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State of Ohio Environmental Protection Agency

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CANTON CITY HEALTH DEPT.
AIR POLLUTION DIVISION

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P.O. Box 1049
Columbus, OH 43216-1049

CERTIFIED MAIL

RE: FINAL PERMIT TO INSTALL MODIFICATION
STARK COUNTY
Application No: 15-01539
Fac ID: 1576000301

DATE: 7/26/2007

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
40 CFR Part 60.104(a)(1)	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

Marathon Petroleum Company LLC, Canton
Brent McNeese
2408 Gambrinus Ave., SW
Canton, OH 44706

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

Sincerely,

Michael W. Ahern

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

CC: USEPA Canton LAA

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 15-01539

Application Number: 15-01539
Facility ID: 1576000301
Permit Fee: **$4050**
Name of Facility: Marathon Petroleum Company LLC, Canton
Person to Contact: Brent McNeese
Address: 2408 Gambrinus Ave., SW
Canton, OH 44706

Location of proposed air contaminant source(s) [emissions unit(s)]:
2408 Gambrinus Avenue SW
Canton, Ohio

Description of proposed emissions unit(s):
Administrative Modification to miscellaneous heater/boilers resulting from changes due to a US EPA Consent Agreement.

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

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit-To-Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

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

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

ii. The date(s) analyses were performed.

iii. The company or entity that performed the analyses.

iv. The analytical techniques or methods used.

v. The results of such analyses.

vi. The operating conditions existing at the time of sampling or measurement.

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:

i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and 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 appropriate Ohio EPA District Office or local air agency. The written

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. See B.9 below if no deviations occurred during the quarter.

iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency 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.

iv. If this permit is for an emissions unit located at a Title V facility, then 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.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, 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. (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).

3. Risk Management Plans

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

4. Title IV Provisions

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

5. Severability Clause

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

6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and 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.

7. Fees

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

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any 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. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

a. 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:

i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.

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

iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

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

ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit-To-Operate Application

a. If 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 the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this permit is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this 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 source(s) covered by this permit.

11. 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.

12. 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.

13. Permit-To-Install

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in this permit.

B. State Only Enforceable Permit-To-Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit 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 of state-only enforceable 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 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 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. 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.

4. Authorization To Install or Modify

If applicable, authorization to install or modify any new or existing 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 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.

5. Construction of New Sources(s)

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.

6. 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.

7. 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).

8. Construction Compliance Certification

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) 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.

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

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

C. 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

Pollutant	Tons Per Year
PM	11.7
NOx	110.8
SO2	34.4
CO	77.1
VOC	14.8

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (B015) - Crude Oil Heater(Administrative Modification m1) Process heat exchanger for heating crude oil with a maximum heat input of 193 mmBtu/hr, fired with refinery fuel gas, natural gas and/or landfill gas (designated as 4-0-B-6).

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 60.104(a)(1)	See A.I.2.a below.
OAC rule 3745-31-05(A)(3) (PTI 15-00023)	0.05 lb NOx per mmBtu(HHV) 0.025 pound of sulfur dioxide (SO2) per mmBtu of actual heat input The requirements established pursuant to this rule are equivalent to the requirements of 40 CFR Part 60.104(a)(1), OAC rule 3745-17-10(B)(1), and OAC rule 3745-17-07(A).
OAC rule 3745-31-05(D)	18.5 tons SO2 per year as a rolling 52 week summation of emissions 42.3 tons NOx per year as a rolling 365 day summation of emissions 26.6 tons CO per year as a rolling 365 day summation of emissions (See section A.I.2.b)
OAC rule 3745-17-10(B)(1)	0.020 pound of particulates per mmBtu of actual heat input
OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

2. Additional Terms and Conditions

2.a The permittee shall not burn any mixture of refinery fuel gas, natural gas and/or landfill gas in this emissions unit that contains hydrogen sulfide (H2S) in excess of 230 mg/dscm (0.10 gr/dscf).

2.b The annual emission limitation for CO are based on a rolling, 365 day summation of gas flow to the emissions unit. Synthetic minor limits were established at the request of MAP to restrict CO, SO2, and NOx emissions from this emissions unit resulting from modifications to this emissions unit and other emissions units affected by these modifications. The modifications did not trigger BAT. The 0.05 lb NOx per mmBtu(HHV) limit was established as part of a Global Settlement Agreement dated August 28, 2001 between MAP and the United States of America(Civil No. 01-40119) and included in this PTI at the request of MAP. MAP also requested the lower SO2 limit of 0.025 pound of sulfur dioxide (SO2) per mmBtu of actual heat input.

2.c The terms and conditions for this emissions unit as specified in this first modification of PTI 15-01639 supercedes all the terms and conditions specified in the original version of PTI 15-01639.

II. Operational Restrictions

1. The permittee shall burn only refinery fuel gas, natural gas and/or landfill gas in this emissions unit. Hereinafter, this mixture of fuel gases shall be referred to as "refinery fuel gas". The sulfur content of the refinery fuel gas burned in this emissions unit shall comply with the allowable SO2 emission limitation specified in section A.I.
2. All refinery fuel gas burned by this emissions unit shall be supplied from the south area fuel drum.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall continuously sample and analyze the refinery fuel gas for sulfur content using the H2S CEMS required in section A.III.2 and maintain records of the analytical results.

2. The permittee shall operate and maintain existing equipment to continuously monitor and record the concentrations of H2S in the refinery fuel gas burned in this emissions unit, in units of ppm. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13. The span value for this instrument shall be 425 mg/dscm of H2S.

3. A statement of certification of the existing H2S CEMS shall be maintained on site and shall consist of a letter from the Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 7. Proof of certification shall be made available to representatives of the Canton local air agency upon request.

4. The permittee shall maintain records of all data obtained by the H2S CEMS including, but not limited to, parts per million (ppm) of H2S, ppm of H2S as a rolling, 3-hour average, the results of daily zero/span calibration checks, and the magnitudes of manual calibration adjustments.

