



## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 N. Senate Avenue • Indianapolis, IN 46204  
(800) 451-6027 • (317) 232-8603 • Fax (317) 233-6647 • [www.idem.IN.gov](http://www.idem.IN.gov)

**Mike Braun**  
Governor

**Clint Woods**  
Commissioner

To: Interested Parties

Date: September 25, 2026

From: Jenny Acker, Chief  
Permits Branch  
Office of Air Quality

Source Name: CountryMark Refining and Logistics LLC

Permit Level: Title V – Significant Source Modification (Minor PSD/EO)

Permit Number: 129-50133-00003

Source Location: 1200 Refinery Road Mount Vernon, IN 47620

Type of Action Taken: Modification at an existing source

### Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the matter referenced above.

The final decision is available on the IDEM website at: <https://www.in.gov/apps/idem/caats/>. To view the document, choose Search Option by **Permit Number**, then enter permit 50133

The final decision is also available via IDEM's Virtual File Cabinet (VFC) located at <https://www.in.gov/idem/legal/public-records/virtual-file-cabinet/>. Click on the Virtual File Cabinet button. Click on the "Search" dropdown menu in the upper left corner and select "OAQ Permit" from the list of options. Select "Public" in the "Security group" dropdown menu. Type the five-digit permit number 50133 in the Permit # search field, select "Final" in the "Permit Type" dropdown menu, then click the search button at the top or bottom of the webpage. The search will return the final issued permit and any applicable mailing list.

*(continues on next page)*



If you would like to request a paper copy of the permit document, please contact IDEM's Office of Records Management:

IDEM - Office of Records Management  
Indiana Government Center North  
100 North Senate Avenue  
Indianapolis, IN 46204-2251  
Phone: (317) 232-8667  
Fax: (317) 233-6647  
Email: [IDEMFILEROOM@idem.in.gov](mailto:IDEMFILEROOM@idem.in.gov)

Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Indiana Office of Administrative Law Proceedings, 100 N. Senate Avenue Suite N802, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Indiana Office of Administrative Law Proceedings (OALP) or;
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OALP by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OALP by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.



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**Mike Braun**  
Governor

**Clint Woods**  
Commissioner

September 25, 2026

Jim Pankey  
Countrymark Refining and Logistics, LLC  
401 Southwind Plaza  
Mount Vernon, IN 47620

Re: 129-50133-00003  
Significant Source Modification

Dear Jim Pankey:

Countrymark Refining and Logistics, LLC was issued Part 70 Operating Permit Renewal No. T129-48558-00003 on December 8, 2025 for a stationary petroleum refinery located at 1200 Refinery Road, Mount Vernon, Indiana 47620. An application to modify the source was received on March 5, 2026. Pursuant to the provisions of 326 IAC 2-7-10.5, a Significant Source Modification is hereby approved as described in the attached Technical Support Document.

The following construction conditions are applicable to the proposed modification:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

Effective Date of the Permit

3. Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

Commenced Construction

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(j), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Approval to Construct

6. Pursuant to 326 IAC 2-7-10.5(h)(2), this Significant Source Modification authorizes the construction of the new emission unit(s), when the Significant Source Modification has been issued.



Pursuant to 326 IAC 2-7-10.5(m), the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions.

Pursuant to 326 IAC 2-7-12, operation of the new emission unit(s) is not approved until the Significant Permit Modification has been issued. Operating conditions shall be incorporated into the Part 70 Operating Permit as a Significant Permit Modification in accordance with 326 IAC 2-7-10.5(m)(2) and 326 IAC 2-7-12 (Permit Modification).

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. A copy of the application and permit is also available via IDEM's Virtual File Cabinet (VFC) located at <https://www.in.gov/idem/legal/public-records/virtual-file-cabinet/>. Once you have accessed VFC, you will then have the option to search for source related documents using a variety of criteria. To find documents related to this air permit, click on "Advanced Search", specify "OAQ" in the Program search field, specify the five-digit permit number "50133" in the Permit # search field, then click the Search button at the top or bottom of the webpage.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <https://www.in.gov/idem/airpermit/public-participation/>; and the Citizens' Guide to IDEM on the Internet at: <https://www.in.gov/idem/resources/citizens-guide-to-idem/>.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

If you have any questions regarding this matter, please contact Mykhail Helm, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, Indiana Government Center North, 100 North Senate Avenue, Room 13W, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-1243 or (800) 451-6027, and ask for Mykhail Helm or (317) 454-1445.

