the operations conducted and data obtained during theprevious calendar quarter.

* each downtime and malfunction event shall be reported regardless if there is anexceedance of any applicable limit

(5) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous CO monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the Ohio EPA, Northwest District Office, documenting all instances of CO emissions in excess of any applicable limit specified in this permit, 40 CFR, Part 60; OAC Chapter 3745-21, and any other applicable rules or regulations.

The report shall document the date, commencement and completion times, duration, and magnitude of each exceedance, as well as, the reason (if known) and the corrective actions taken (if any) for each exceedance. Excess emissions shall be reported in units of the applicable standard(s).

b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous CO and other associated monitors;

iii. continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;

iv. the excess emissions report (EER)*, i.e., a summary of any exceedances during the calendar quarter, as specified above;

v. the total CO emissions for the calendar quarter (tons);

vi. the total operating time (hours) of the emissions unit;

vii. the total operating time of the continuous CO monitoring system while the emissions unit was in operation;

viii. results and dates of quarterly cylinder gas audits;

ix. unless previously submitted, results and dates of the relative accuracy test audit(s), including results in units of the applicable standard(s), (during appropriate quarter(s));

x. unless previously submitted, the results of any relative accuracy test audit showing the continuous CO monitor out-of-control and the compliant results following any corrective actions;

xi. the date, time, and duration of any/each malfunction** of the continuous CO monitoring system, emissions unit, and/or control equipment;

xii. the date, time, and duration of any downtime** of the continuous CO monitoring system and/or control equipment while the emissions unit was in operation; and

xiii. the reason (if known) and the corrective actions taken (if any) for each event in e)(5)b.xi.ande)(5)b.xii.

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

* where no excess emissions have occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the EER quarterly report

** each downtime and malfunction event shall be reported regardless if there is an exceedance of any applicable limit

(6) The permittee shall submit deviation (excursion) reports that identify all periods of time duringstartup and shutdown of the emissions unit when the ESP was not in operation.

(7) The permittee shall submit deviation (excursion) reports that identify all periods of time whenthe ammonia injection feed rate to the ESP exceeded 14.0 lbs/hr. Each report shall besubmitted within 30 days after the deviation occurs.

(8) The permittee shall comply with the applicable reporting requirements under 40 CFR Part 63, Subpart UUU, including the following sections:

63.1563(e)	Notification Requirements
63.1564(b)(6) and 63.1564(b)(7)	Submit Notification of Compliance Status, including Operations Maintenance and Monitoring Plan
63.1565(b)(5) and 63.1565(b)(6)	Submit Notification of Compliance Status, including Operations Maintenance and Monitoring Plan
63.1569(b)(3) and 63.1569(b)(4)	Submit Notification of Compliance Status, including Operations Maintenance and Monitoring Plan
63.1570(f)	Report Deviations
63.1574(a)	Notification Requirements
63.1574(a)(2)	Performance Test Notification
63.1574(a)(3), 63.1574(d) and Table 42.1, Table 42.2 and Table 42.3	Notification of Compliance Status - Identify Affected Sources, Emission Limits and Monitoring Operations
63.1574(f)(1)	Submit Notification of Compliance Status, including Operations Maintenance and Monitoring Plan

63.1575(a), 63.1575(b)(1) through 63.1575(b)(5), 63.1575(c), 63.1575(e)(1) through 63.1575(e)(13), 63.1575(f)(1) through 63.1575(f)(2), 63.1575(g) and Table 43	Compliance Report Requirements
63.1575(h)(1) through 63.1575(h)(2)	Startup, Shutdown and Malfunction Reporting Requirements

f) Testing Requirements

(1) Compliance with the emission limitations in section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

14.0 lbs NH3/hr and 61.32 tons NH3/yr

Applicable Compliance Method:

The lb/hr emission limitation was established on the basis that 100% of the NH3injected into the ESP could exit as unreacted NH3. Therefore provided compliance isshown with the operational restriction not to exceed an NH3 injection feed rate into theESP of 14.0 lbs/hr, compliance with the NH3 lb/hr emission limitation shall be assumed.