5. Within 180 days of the effective date of this permit, the permittee shall develop a written quality assurance/quality control plan for the CEMS that is designed to ensure continuous valid and representative readings of H2S. The plan shall follow the requirements of 40 CFR Part 60, Appendix F. Records for the monitoring system must be kept on site and available for inspection during regular office hours.

6. The permittee shall collect samples, at least three times per week, of the refinery fuel gas for gas chromatographic analysis. The permittee shall collect refinery fuel gas samples using procedures that will ensure that sample containers are adequately purged prior to sample collection, thereby, ensuring a representative fuel gas sample. The permittee shall maintain a copy of the sampling procedures on site.

7. The permittee shall maintain weekly records of the weekly average actual heating value of the refinery fuel gas as burned in this emissions unit. The actual heating value (H), in Btu per scf, of the refinery fuel gas shall be calculated as follows from the results of a weekly refinery fuel gas compositional analysis using gas chromatography:

   H = summation of (hi x mi)

   mi = the mass fraction of each chemical compound detected in the refinery fuel gas using chromatographic analysis; and

   hi = the higher heating value of each chemical compound detected in the refinery fuel gas, in Btu per pound of chemical, as found in the GPSA manual.

8. The permittee shall use one of the following methods to conduct the compositional analysis of the refinery fuel gas samples:

   ASTM D1945-96
   ASTM D1945-96 (Wasson Modification)
   GPA Method 2261-90

   When using the Wasson Modification of ASTM Method D1945-96, the permittee shall follow, at a minimum, QA/QC requirements specified in ASTM D1945-96. The permittee shall also operate and maintain the Wasson gas chromatographic instrumentation according to the manufacturer's specifications and recommendations. Alternative, equivalent methods may be used upon written approval by the Canton local air agency.

9. The permittee shall maintain weekly records of each calculated, weekly average of the sulfur dioxide emission rate, in pounds per MMBTU, discharged from this emissions unit. The sulfur dioxide emission rate shall be calculated as follows:

   [(weekly average H2S concentration, in ppmv) x (1 scf H2S/1x10^6 ppmv) x (1 mole H2S/379 scf H2S) x (1 mole S02/mole H2S) x (64 pounds of S02/mole S02)] / (weekly average recorded heating value of the refinery fuel gas) = sulfur dioxide mass emission rate.

10. For each day during which the permittee burns a fuel other than refinery fuel gas or natural gas, the permittee shall maintain a record of the type, quantity, sulfur content, in pound of sulfur per mmdscf, and heating value, in Btu/dscf, of the fuel burned.

11. The permittee shall maintain daily records of the quantity of fuel gas burned in this emission unit, in dscf per day and the HHV heat content, in mmBtu per dscf.

12. A statement of certification of the existing continuous NOx and CO monitoring system shall be maintained on site and shall consist of a letter from the Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 6 and 40 CFR Part 60, Appendix F, Procedure 1. Proof of certification shall be made available to the Director of Ohio EPA or the local air agency upon request.

    The permittee shall operate and maintain existing equipment to continuously monitor and record NOx and CO from this emissions unit in units of ppmv, on a dry basis and in pounds NOx per mmBtu and in pounds CO per mmBtu. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

    The permittee shall maintain records of all data obtained by the continuous NOx and CO monitoring system including, but not limited to, parts per million NOx and CO on an instantaneous(one-minute) basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

13. The permittee shall maintain daily records of the following information:

    a. The gas usage rate for each day
    b. The rolling, 365 day summation of the production rates.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each rolling, weekly average SO2 emission rate, as calculated in section A.III.9, that exceeds the SO2 emission limitation of 0.0250 pound of SO2 per mmBtu of actual heat input for the burning of refinery fuel gas.

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

3. The permittee shall submit reports within thirty (30) days following the end of each calendar quarter to the Canton local air agency documenting any H2S CEMS downtime while the emissions unit was on line (date, time, duration, and reason), along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of source and control equipment malfunctions. The total

operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

4. Pursuant to 40 CFR Parts 60.7 and 60.13(h), the permittee shall submit H2S concentration reports within thirty (30) days following the end of each calendar quarter to the Canton local air agency. These reports shall contain the date, commencement and completion times, and durations of all instances of rolling, 3-hour H2S concentrations in excess of the 0.10 gr/dscf limitation, and the corrective actions taken (if any). If there are no concentrations of H2S in the refinery fuel gas greater than the value specified in section A.I.2.a during the calendar quarter, then the permittee shall submit a statement to that effect.

5. The permittee shall submit annual deviation reports which identify any time this emission unit exceeds the 42.3 tons NOx per year and the 26.6 tons CO per year limits as rolling 365 day summations. The permittee shall submit annual deviation reports which identify any time this emissions unit exceeds the 20.5 tons SO2 per year limit as a rolling, 52 week summation.

6. Pursuant to 40 CFR Parts 60.7 and 60.13(h), the permittee shall submit reports within 30 days following the end of each calendar quarter to the Canton local air agency documenting all instances of NOx and CO values in excess of the limitations specified in section A.I.1 detailing the date, commencement and completion times, duration, magnitude, reason (if known), and corrective actions taken (if any).

   The permittee shall submit reports within 30 days following the end of each calendar quarter to the Canton local air agency documenting any continuous NOx and CO monitoring system downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly reports.

   If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit, control equipment, and/or monitoring systems malfunctions. The total operating time of the emissions was on line also shall be included in the quarterly report. The quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

   The permittee shall submit a summary of the excess emission report pursuant to 40 CFR Part 60.7. The summary shall be submitted to the Canton local air agency within 30 days following the end of each calendar quarter in a manner prescribed by the Canton local air agency.

7. The permittee shall submit deviation reports that identify all exceedances of the rolling, 365 day gas usage rates limitation. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).

V. Testing Requirements

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

   a. Emission Limitation:

      0.025 pound of S02 per mmBtu of actual heat input
      18.5 tons SO2 per year as a rolling, 52 week summation of emissions

      Applicable Compliance Method:

      Compliance with the 0.025 pound of SO2 per mmBtu limit shall be demonstrated by the record keeping requirements specified in sections A.III.1 and A.III.6 through A.III.11.