Sincerely,



Brian Williams, Section Chief  
Permits Branch  
Office of Air Quality

Attachments: Significant Source Modification and Technical Support Document

cc: File - Posey County  
Posey County Health Department  
U.S. EPA, Region 5  
Compliance and Enforcement Branch  
IDEM Southwest Regional Office



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## Significant Source Modification to a Part 70 Source

### OFFICE OF AIR QUALITY

**CountryMark Refining and Logistics, LLC**  
**1200 Refinery Road**  
**Mount Vernon, Indiana 47620**

(herein known as the Permittee) is hereby authorized to construct subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

This permit also addresses certain new source review requirements for new and/or existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

Significant Source Modification No.: 129-50133-00003

Master Agency Interest ID.: 12776

Issued by:

*Brian Williams*  
Brian Williams, Section Chief  
Permits Branch  
Office of Air Quality

Issuance Date: September 25, 2026

Visit [on.IN.gov/survey](http://on.IN.gov/survey) or scan the QR code to provide feedback.

*We appreciate your input!*



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## SECTION A

## SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(20)]

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The Permittee owns and operates a stationary petroleum refinery.

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| Source Address:              | 1200 Refinery Road, Mount Vernon, Indiana 47620 |
| General Source Phone Number: | (812) 838-8133                                  |
| SIC Code:                    | 2911 (Petroleum Refining)                       |
| County Location:             | Posey                                           |
| Source Location Status:      | Attainment for all criteria pollutants          |
| Source Status:               | Part 70 Operating Permit Program                |
|                              | Major Source, under PSD Rules                   |
|                              | Major Source, Section 112 of the Clean Air Act  |
|                              | 1 of 28 Source Categories                       |

### A.2 Part 70 Source Definition [326 IAC 2-7-1(20)]

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This source definition for this source is incorporated into this permit as follows:

This petroleum refinery and marine vessel loading and unloading river dock terminal consists of two (2) plants:

- (a) Plant 1 is located at 1200 Refinery Road, Mount Vernon, Indiana 47620; and
- (b) Plant 2 is located at South Mann St. and West Ohio St., Mount Vernon, IN 47620.

However, these plants are located on one or more adjacent properties, have the same two digit SIC code and a support relationship, and are still under common ownership, therefore they are considered one (1) major source, as defined by 326 IAC 2-7-1(20).

A Part 70 Operating permits will be issued to CountryMark Refining and Logistics, LLC (129-00003). A separate Administrative Part 70 permit will be issued to CountryMark Cooperative, LLP (129-00037), solely for administrative purposes. This conclusion was initially determined under Significant Permit Modification (129-17940-00003), issued on November 24, 2003.

### A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

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This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) Truck loading rack, with a maximum capacity of 60,000 gallons of submerged loading of gasoline, kerosene or distillate oil per hour, installed in 1958, identified as Loading Rack, and exhausting to stack 65; controlled by the Loading Rack Flare, equipped with a 0.09 million British Thermal Units per hour (MMBtu/hr) natural gas fired pilot and designed to handle 160 actual cubic feet per minute (acfm) of hydrocarbon vapors, installed in 1998, and exhausting to stack 1D.

Under 40 CFR 63, Subpart R, this facility is considered an existing bulk gasoline terminal.

- (b) One (1) Fluidized Catalytic Cracking Unit (FCCU), constructed in 1950, modified in 2016,

2019, and approved in 2024 for modification, identified as Unit ID 500, with an average throughput rate of 385 barrels fresh feed per hour. The FCCU includes the following emission sources:

- (1) One (1) Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, identified as 500-H101, with a maximum heat input rate of 19.5 MMBtu/hr, combusting refinery fuel gas only (no sour water stripper overhead off-gas combustion), installed in 2019 for construction, and approved in 2024 for modification, equipped with low NOx burners, and exhausting to stack 9.

Under 40 CFR 60, Subpart Ja, the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, is considered an affected facility by the Consent Decree for SO<sub>2</sub>.

Under 40 CFR 63, Subpart DDDDD the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater is considered an affected facility.