If required, compliance with the NH3 emission limitation shall be determined inaccordance with the test methods and procedures specified in 40 CFR, Part 60,Appendix A - Methods 1 through 4 and 206.

As long as compliance with the hourly emission limitation is maintained, compliance withthe annual emission limitation shall be assumed (the annual emission limitation wasdetermined by multiplying the hourly emission limitation by 8,760 hrs/yr, and thendividing by 2,000 lbs/ton).

b. Emission Limitation:

70 parts per million by volume (dry basis) of NOx at 0% excess air as a 365 day rolling block average, and 140 parts per million by volume (dry basis) of NOx at 0% excess air as a 7 day rolling block average

Applicable Compliance Method:

Ongoing compliance with the NOx emission limitations contained in this permit and any other applicable standard(s) shall be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the requirements of 40 CFR, Part 60.

c. Emission Limitation:

1 lb of PE per 1,000 lbs of coke burned, as a 1-hour block average

Applicable Compliance Method:

Compliance with this requirement has been demonstrated by a stack test that was conducted on July 24, 2012. The results of the stack test were submitted to Ohio EPA, Northwest District Office on August 21, 2012.

d. Emission Limitation:

25 parts per million by volume (dry basis) of SO2 at 0% excess air as a 365 day rolling block average, and 50 parts per million by volume (dry basis) of SO2 at 0% excess air as a 7 day rolling block average

Applicable Compliance Method:

Ongoing compliance with the SO2 emission limitations contained in this permit and any other applicable standard(s) shall be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the requirements of 40 CFR, Part 60.

e. Emission Limitation:

Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided bythe rule.

Applicable Compliance Method:

Ongoing compliance with the opacity limitation contained in this permit, 40 CFR, Part60, and any other applicable standard(s) shall be demonstrated through the datacollected as required in the Monitoring and Record keeping Section of this permit; andthrough demonstration of compliance with the quality assurance/quality control plan,which shall meet the testing and recertification requirements of 40 CFR, Part 60.

f. Emission Limitation:

0.92 lb of SO2/1,000 lbs of fresh feed

Applicable Compliance Method:

The permittee shall demonstrate compliance with the emission limitation above basedupon the results of emission testing conducted in accordance with Methods 1 - 4 and 6of 40 CFR, Part 60, Appendix A (as required in the terms and conditions for thisemissions unit in the final Title V permit minor modification issued on 11/28/05.

Ongoing compliance with the SO2 emission limitations contained in this permit, 40 CFR, Part 60 and any other applicable standard(s) shall be demonstrated through the datacollected as required in the Monitoring and Record keeping Section of this permit; andthrough demonstration of compliance with the quality assurance/quality control plan,which shall meet the testing and recertification requirements of 40 CFR, Part 60.

g. Emission Limitation:

500 parts per million CO by volume, dry basis (ppmvd) at 0% oxygen, as a one-hour block average

Applicable Compliance Method:

Ongoing compliance with the CO emission limitations contained in this permit, 40 CFR, Part 63, and any other applicable standard(s) shall be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the requirements of 40 CFR, Part 60.

(2) The permittee shall comply with the applicable testing requirements under 40 CFR, Part 63, Subpart UUU, including the following sections:

63.1564(b)(2) and Table 4	Conduct a performance test for each catalytic cracking unit not subject to the NSPS for PM according to the requirements in 63.1571 and under the conditions specified in Table 4
63.1564(b)(5) and Table 5	Demonstrate initial compliance with each emission limitation that applies to this emissions unit according to Table 5
63.1565(b)(4) and Table 12	Initial Compliance Demonstration for Carbon Monoxide
63.1569(b)(1), 63.1569(b)(2), Table 36, Table 37 and Table 38	Initial Compliance Demonstration - Bypass Monitoring
63.1571(a)	Performance Test Dates
63.1571(b)(1) through 63.1571(b)(5)	Performance Test General Requirements

63.1571(d)(1) and 63.1571(d)(3)	Establish Site-Specific Operating Limit and Laboratory Procedures as Applicable
63.1571(e)(3)	Procedure for Changing Operating Limit as Applicable

g) Miscellaneous Requirements

(1) None.