      If required, the permittee shall demonstrate compliance with the above SO2 emission limitation in accordance with the procedures and methods specified in 40 CFR Part 60, Appendix A, Method 6 or one of its approved modifications and OAC rule 3745-18-04.

      Compliance with the annual limitation shall be demonstrated by calculating the rolling, 52 week summation of the quantity of SO2 discharged from this emissions unit per week, in tons. The average quantity of SO2 discharged per week, in tons shall be calculated as follows:

      (dscf of refinery fuel gas burned in this emission unit in dscf/week) x (the weekly average H2S concentration in ppmv from the CEMS) x (1scf H2S/1 x 10^6 ppmv) x (1 mole H2S/379 scf H2S) x (1 mole SO2/mole H2S) x (64 pounds SO2 / mole SO2) x (1/2000)

   b. Emission Limitation:

      0.020 pound of particulates per mmBtu of actual heat input

      Applicable Compliance Method:

      If required, the permittee shall demonstrate compliance with the above particulate emission limitation in accordance with the procedures and methods specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and OAC rule 3745-17-03(B)(10).

c. Emission Limitation:

20% opacity as a 6-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the requirements in OAC rule 3745-17-03(B)(1) and the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

d. Emission Limitation:

0.10 gr/dscf of H2S

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.2. If required, the permittee shall demonstrate compliance with the above H2S emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Method 11.

e. Emission Limitation:

0.05 lb NOx per mmBtu(HHV)

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.12. If required, the permittee shall demonstrate compliance with the above NOx emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Method 7.

f. Emission Limitation:

42.3 tons NOx per year as a rolling, 365 day summation of emissions

Applicable Compliance Method:

Compliance shall be demonstrated by calculating the rolling, 365 day summation of the average quantity of gas usage, in mmscf. The annual quantity of NOx discharged per year, in tons shall be calculated as follows:

(Average daily lb NOx per mmBtu, from CEMS) x (rolling, 365 day total of refinery fuel gas burned in this emission unit in dscf/yr.) x (HHV heat content of the fuel gas burned in this emission unit, in mmBtu/dscf) x (1/2000)

g. Emission Limitation:

26.6 tons CO per year as a rolling, 365 day average.

Applicable Compliance Method:

Compliance shall be demonstrated by calculating the rolling, 365 day summation of the average quantity of gas usage, in mmscf. The annual quantity of CO discharged per year, in tons shall be calculated as follows:

(average daily lbs CO per mmBtu from CEMS) x (rolling, 365 day total of refinery fuel gas burned in this emission unit in dscf/yr.) x (HHV heat content of the fuel gas burned in this emission unit, in mmBtu/dscf) x (1/2000)

2. The permittee shall perform on-going quality assurance tests for the H2S CEMS as required in section A.III.5 in accordance with the procedures specified in 40 CFR Part 60, Appendix F.

3. The permittee shall conduct annual H2S concentration testing of the refinery fuel gas from the south area fuel drum as required by 40 CFR Part 60.13(c) and section A.III.5 to verify H2S CEMS performance in accordance with the following requirements:

a. The emissions testing shall be conducted using 40 CFR Part 60, Appendix A, Method 11 for the purpose of conducting relative accuracy evaluations.

b. The test shall be conducted while the emissions units associated with the south area fuel drum are operating at greater than 50% of normal load.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an Intent to Test (ITT) Notification to the Canton local air agency. The ITT Notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the tests and the persons who will be conducting the tests. Failure to submit such notification for review and approval prior to the test may result in the refusal to accept the ITT.

Personnel from the Canton local air agency shall be permitted to witness the tests, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test shall be signed by the person or persons responsible for the tests and submitted to the Canton local air agency within 30 days following completion of the tests.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (B015) - Crude Oil Heater(Administrative Modification m1)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05	Limit(s)

2. **Additional Terms and Conditions**

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (B019) - FCC Charge Heater (Administrative Modification m1)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3) (PTI 15-00023)	0.025 pound of sulfur dioxide (SO2) per mmBtu of actual heat input The requirements established pursuant to this rule are equivalent to the requirements of 40 CFR Part 60.104(a)(1), OAC rule 3745-17-10(B)(1), and OAC rule 3745-17-07(A).
40 CFR Part 60.104(a)(1)	See A.I.2.a below.
OAC rule 3745-31-05(D)	21.9 tons NOx per year, based on a rolling 365 day summation of emissions 11.0 tons CO per year, based on a rolling, 365 day summation of emissions 5.4 tons SO2 per year, based on a rolling, 52 week summation of emissions See section A.I.2.b
OAC rule 3745-17-10(B)(1)	0.020 pound of particulates per mmBtu of actual heat input
OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

2. **Additional Terms and Conditions**

2.a The permittee shall not burn any mixture of refinery fuel gas, natural gas and/or landfill gas in this emissions unit that contains hydrogen sulfide (H2S) in excess of 230 mg/dscm (0.10 gr/dscf).

2.b The annual emission limitations for NOx and CO are based on a rolling, 365 day summation of gas flow to the emission unit. This synthetic minor limit was established in this PTI at the request of MAP to restrict these emissions from

this emission unit resulting from modifications to this emission unit and other emission units affected by the modifications. The modifications did not trigger BAT.

2.c The terms and conditions for this emissions unit as specified in this first modification of PTI 15-01639 supercedes all the terms and conditions specified in the original version of PTI 15-01639.

II. Operational Restrictions

1. The permittee shall burn only refinery fuel gas, natural gas and/or landfill gas in this emissions unit. Hereinafter, this mixture of fuel gases shall be referred to as "refinery fuel gas". The sulfur content of the refinery fuel gas burned in this emissions unit shall comply with the allowable SO2 emission limitation specified in section A.I.

2. All refinery fuel gas burned by this emissions unit shall be supplied from the south area fuel drum.

3. The maximum annual heat input rate for this emissions unit shall not exceed 446,760 MMBtu/yr. based on a rolling, 365 day summation of the product of the daily gas usage rates and the corresponding average weekly gas heat content.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall continuously sample and analyze the refinery fuel gas for sulfur content using the H2S CEMS required in section A.III.2 and maintain records of the analytical results.