- (2) One (1) FCCU regenerator, identified as 500V-5 with an average throughput rate of 385 barrels fresh feed per hour, installed in 1950, modified in 2016, and approved in 2024 for modification, controlled by an internal cyclone and electrostatic precipitator (500-ESP-101) and exhausting to stack 10.

Under 40 CFR 63, Subpart UUU, process vents on the FCCU are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart J, the 500V-5 is considered an affected facility by the Consent Decree for particulate matter, and an affected facility under 40 CFR 60, Subpart Ja for NO<sub>x</sub>, SO<sub>2</sub>, and CO.

- (3) Leaks from process equipment, including pumps, pressure relief devices, sampling connection systems, open-ended valves or lines, and instrumentation and heat exchange systems.

(c) The following storage vessels:

| Tank ID | Tank Description       | Max. Capacity (gallons) | Max. Withdrawal Rate (gal/hr) | Material Stored                                                   | Construction Date | NSPS and NESHAP applicability                        | Stack ID |
|---------|------------------------|-------------------------|-------------------------------|-------------------------------------------------------------------|-------------------|------------------------------------------------------|----------|
| 2       | fixed roof cone tank   | 404,502                 | 168,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 1940              | 40 CFR 63, Subpart CC                                | 076;     |
| 3       | fixed roof cone tank   | 404,334                 | 168,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 1940              | 40 CFR 63, Subpart CC                                | 077;     |
| 5       | fixed roof cone tank   | 120,456                 | 168,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 1940              | 40 CFR 63, Subpart CC                                | 019;     |
| 6       | internal floating roof | 126,000                 | 14,400                        | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 2023              | 40 CFR Part 60, Subpart Kb and 40 CFR 63, Subpart CC |          |

| Tank ID | Tank Description                                                         | Max. Capacity (gallons) | Max. Withdrawal Rate (gal/hr) | Material Stored                                                   | Construction Date | NSPS and NESHAP applicability                        | Stack ID |
|---------|--------------------------------------------------------------------------|-------------------------|-------------------------------|-------------------------------------------------------------------|-------------------|------------------------------------------------------|----------|
| 7       | fixed roof cone tank                                                     | 126,000                 | 168,000                       | Water                                                             | 2024              |                                                      |          |
| 8       | fixed roof cone tank                                                     | 126,000                 | 168,000                       | Water                                                             | 2024              |                                                      |          |
| 9       | fixed roof cone tank                                                     | 204,204                 | 168,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 1940              | 40 CFR 63, Subpart CC                                | 023;     |
| 10      | fixed roof cone tank                                                     | 121,590                 | 168,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 1940              | 40 CFR 63, Subpart CC                                | 024;     |
| 11A     | fixed roof cone tank                                                     | 8,820                   | 168,000                       | oil water / mixture                                               | 1972              | 40 CFR 63, Subpart CC                                | 080;     |
| 11B     | fixed roof cone tank                                                     | 8,820                   | 168,000                       | oil water / mixture                                               | 1972              | 40 CFR 63, Subpart CC                                | 081;     |
| 12      | fixed roof cone tank                                                     | 6,090                   | 168,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 1988              | 40 CFR 63, Subpart CC                                | 082;     |
| 15      | fixed roof cone tank                                                     | 24,654                  | 168,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 1941              | 40 CFR 63, Subpart CC                                | 083;     |
| 18      | internal floating roof tank/mechanical primary seal                      | 1,052,013               | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 2003              | 40 CFR Part 60, Subpart Kb and 40 CFR 63, Subpart CC | 037;     |
| 19      | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 616,938                 | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 1941              | 40 CFR 63, Subpart CC                                | 032;     |
| 21      | fixed roof cone tank                                                     | 1,002,750               | 336,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 1941              | 40 CFR 63, Subpart CC                                | 034;     |
| 22A     | fixed roof cone tank                                                     | 1,050,000               | 84,000                        | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 2003              | 40 CFR 63, Subpart CC                                | 120;     |
| 22B     | fixed roof cone tank/insulated/ heated cone tank                         | 1,050,000               | 16,800                        | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 2006              | 40 CFR 63, Subpart CC                                | 127;     |