2. The permittee shall operate and maintain existing equipment to continuously monitor and record the concentrations of H2S in the refinery fuel gas burned in this emissions unit, in units of ppm. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13. The span value for this instrument shall be 425 mg/dscm of H2S.

3. A statement of certification of the existing H2S CEMS shall be maintained on site and shall consist of a letter from the Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 7. Proof of certification shall be made available to representatives of the Canton local air agency upon request.

4. The permittee shall maintain records of all data obtained by the H2S CEMS including, but not limited to, parts per million (ppm) of H2S, ppm of H2S as a rolling, 3-hour average, the results of daily zero/span calibration checks, and the magnitudes of manual calibration adjustments.

5. Within 180 days of the effective date of this permit, the permittee shall develop a written quality assurance/quality control plan for the CEMS that is designed to ensure

continuous valid and representative readings of H2S. The plan shall follow the requirements of 40 CFR Part 60, Appendix F. Records for the monitoring system must be kept on site and available for inspection during regular office hours.

6. The permittee shall collect samples, at least three times per week, of the refinery fuel gas for gas chromatographic analysis. The permittee shall collect refinery fuel gas samples using procedures that will ensure that sample containers are adequately purged prior to sample collection, thereby, ensuring a representative fuel gas sample. The permittee shall maintain a copy of the sampling procedures on site.

7. The permittee shall maintain weekly records of the weekly average actual heating value of the refinery fuel gas as burned in this emissions unit. The actual heating value (H), in Btu per scf, of the refinery fuel gas shall be calculated as follows from the results of a weekly refinery fuel gas compositional analysis using gas chromatography:

   H = summation of (hi x mi)

   mi = the mass fraction of each chemical compound detected in the refinery fuel gas using chromatographic analysis; and

   hi = the higher heating value of each chemical compound detected in the refinery fuel gas, in Btu per pound of chemical, as found in the GPSA manual.

8. The permittee shall use one of the following methods to conduct the compositional analysis of the refinery fuel gas samples:

   ASTM D1945-96
   ASTM D1945-96 (Wasson Modification)
   GPA Method 2261-90

   When using the Wasson Modification of ASTM Method D1945-96, the permittee shall follow, at a minimum, QA/QC requirements specified in ASTM D1945-96. The permittee shall also operate and maintain the Wasson gas chromatographic instrumentation according to the manufacturer's specifications and recommendations. Alternative, equivalent methods may be used upon written approval by the Canton local air agency.

9. The permittee shall maintain weekly records of each calculated, weekly average of the sulfur dioxide emission rate, in pounds per MMBTU, discharged from this emissions unit. The sulfur dioxide emission rate shall be calculated as follows:

   [(Weekly average H2S concentration, in ppmv) x (1 scf H2S/1x10^6 ppmv) x (1 mole H2S/379 scf H2S) x (1 mole S02/mole H2S) x (64 pounds of S02/mole S02)] / (weekly recorded heating value of the refinery fuel gas) = sulfur dioxide mass emission rate.

10. For each day during which the permittee burns a fuel other than refinery fuel gas or natural gas, the permittee shall maintain a record of the type, quantity, sulfur content, in pound of sulfur per mmdscf, and heating value, in Btu/dscf, of the fuel burned.

11. The permittee shall maintain daily records of the quantity of fuel gas burned in this emission unit, in dscf per day and the HHV heat content, in mmBtu per dscf.

12. The permittee shall maintain daily records of the following information:

    a. The gas usage rate for each day;
    b. The rolling, 365 day summation of the product of the gas usage rate and the corresponding average weekly gas heat content.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each weekly average SO2 emission rate, as calculated in section A.III.9, that exceeds the SO2 emission limitation of 0.025 pound of SO2 per mmBtu of actual heat input for the burning of refinery fuel gas.

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

3. The permittee shall submit reports within thirty (30) days following the end of each calendar quarter to the Canton local air agency documenting any H2S CEMS downtime while the emissions unit was on line (date, time, duration, and reason), along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of source and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

4. Pursuant to 40 CFR Parts 60.7 and 60.13(h), the permittee shall submit H2S concentration reports within thirty (30) days following the end of each calendar quarter to the Canton local air agency. These reports shall contain the date, commencement and completion times, and durations of all instances of rolling, 3-hour H2S concentrations in excess of the 0.10 gr/dscf limitation, and the corrective actions taken (if any). If there are no concentrations of H2S in the refinery fuel gas greater than the value specified in section A.I.2.a during the calendar quarter, then the permittee shall submit a statement to that effect.

5. The permittee shall submit annual deviation reports which identify any time this emission unit xceeds the 5.4 tons SO2 per year limits as rolling, 52 week summations.

6. The permittee shall submit deviation reports that identify all exceedances of the rolling, 365 day gas usage rate limitation. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).

V. Testing Requirements

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

   a. Emission Limitation:

   0.025 pound of S02 per mmBtu of actual heat input
   5.4 tons SO2 per year as a rolling, 52 week summation of emissions

   Applicable Compliance Method:

   Compliance with the 1.0 pound of SO2 per mmBtu limit shall be demonstrated by the record keeping requirements specified in sections A.III.1 and A.III.6 through A.III.11.

   If required, the permittee shall demonstrate compliance with the above SO2 emission limitation in accordance with the procedures and methods specified in 40 CFR Part 60, Appendix A, Method 6 or one of its approved modifications and OAC rule 3745-18-04.

   Compliance with the annual limitation shall be demonstrated by calculating the rolling, 52 week summation of the quantity of SO2 discharged from this emissions unit per day, in tons. The average quantity of SO2 discharged per week, in tons shall be calculated as follows:

   (Average weekly lb SO2 per mmBtu from the CEMS calculation) x (total dscf of refinery fuel gas burned in this emission unit in dscf/week) x (HHV heat content of the fuel gas burned in this emission unit, in mmBtu/dscf) x (1/2000)

   b. Emission Limitation:

   0.020 pound of particulates per mmBtu of actual heat input

   Applicable Compliance Method:

   If required, the permittee shall demonstrate compliance with the above particulate emission limitation in accordance with the procedures and methods specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and OAC rule 3745-17-03(B)(10).

   c. Emission Limitation:

   20% opacity as a 6-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the requirements in OAC rule 3745-17-03(B)(1) and the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

d. Emission Limitation:

0.10 gr/dscf of H2S

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.12. If required, the permittee shall demonstrate compliance with the above H2S emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Method 11.

e. Emission Limitation:

21.9 tons NOx per year as a rolling, 365 day summation of emissions

Applicable Compliance Method:

Compliance shall be demonstrated by calculating the rolling, 365 day summation of the product of the daily gas usage, in mmscf, and the corresponding average weekly fuel gas heat content, in MMBtu/mmscf. The annual quantity of NOx discharged per year, in tons shall be calculated as follows:

(0.098 lb NOx per mmBtu) x (rolling, 365 day total heat input to this emission unit in MMBtu/yr.) x (1/2000)

f. Emission Limitation:

11.0 tons CO per year as a rolling, 365 day summation of emissions

Applicable Compliance Method:

Compliance shall be demonstrated by calculating the rolling, 365 day summation of the product of the daily gas usage, in mmscf, and the corresponding average weekly fuel gas heat content, in MMBtu/mmscf. The annual quantity of CO discharged per year, in tons shall be calculated as follows:

(0.045 lb CO per mmBtu) x (rolling, 365 day total heat input to this emission unit in MMBtu/yr.) x (1/2000)

2. The permittee shall perform on-going quality assurance tests for the H2S CEMS as required in section A.III.5 in accordance with the procedures specified in 40 CFR Part 60, Appendix F.

3. The permittee shall conduct annual H2S concentration testing of the refinery fuel gas from the north area fuel drum as required by 40 CFR Part 60.13(c) and section A.III.5 to verify H2S CEMS performance in accordance with the following requirements:

   a. The emissions testing shall be conducted using 40 CFR Part 60, Appendix A, Method 11 for the purpose of conducting relative accuracy evaluations.

   b. The test shall be conducted while the emissions units associated with the north area fuel drum are operating at greater than 50% of normal load.

   Not later than 30 days prior to the proposed test date(s), the permittee shall submit an Intent to Test (ITT) Notification to the Canton local air agency. The ITT Notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the tests and the persons who will be conducting the tests. Failure to submit such notification for review and approval prior to the test may result in the refusal to accept the ITT.

   Personnel from the Canton local air agency shall be permitted to witness the tests, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

   A comprehensive written report on the results of the emissions test shall be signed by the person or persons responsible for the tests and submitted to the Canton local air agency within 30 days following completion of the tests.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (B019) - FCC Charge Heater (Administrative Modification m1)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05	Limit(s)

2. **Additional Terms and Conditions**

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (B020) - Vacuum Unit Heater (Administrative Modification m1)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3) (PTI 15-00023)	0.025 pound of sulfur dioxide (SO2) per mmBtu of actual heat input The requirements established pursuant to this rule are equivalent to the requirements of 40 CFR Part 60.104(a)(1), OAC rule 3745-17-10(B)(1), and OAC rule 3745-17-07(A).
40 CFR Part 60.104(a)(1)	See A.I.2.a below.
OAC rule 3745-31-05(D)	27.5 tons NOx per year, as a rolling , 365 day summation of emissions 13.7 tons CO per year, as a rolling , 365 day summation of emissions 6.8 tons SO2 per year as a rolling, 52 week summation of emissions See section A.I.2.b
OAC rule 3745-17-10(B)(1)	0.020 pound of particulates per mmBtu of actual heat input
OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

2. **Additional Terms and Conditions**

2.a The permittee shall not burn any mixture of refinery fuel gas, natural gas and/or landfill gas in this emissions unit that contains hydrogen sulfide (H2S) in excess of 230 mg/dscm (0.10 gr/dscf).

2.b The annual emission limitations for NOx and CO are based on a rolling, 365 day summation of gas flow to the emission unit. These synthetic minor limits was established in this PTI at the request of MAP to restrict the CO and NOx

emissions from this emission unit resulting from modifications to this emission unit and other emission units affected by the modifications. The modifications did not trigger BAT. The annual SO2 emission limit is also a synthetic minor limit.

2.c The terms and conditions for this emissions unit as specified in this first modification of PTI 15-01639 supercedes all the terms and conditions specified in the original version of PTI 15-01639.

II. Operational Restrictions

1. The permittee shall burn only refinery fuel gas, natural gas and/or landfill gas in this emissions unit. Hereinafter, this mixture of fuel gases shall be referred to as "refinery fuel gas". The sulfur content of the refinery fuel gas burned in this emissions unit shall comply with the allowable SO2 emission limitation specified in section A.I.

2. All refinery fuel gas burned by this emissions unit shall be supplied from the south area fuel drum.

3. The maximum annual heat input rate for this emission unit shall not exceed 560,640 MMBtu based on a rolling, 365 day summation of the product of the daily gas usage rates, in mmdscf/day, and the corresponding average weekly gas hear content, in MMBtu/mmdscf.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall continuously sample and analyze the refinery fuel gas for sulfur content using the H2S CEMS required in section A.III.2 and maintain records of the analytical results.

2. The permittee shall operate and maintain existing equipment to continuously monitor and record the concentrations of H2S in the refinery fuel gas burned in this emissions unit, in units of ppm. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13. The span value for this instrument shall be 425 mg/dscm of H2S.

3. A statement of certification of the existing H2S CEMS shall be maintained on site and shall consist of a letter from the Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 7. Proof of certification shall be made available to representatives of the Canton local air agency upon request.

4. The permittee shall maintain records of all data obtained by the H2S CEMS including, but not limited to, parts per million (ppm) of H2S, ppm of H2S as a rolling, 3-hour average, the results of daily zero/span calibration checks, and the magnitudes of manual calibration adjustments.

5. Within 180 days of the effective date of this permit, the permittee shall develop a written quality assurance/quality control plan for the CEMS that is designed to ensure continuous valid and representative readings of H2S. The plan shall follow the requirements of 40 CFR Part 60, Appendix F. Records for the monitoring system must be kept on site and available for inspection during regular office hours.