| Tank ID | Tank Description                                                         | Max. Capacity (gallons) | Max. Withdrawal Rate (gal/hr) | Material Stored                                                                | Construction Date | NSPS and NESHAP applicability                        | Stack ID |
|---------|--------------------------------------------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------------------|-------------------|------------------------------------------------------|----------|
| 24      | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 588,714                 | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi              | 1985              | 40 CFR Part 60, Subpart Kb and 40 CFR 63, Subpart CC | 037;     |
| 25      | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 656,614                 | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi              | 1941              | 40 CFR 63, Subpart CC                                | 038;     |
| 26      | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 1,006,068               | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi              | 1941              | 40 CFR 63, Subpart CC                                | 039;     |
| 30      | fixed roof cone tank                                                     | 2,268,000               | 147,000                       | distillate fuel blend stock with maximum true vapor pressure less than 1.5 psi | 2017              | 40 CFR 63, Subpart CC                                | 137;     |
| 33      | fixed roof cone tank                                                     | 2,262,960               | 168,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi                 | 1946              | 40 CFR 63, Subpart CC                                | 085;     |
| 34      | fixed roof cone tank                                                     | 984,480                 | 168,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi                 | 1946              | 40 CFR 63, Subpart CC                                | 045;     |
| 36      | fixed roof cone tank                                                     | 2,261,954               | 336,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi                 | 1946              | 40 CFR 63, Subpart CC                                | 047;     |
| 37      | fixed roof cone tank                                                     | 2,247,126               | 210,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi                 | 1946              | 40 CFR 63, Subpart CC                                | 048;     |
| 38      | fixed roof cone tank                                                     | 2,248,386               | 210,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi                 | 1948              | 40 CFR 63, Subpart CC                                | 049;     |
| 39      | fixed roof cone tank                                                     | 2,250,234               | 168,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi                 | 1948              | 40 CFR 63, Subpart CC                                | 050;     |
| 40      | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 2,222,388               | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi              | 1949              | 40 CFR 63, Subpart CC                                | 051;     |

| Tank ID | Tank Description                                                         | Max. Capacity (gallons) | Max. Withdrawal Rate (gal/hr) | Material Stored                                                   | Construction Date   | NSPS and NESHAP applicability                        | Stack ID |
|---------|--------------------------------------------------------------------------|-------------------------|-------------------------------|-------------------------------------------------------------------|---------------------|------------------------------------------------------|----------|
| 41      | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 2,204,244               | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 1949                | 40 CFR 63, Subpart CC                                | 052;     |
| 42      | fixed roof cone tank                                                     | 2,261,574               | 168,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 1950                | 40 CFR 63, Subpart CC                                | 053;     |
| 43      | fixed roof cone tank                                                     | 2,254,098               | 168,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 1951                | 40 CFR 63, Subpart CC                                | 054;     |
| 44      | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 2,310,000               | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 1951                | 40 CFR 63, Subpart CC                                | 055;     |
| 45      | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 2,310,000               | 336,000                       | naphtha                                                           | 2022                | 40 CFR 60, Subpart Kb<br>40 CFR 63, Subpart CC       | 056;     |
| 46      | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 3,159,366               | 168,000                       | crude oil with maximum true vapor pressure greater than 1.5 psi   | 1955, modified 2017 | 40 CFR Part 60, Subpart Kb and 40 CFR 63, Subpart CC | 057;     |
| 47      | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 4,610,550               | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 1976                | 40 CFR Part 60, Subpart K and 40 CFR 63, Subpart CC  | 058;     |
| 48      | external floating roof tank/mechanical primary seal                      | 4,032,000               | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 1958                | 40 CFR 63, Subpart CC                                | 059;     |
| 49      | external floating roof tank/mechanical primary seal                      | 4,032,000               | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 1958                | 40 CFR 63, Subpart CC                                | 060;     |
| 50      | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 3,934,266               | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 1965                | 40 CFR 63, Subpart CC                                | 061;     |
| 51      | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 3,937,266               | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 1973                | 40 CFR 63, Subpart CC                                | 062;     |