6. The permittee shall collect samples, at least three times per week, of the refinery fuel gas for gas chromatographic analysis. The permittee shall collect refinery fuel gas samples using procedures that will ensure that sample containers are adequately purged prior to sample collection, thereby, ensuring a representative fuel gas sample. The permittee shall maintain a copy of the sampling procedures on site.

7. The permittee shall maintain weekly records of the weekly average actual heating value of the refinery fuel gas as burned in this emissions unit. The actual heating value (H), in Btu per scf, of the refinery fuel gas shall be calculated as follows from the results of a weekly refinery fuel gas compositional analysis using gas chromatography:

   H = summation of (hi x mi)

   mi = the mass fraction of each chemical compound detected in the refinery fuel gas using chromatographic analysis; and

   hi = the higher heating value of each chemical compound detected in the refinery fuel gas, in Btu per pound of chemical, as found in the GPSA manual.

8. The permittee shall use one of the following methods to conduct the compositional analysis of the refinery fuel gas samples:

   ASTM D1945-96
   ASTM D1945-96 (Wasson Modification)
   GPA Method 2261-90

   When using the Wasson Modification of ASTM Method D1945-96, the permittee shall follow, at a minimum, QA/QC requirements specified in ASTM D1945-96. The permittee shall also operate and maintain the Wasson gas chromatographic instrumentation according to the manufacturer's specifications and recommendations. Alternative, equivalent methods may be used upon written approval by the Canton local air agency.

9. The permittee shall maintain weekly records of each calculated, weekly average of the sulfur dioxide emission rate, in pounds per MMBTU, discharged from this emissions unit. The sulfur dioxide emission rate shall be calculated as follows:

   [(weekly average H2S concentration, in ppmv) x (1 scf H2S/1x10^6 ppmv) x (1 mole H2S/379 scf H2S) x (1 mole S02/mole H2S) x (64 pounds of S02/mole S02)] / (weekly average recorded heating value of the refinery fuel gas) = sulfur dioxide mass emission rate.

10. For each day during which the permittee burns a fuel other than refinery fuel gas or natural gas, the permittee shall maintain a record of the type, quantity, sulfur content, in pound of sulfur per mmdscf, and heating value, in Btu/dscf, of the fuel burned.

11. The permittee shall maintain daily records of the HHV heat content, in mmBtu per dscf.

12. The permittee shall maintain daily records of the following information:

    a. The gas usage rate for each day;
    b. The rolling, 365 day summation of the product of the gas usage rate(mmdscf/day) and the corresponding average weekly gas heat content, in MMBtu/mmscf.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each rolling, weekly average SO2 emission rate, as calculated in section A.III.9, that exceeds the SO2 emission limitation of 0.025 pound of SO2 per mmBtu of actual heat input for the burning of refinery fuel gas.

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

3. The permittee shall submit reports within thirty (30) days following the end of each calendar quarter to the Canton local air agency documenting any H2S CEMS downtime while the emissions unit was on line (date, time, duration, and reason), along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of source and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

4. Pursuant to 40 CFR Parts 60.7 and 60.13(h), the permittee shall submit H2S concentration reports within thirty (30) days following the end of each calendar quarter to the Canton local air agency. These reports shall contain the date, commencement and completion times, and durations of all instances of rolling, 3-hour H2S concentrations in excess of the 0.10 gr/dscf limitation, and the corrective actions taken (if any). If there are no concentrations of H2S in the refinery fuel gas greater than the value specified in section A.I.2.a during the calendar quarter, then the permittee shall submit a statement to that effect.

5. The permittee shall submit annual deviation reports which identify any time this emission unit exceeds the 6.8 tons SO2 per year limits as rolling 52 week summation.

6. The permittee shall submit deviation reports that identify all exceedances of the rolling, 365 day gas usage rate limitation. These reports are due by the date described in Part I - General Terms and Conditions of this permit under section (A)(1).

V. Testing Requirements

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

   a. Emission Limitation:

   0.025 pound of S02 per mmBtu of actual heat input
   6.8 tons SO2 per year as a rolling, 52 week summation of emissions

   Applicable Compliance Method:

   Compliance with the 0.025 pound of SO2 per mmBtu limit shall be demonstrated by the record keeping requirements specified in sections A.III.1 and A.III.6 through A.III.11.

   If required, the permittee shall demonstrate compliance with the above SO2 emission limitation in accordance with the procedures and methods specified in 40 CFR Part 60, Appendix A, Method 6 or one of its approved modifications and OAC rule 3745-18-04.

   Compliance with the annual limitation shall be demonstrated by calculating the rolling, 52 week summation of the quantity of SO2 discharged from this emissions unit per week, in tons. The average quantity of SO2 discharged per week, in tons shall be calculated as follows:

   (Average weekly lb SO2 per mmBtu from the CEMS calculation) x (total dscf of refinery fuel gas burned in this emission unit in dscf/week) x (HHV heat content of the fuel gas burned in this emission unit, in mmBtu/dscf) x (1/2000)

   b. Emission Limitation:

   0.020 pound of particulates per mmBtu of actual heat input

   Applicable Compliance Method:

   If required, the permittee shall demonstrate compliance with the above particulate emission limitation in accordance with the procedures and methods specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and OAC rule 3745-17-03(B)(10).

   c. Emission Limitation:

   20% opacity as a 6-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the requirements in OAC rule 3745-17-03(B)(1) and the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

d. Emission Limitation:

0.10 gr/dscf of H2S

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.12. If required, the permittee shall demonstrate compliance with the above H2S emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Method 11.

e. Emission Limitation:

27.5 tons NOx per year as a rolling, 365 day summation of emissions

Applicable Compliance Method:

Compliance shall be demonstrated by calculating the rolling, 365 day summation of the product of the daily gas usage, in mmscf, and the corresponding average weekly fuel gas heat content, in MMBtu/dscf. The annual quantity of NOx discharged per year, in tons shall be calculated as follows:

(0.098 lb NOx per mmBtu) x (rolling, 365 day total heat input to this emissions unit, in MMBtu/yr.) x (1/2000)

f. Emission Limitation:

13.7 tons CO per year as a rolling, 365 day summation of emissions

Applicable Compliance Method:

Compliance shall be demonstrated by calculating the rolling, 365 day summation of the product of the daily gas usage, in mmscf, and the corresponding average weekly fuel gas heat content, in MMBtu/dscf. The annual quantity of CO discharged per year, in tons shall be calculated as follows:

(0.045 lb CO per mmBtu) x (rolling, 365 day total of refinery fuel gas burned in this emission unit in dscf/yr.) x (1/2000)

2. The permittee shall perform on-going quality assurance tests for the H2S CEMS as required in section A.III.5 in accordance with the procedures specified in 40 CFR Part 60, Appendix F.

3. The permittee shall conduct annual H2S concentration testing of the refinery fuel gas from the north area fuel drum as required by 40 CFR Part 60.13(c) and section A.III.5 to verify H2S CEMS performance in accordance with the following requirements:

   a. The emissions testing shall be conducted using 40 CFR Part 60, Appendix A, Method 11 for the purpose of conducting relative accuracy evaluations.

   b. The test shall be conducted while the emissions units associated with the north area fuel drum are operating at greater than 50% of normal load.

   Not later than 30 days prior to the proposed test date(s), the permittee shall submit an Intent to Test (ITT) Notification to the Canton local air agency. The ITT Notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the tests and the persons who will be conducting the tests. Failure to submit such notification for review and approval prior to the test may result in the refusal to accept the ITT.

   Personnel from the Canton local air agency shall be permitted to witness the tests, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

   A comprehensive written report on the results of the emissions test shall be signed by the person or persons responsible for the tests and submitted to the Canton local air agency within 30 days following completion of the tests.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (B020) - Vacuum Unit Heater (Administrative Modification m1)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05	Limit(s)

2. **Additional Terms and Conditions**

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (B029) - CCR Charge Heater (Admistrative Modification m1). This emissions unit is a CCR charge heater with a maximum heat input of 313 mmBTU/hr. It is fired with refinery fuel gas, antural gas, and/or landfill gas. It is designated as 4-33-B-1/2/3/4.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	0.025 pound of sulfur dioxide (SO2) per mmBtu of actual heat input 0.05 lb NOx per mmBtu(HHV) The requirements established pursuant to this rule are equivalent to the requirements of 40 CFR Part 60.104(a)(1), OAC rule 3745-17-10(B)(1), and OAC rule 3745-17-07(A). See section A.I.2.b
40 CFR Part 60.104(a)(1)	See A.I.2.a below
OAC rule 3745-17-10(B)(1)	0.020 pound of particulates per mmBtu of actual heat input
OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

2. **Additional Terms and Conditions**

2.a The permittee shall not burn any mixture of refinery fuel gas, natural gas and/or landfill gas in this emissions unit that contains hydrogen sulfide (H2S) in excess of 230 mg/dscm (0.10 gr/dscf).

2.b The 0.05 lb NOx per mmBtu(HHV) limit was established as part of a Global Settlement Agreement dated August 28, 2001 between MAP and the United States of America(Civil No. 01-40119).

2.c The terms and conditions for this emissions unit as specified in this first modification of PTI 15-01639 supercedes all the terms and conditions specified in the original version of PTI 15-01639.

II. Operational Restrictions

1. The permittee shall burn only refinery fuel gas, natural gas and/or landfill gas in this emissions unit. Hereinafter, this mixture of fuel gases shall be referred to as "refinery fuel gas". The sulfur content of the refinery fuel gas burned in this emissions unit shall comply with the allowable SO2 emission limitation specified in section A.I.

2. All refinery fuel gas burned by this emissions unit shall be supplied from the north area fuel drum.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall continuously sample and analyze the refinery fuel gas for sulfur content using the H2S CEMS required in section A.III.2 and maintain records of the analytical results.

2. The permittee shall operate and maintain existing equipment to continuously monitor and record the concentrations of H2S in the refinery fuel gas burned in this emissions unit, in units of ppm. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13. The span value for this instrument shall be 425 mg/dscm of H2S.

3. A statement of certification of the existing H2S CEMS shall be maintained on site and shall consist of a letter from the Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 7. Proof of certification shall be made available to representatives of the Canton local air agency upon request.

4. The permittee shall maintain records of all data obtained by the H2S CEMS including, but not limited to, parts per million (ppm) of H2S, ppm of H2S as a rolling, 3-hour average, the results of daily zero/span calibration checks, and the magnitudes of manual calibration adjustments.

5. Within 180 days of the effective date of this permit, the permittee shall develop a written quality assurance/quality control plan for the CEMS that is designed to ensure continuous valid and representative readings of H2S. The plan shall follow the requirements of 40 CFR Part 60, Appendix F. Records for the monitoring system must be kept on site and available for inspection during regular office hours.

6. The permittee shall collect samples, at least three times per week, of the refinery fuel gas for gas chromatographic analysis. The permittee shall collect refinery fuel gas samples using procedures that will ensure that sample containers are adequately purged prior to sample collection, thereby, ensuring a representative fuel gas sample. The permittee shall maintain a copy of the sampling procedures on site.

7. The permittee shall maintain weekly records of the weekly average actual heating value of the refinery fuel gas as burned in this emissions unit. The actual heating value (H), in Btu per scf, of the refinery fuel gas shall be calculated as follows from the results of a weekly refinery fuel gas compositional analysis using gas chromatography:

   H = summation of (hi x mi)

   mi = the mass fraction of each chemical compound detected in the refinery fuel gas using chromatographic analysis; and

   hi = the higher heating value of each chemical compound detected in the refinery fuel gas, in Btu per pound of chemical, as found in the GPSA manual.