| Tank ID | Tank Description     | Max. Capacity (gallons) | Max. Withdrawal Rate (gal/hr) | Material Stored                                                   | Construction Date | NSPS and NESHAP applicability                       | Stack ID |
|---------|----------------------|-------------------------|-------------------------------|-------------------------------------------------------------------|-------------------|-----------------------------------------------------|----------|
| 52      | fixed roof cone tank | 3,935,148               | 336,000                       | hydrocarbon with maximum true vapor pressure less than 1.5 psi    | 1976              | 40 CFR Part 60, Subpart K and 40 CFR 63, Subpart CC | 063;     |
| 53      | fixed roof cone tank | 16,926                  | 168,000                       | Ethanol,                                                          | 1985              | 40 CFR 63, Subpart CC                               | 086;     |
| 54      | fixed roof cone tank | 16,926                  | 168,000                       | Ethanol,                                                          | 1985              | 40 CFR 63, Subpart CC                               | 087;     |
| 55      | fixed roof cone tank | 11,634                  | 168,000                       | Ethanol,                                                          | 1980              | 40 CFR 63, Subpart CC                               | 088;     |
| 56      | fixed roof cone tank | 11,634                  | 168,000                       | Ethanol,                                                          | 1980              | 40 CFR 63, Subpart CC                               | 089;     |
| 159     | fixed roof cone tank | 16,800                  | 168,000                       | hydrocarbon with maximum true greater than 1.5 psi                | 1988              | 40 CFR 63, Subpart CC                               | 103;     |
| 160     | fixed roof cone tank | 16,800                  | 168,000                       | hydrocarbon with maximum true greater than 1.5 psi                | 1994              | 40 CFR 63, Subpart CC                               | 104;     |
| 161     | fixed roof cone tank | 16,800                  | 168,000                       | hydrocarbon with maximum true greater than 1.5 psi                | 1994              | 40 CFR 63, Subpart CC                               | 105;     |
| 162     | fixed roof cone tank | 16,800                  | 168,000                       | hydrocarbon with maximum true greater than 1.5 psi                | 1994              | 40 CFR 63, Subpart CC                               | 106;     |
| 163     | fixed roof cone tank | 16,800                  | 168,000                       | hydrocarbon with maximum true greater than 1.5 psi                | 1983              | 40 CFR 63, Subpart CC                               | 107;     |
| 164     | fixed roof cone tank | 16,800                  | 168,000                       | hydrocarbon with maximum true greater than 1.5 psi                | 1983              | 40 CFR 63, Subpart CC                               | 108;     |
| 165     | fixed roof cone tank | 16,800                  | 168,000                       | hydrocarbon with maximum true greater than 1.5 psi                | 1985              | 40 CFR 63, Subpart CC                               | 109;     |
| 166     | fixed roof cone tank | 16,800                  | 168,000                       | hydrocarbon with maximum true greater than 1.5 psi                | 1985              | 40 CFR 63, Subpart CC                               | 110;     |
| 167     | fixed roof cone tank | 16,800                  | 168,000                       | hydrocarbon with maximum true greater than 1.5 psi                | 1985              | 40 CFR 63, Subpart CC                               | 111;     |
| 168     | fixed roof cone tank | 16,800                  | 168,000                       | hydrocarbon with maximum true greater than 1.5 psi                | 1988              | 40 CFR 63, Subpart CC                               | 112;     |
| 169     | fixed roof cone tank | 16,800                  | 168,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 1989              | 40 CFR 63, Subpart CC                               | 113;     |

| Tank ID    | Tank Description                                                         | Max. Capacity (gallons) | Max. Withdrawal Rate (gal/hr) | Material Stored                                                                                         | Construction Date | NSPS and NESHAP applicability                  | Stack ID |
|------------|--------------------------------------------------------------------------|-------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------|----------|
| 125        | fixed roof cone tank/internal floating roof                              | 157,000                 | 6,000                         | hydrocarbon with maximum true vapor pressure less than 1.5 psi                                          | 2005              | 40 CFR 63, Subpart CC                          | 015;     |
| 173        | fixed roof cone tank/insulated/ heated cone tank                         | 1,050,000               | 16,800                        | Residual Fuel Oil (No.6) or Petroleum Material with a vapor pressure equivalent to or less than 1.5 psi | 2006              | 40 CFR 63, Subpart CC                          | 128;     |
| 1000 TK 17 | fixed roof cone tank                                                     | 1,806,000               | 147,000                       | Distillate fuel blend/Gas oil                                                                           | 2015              | 40 CFR 63, Subpart CC                          | 133      |
| T60        | Fixed roof cone tank                                                     | 420,000                 | 3500                          | <b>Soybean Oil/Hydrocarbon with maximum true vapor pressure less than 1.5 psi</b>                       | 2024              | 40 CFR 63, Subpart CC                          | 134      |
| 61         | Fixed roof cone tank/internal floating roof tank/mechanical primary seal | 4,200,000               | 168.000                       | Hydrocarbon with maximum true vapor pressure greater than 1.5 psi                                       | 2024              | 40 CFR 60, Subpart Kb<br>40 CFR 63, Subpart CC | 135      |