8. The permittee shall use one of the following methods to conduct the compositional analysis of the refinery fuel gas samples:

   ASTM D1945-96
   ASTM D1945-96 (Wasson Modification)
   GPA Method 2261-90

   When using the Wasson Modification of ASTM Method D1945-96, the permittee shall follow, at a minimum, QA/QC requirements specified in ASTM D1945-96. The permittee shall also operate and maintain the Wasson gas chromatographic instrumentation according to the manufacturer's specifications and recommendations. Alternative, equivalent methods may be used upon written approval by the Canton local air agency.

9. The permittee shall maintain weekly records of each calculated, weekly average of the sulfur dioxide emission rate, in pounds per MMBTU, discharged from this emissions unit. The sulfur dioxide emission rate shall be calculated as follows:

   [(Weekly average H2S concentration, in ppmv) x (1 scf H2S/1x10^6 ppmv) x (1 mole H2S/379 scf H2S) x (1 mole S02/mole H2S) x (64 pounds of S02/mole S02)] / (Weekly average recorded heating value of the refinery fuel gas) = sulfur dioxide mass emission rate.

10. For each day during which the permittee burns a fuel other than refinery fuel gas or natural gas, the permittee shall maintain a record of the type, quantity, sulfur content, in pound of sulfur per mmdscf, and heating value, in Btu/dscf, of the fuel burned.

11. The permittee shall maintain daily records of the quantity of fuel gas burned in this emission unit, in dscf per day and the HHV heat content, in mmBtu per dscf.

12. A statement of certification of the existing continuous NOx monitoring system shall be maintained on site and shall consist of a letter from the Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 6 and 40 CFR Part 60, Appendix F, Procedure

1. Proof of certification shall be made available to the Director of Ohio EPA or the local air agency upon request.

The permittee shall operate and maintain existing equipment to continuously monitor and record NOx from this emissions unit in units of ppmv, on a dry basis and in pounds NOx per mmBtu. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

The permittee shall maintain records of all data obtained by the continuous NOx monitoring system including, but not limited to, parts per million NOx on an instantaneous(one-minute) basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each weekly average SO2 emission rate, as calculated in section A.III.9, that exceeds the SO2 emission limitation of 0.025 pound of SO2 per mmBtu of actual heat input for the burning of refinery fuel gas.

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

3. The permittee shall submit reports within thirty (30) days following the end of each calendar quarter to the Canton local air agency documenting any H2S CEMS downtime while the emissions unit was on line (date, time, duration, and reason), along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of source and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

4. Pursuant to 40 CFR Parts 60.7 and 60.13(h), the permittee shall submit H2S concentration reports within thirty (30) days following the end of each calendar quarter to the Canton local air agency. These reports shall contain the date, commencement and completion times, and durations of all instances of rolling, 3-hour H2S concentrations in excess of the 0.10 gr/dscf limitation, and the corrective actions taken (if any). If there are no concentrations of H2S in the refinery fuel gas greater than the value specified in section A.I.2.a during the calendar quarter, then the permittee shall submit a statement to that effect.

5. Pursuant to 40 CFR Parts 60.7 and 60.13(h), the permittee shall submit reports within 30 days following the end of each calendar quarter to the Canton local air agency documenting all instances of NOx values in excess of the limitations specified in section A.I.1 detailing the date, commencement and completion times, duration, magnitude, reason (if known), and corrective actions taken (if any).

The permittee shall submit reports within 30 days following the end of each calendar quarter to the Canton local air agency documenting any continuous NOx monitoring system downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly reports.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit, control equipment, and/or monitoring systems malfunctions. The total operating time of the emissions was on line also shall be included in the quarterly report. The quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

The permittee shall submit a summary of the excess emission report pursuant to 40 CFR Part 60.7. The summary shall be submitted to the Canton local air agency within 30 days following the end of each calendar quarter in a manner prescribed by the Canton local air agency.

V. Testing Requirements

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

   a. Emission Limitation:

      0.025 pound of S02 per mmBtu of actual heat input

      Applicable Compliance Method:

      Compliance shall be demonstrated by the record keeping requirements specified in sections A.III.1 and A.III.6 through A.III.11.

      If required, the permittee shall demonstrate compliance with the above SO2 emission limitation in accordance with the procedures and methods specified in 40 CFR Part 60, Appendix A, Method 6 or one of its approved modifications and OAC rule 3745-18-04.

   b. Emission Limitation:

      0.020 pound of particulates per mmBtu of actual heat input

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the above particulate emission limitation in accordance with the procedures and methods specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and OAC rule 3745-17-03(B)(10).

c. Emission Limitation:

20% opacity as a 6-minute average, except as provided by rule

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the requirements in OAC rule 3745-17-03(B)(1) and the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

d. Emission Limitation:

0.10 gr/dscf of H2S

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.12. If required, the permittee shall demonstrate compliance with the above H2S emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Method 11.

e. Emission Limitation:

0.05 lb NOx per mmBtu(HHV)

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in section A.III.12. If required, the permittee shall demonstrate compliance with the above NOx emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Method 7.

2. The permittee shall perform on-going quality assurance tests for the H2S CEMS as required in section A.III.5 in accordance with the procedures specified in 40 CFR Part 60, Appendix F.

3. The permittee shall conduct annual H2S concentration testing of the refinery fuel gas from the north area fuel drum as required by 40 CFR Part 60.13(c) and section A.III.5 to verify H2S CEMS performance in accordance with the following requirements:

   a. The emissions testing shall be conducted using 40 CFR Part 60, Appendix A, Method 11 for the purpose of conducting relative accuracy evaluations.

   b. The test shall be conducted while the emissions units associated with the north area fuel drum are operating at greater than 50% of normal load.

   Not later than 30 days prior to the proposed test date(s), the permittee shall submit an Intent to Test (ITT) Notification to the Canton local air agency. The ITT Notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the tests and the persons who will be conducting the tests. Failure to submit such notification for review and approval prior to the test may result in the refusal to accept the ITT.

   Personnel from the Canton local air agency shall be permitted to witness the tests, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

   A comprehensive written report on the results of the emissions test shall be signed by the person or persons responsible for the tests and submitted to the Canton local air agency within 30 days following completion of the tests.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (B029) - CCR Charge Heater (Admistrative Modification m1)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05	Limit(s)

2. **Additional Terms and Conditions**

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None