- (d) One (1) Main Refinery Flare, identified as 700-V101 with a maximum heat input rate of 371 MMBtu/hr of refinery fuel gas/process gas in emergency cases (with capacity for a supplementary pilot fuel heat input rate of 3.0 MMBtu/hr), installed in 1945 and replaced in 2006 and exhausting to stack 118.

Under 40 CFR 60, Subpart Ja, the Main Refinery Flare is considered an affected facility by the Consent Decree.

- (e) One (1) Crude heater, identified as 200-H2, with a maximum heat input rate of 131 MMBtu/hr, combusting refinery fuel gas, installed in 1955, and permitted in 2021 to replace the existing burners with low NOx burners, air preheater, and induced draft (ID) fan motor, and approved in 2024 for modification, and exhausting to stack 1.

Under 40 CFR 60, Subpart J, the Crude heater, is considered an affected facility by the Consent Decree.

Under 40 CFR 63, Subpart DDDDD the Crude heater is considered an affected facility

- (f) One (1) Unifiner heater, identified as 400-H5, with a maximum heat input rate of 32.24 MMBtu/hr, combusting refinery fuel gas, modified in 2019, and approved in 2024 for modification equipped with low NOx burners, and exhausting to stack 2.

Under 40 CFR 60, Subpart Ja, the Unifiner heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Unifiner heater is considered an affected facility.

- (g) Reserved

- (h) Reserved

- (i) One (1) Vacuum heater, identified as 200-H4, with a maximum heat input rate of 19.5 MMBtu/hr, combusting refinery fuel gas, installed in 1950, modified in 2007, and approved in 2024 for modification, and exhausting to stack 5.

Under 40 CFR 60, Subpart J, the vacuum heater, is considered an affected facility by the Consent Decree.

- (j) One (1) Old Platformer heater, identified as Naphtha Splitter Reboiler 900-H2, with a maximum heat input rate of 38.5 MMBtu/hr, combusting refinery fuel gas, installed in 1956, and approved in 2024 for modification, and exhausting to stack 6.

Under 40 CFR 60, Subpart J, the Naphtha Splitter Reboiler, is considered an affected facility by the Consent Decree.

Under 40 CFR 63, Subpart DDDDD the Old Platformer heater is considered an affected facility.

- (k) One (1) Alkylation Unit, identified as Unit ID 100, constructed in 1966, and approved in 2024 for modification. The facility includes the following emission sources:

- (1) One (1) Alkylation unit heater, identified as 100-H1 with a maximum heat input rate of 13.2 MMBtu/hr, combusting refinery fuel gas, installed in 1966 and exhausting to stack 7.

Under 40 CFR 60, Subpart J, the Alkylation unit heater, is considered an affected facility by the Consent Decree.

Under 40 CFR 63, Subpart DDDDD the Alkylation unit heater is considered an affected facility.

- (l) One (1) Auxiliary crude heater, identified as 200-H1 with a maximum heat input rate of 10.1 MMBtu/hr, combusting refinery fuel gas, installed in 1966 and exhausting to stack 11.

Under 40 CFR 60, Subpart J, the auxiliary crude heater, is considered an affected facility by the Consent Decree.

Under 40 CFR 63, Subpart DDDDD the Auxiliary crude heater is considered an affected facility.

- (m) One (1) Platformer stabilizer reboiler, identified as 300-H4 with a maximum heat input rate of 5.92 MMBtu/hr, combusting refinery fuel gas, installed in 1956, modified in 2019, and approved in 2024 for modification to replace the burners with low NOx burners, and exhausting to stack 12.

Under 40 CFR 60, Subpart J, the Platformer stabilizer reboiler, is considered an affected facility by the Consent Decree.

Under 40 CFR 63, Subpart DDDDD the Platformer stabilizer reboiler is considered an affected facility.

- (n) One (1) No. 1 boiler, constructed in 1957, with a maximum heat input rate of 52 MMBtu/hr of process gas, identified as B1 and exhausting to stack 8.

Under 40 CFR 60, Subpart J, the No. 1 boiler, is considered an affected facility by the Consent Decree.

Under 40 CFR 63, Subpart DDDDD the No. 1 boiler is considered an affected facility.

- (o) One (1) natural gas or refinery gas fired boiler, constructed in 2014, identified as boiler

B5, with a maximum heat input of 118.14 MMBtu/hr, equipped with low NOx burners, and exhausting to stack 132.

Under 40 CFR 60, Subpart Db, the boiler B5 is considered an affected facility.

Under 40 CFR 60, Subpart Ja, the boiler B5 is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the boiler B5 is considered an affected facility.

- (p) One (1) Vacuum heater husky, identified as 200-H3, with a maximum heat input rate of 8.4 MMBtu/hr, combusting refinery fuel gas, installed in 1963, and approved for modification in 2024, and exhausting to stack 64

Under 40 CFR 60, Subpart J, the vacuum heater Husky, is considered an affected facility by the Consent Decree.

Under 40 CFR 63, Subpart DDDDD the Vacuum heater husky is considered an affected facility.

- (q) One (1) CCR Platformer Unit which includes one (1) CCR Platformer Heater, identified as 300-H1, H2, H3, with a maximum heat input rate of 70.3 MMBtu/hr, combusting refinery fuel gas, installed in 1992, and exhausting to stack 74.

Under 40 CFR 63, Subpart UUU, process vents on the CCR are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart J, the CCR Platformer Unit, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the CCR is considered an affected facility.

- (r) Two (2) sets of Oil/water Separators equipped with covers for VOC control, identified as 071.

Under 40 CFR 60, Subpart QQQ, oil-water separators part of an aggregate facility are considered affected sources at a petroleum refinery.

- (s) Cooling Towers:

(1) Cooling Tower #1N, with a maximum capacity of 3,800 gpm and constructed in 1950.

(2) Cooling Tower #1S, with a maximum capacity of 2,300 gpm and constructed in 1950.

(3) Cooling Tower #2, with a maximum capacity of 3,250 gpm and constructed in 1956.

(4) Cooling Tower identified as #2 East, approved in 2024 for construction with a maximum capacity of 1,200 gpm.

(5) Cooling Tower #3, with a maximum capacity of 1,400 gpm and constructed in 1966.

(6) Cooling Tower identified as #4, approved in 2024 for construction with a maximum capacity of 2,200 gpm.

(7) Cooling Tower identified as #5, approved in 2024 for construction with a maximum capacity of 5,400 gpm.

Under 40 CFR 60, Subpart QQQ, recirculated cooling tower system drains constructed after May 4, 1987 are considered an affected facility.

Under 40 CFR 63, Subpart CC, closed-loop recirculation systems (cooling tower systems) associated with a petroleum refinery with at least one non-contact heat exchanger serviced by the cooling tower in organic HAP service are considered as an affected facility.

- (8) Cooling Tower, identified as CT#6, permitted in 2025, with a maximum capacity of 3,600 gpm.

Under 40 CFR 60, Subpart QQQ, recirculated cooling tower system drains constructed after May 4, 1987 are considered an affected facility.

Under 40 CFR 63, Subpart CC, closed-loop recirculation systems (cooling tower systems) associated with a petroleum refinery with at least one non-contact heat exchanger serviced by the cooling tower in organic HAP service are considered as an affected facility.

- (t) Process units made up of vessels, piping, exchangers, identified as PENEX.

Under 40 CFR 60, Subpart GGG, equipment associated with the sampling connection system is considered an affected source at a petroleum refinery.

- (u) One (1) Hydrotreating Unit Reactor charge heater, identified as 210-H-100, with a maximum heat input rating of 30 MMBtu per hour, combusting refinery fuel gas as a primary fuel and natural gas as a backup fuel, and exhausting through one (1) stack identified as 122, constructed in 2005 and modified in 2014.

Under 40 CFR 63, Subpart DDDDD and 40 CFR 60, Subpart Ja, the Hydrotreating Unit Reactor charge heater is considered an affected facility.

- (v) One (1) Hydrotreating Unit Reboiler Stabilizer, identified as 210-H-101, with a maximum heat input rating of 19.94 MMBtu per hour, combusting refinery fuel gas as a primary fuel and natural gas as a backup fuel, and exhausting through one (1) stack identified as 123 constructed in 2005.

Under 40 CFR 60, Subpart J, the Hydrotreating Unit Reboiler Stabilizer, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the Hydrotreating Unit Reboiler Stabilizer is considered an affected facility.

- (w) One (1) Tail Gas Treatment System and Sulfur Recovery System, identified as 124 and consisting of the following:

Under 40 CFR 63, Subpart UUU, these facilities and the associated process vents and bypass lines are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart Ja, the Tail Gas Treatment System and Sulfur Recovery System, is considered an affected facility by the Consent Decree.

- (1) One (1) Claus Unit burner (520-H-106), identified as 124-1, with a maximum heat input rating of 1.57 MMBtu per hour, combusting natural gas, and exhausting through one (1) stack identified as 124-1, constructed in 2005 and modified in 2019.

Under 40 CFR 60, Subpart J, the Claus Unit burner, is considered an affected facility.

- (2) One (1) Tail Gas Treating Unit (TGTU) Incinerator burner (520-H-161), identified as 124-2, with a maximum heat input rating of 1.29 MMBtu per hour, combusting refinery fuel gas as a primary fuel and natural gas as a backup fuel, and exhausting through one (1) stack identified as 124-2, constructed in 2005.

Under 40 CFR 60, Subpart J, the Tail Gas Treating Unit (TGTU) Incinerator burner, is considered an affected facility.

- (3) One (1) Tail Gas Treating Unit (TGTU) Incinerator (520-H-162), identified as 124-3, with a maximum process flow rate of 48,000 dry standard cubic feet per day, and exhausting through one (1) stack identified as 124-3, constructed in 2005. In the event of unscheduled shutdown of the CCR unit, the Sulfur Recovery Unit effluent will be routed directly to the TGTU incinerator.

- (4) One (1) Sour Flare (520-H-163), identified as 124-4, with a maximum burner capacity of 0.92 MMBtu per hour, and a maximum process flow rate of 200 standard cubic feet per hour, and exhausting through one (1) stack identified as 124-4, constructed in 2005.

Under 40 CFR 60, Subpart J, the Sour Flare, is considered an affected facility by the Consent Decree.

- (x) One (1) Vacuum heater, identified as 200-H6, with a maximum heat input rate of 8.4 MMBtu/hr, combusting refinery fuel gas, installed in 2005 and approved in 2019 for modification, equipped with low NOx burners, and exhausting to stack 126.

Under 40 CFR 60, Subpart Ja, the vacuum heater, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the Vacuum heater is considered an affected facility.

- (y) One (1) boiler, identified as B4, constructed in 2006, with a maximum heat input rate of 84.9 MMBtu/hr of process gas and/or natural gas, and exhausting to stack 131.

Under 40 CFR 60, Subpart Dc, the boiler identified as boiler B4 above is considered an affected facility.

Under 40 CFR Part 60, Subpart J, the boiler identified as boiler B4 above, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the boiler B4 is considered an affected facility.

- (z) One (1) Low Sulfur Gasoline (LSG) Unit consisting of the following equipment:

- (1) LSG Reactor Charge Heater, identified as 810-H101, constructed in 2008 and modified in 2016, with a maximum capacity of 6.3 MMBtu/hr, combusting refinery fuel gas only, and venting to stack 128.

Under 40 CFR Part 60, Subpart Ja, the LSG Reactor Charge Heater is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the LSG Reactor Charge Heater is considered an affected facility.

- (2) LSG Unit components and drains (800 valves, 16 drains, and 5 pumps) constructed in 2008.

Under 40 CFR 63, Subpart CC, equipment leaks associated with a petroleum refinery are considered as an affected facility.

Under 40 CFR 60, Subpart QQQ, new and existing drains are considered

affected facilities at a petroleum refinery.

Under 40 CFR 60, Subpart GGGa, valves are considered affected facilities at a petroleum refinery.

Under 40 CFR 61 Subpart FF new and existing drains are considered affected facilities for benzene waste operations.

- (aa) One (1) diesel fired generator, identified as 700-G2 Boilerhouse, constructed in 2006, approved in 2023 to be operated as a nonemergency generator, with a maximum heat input of 393 hp (293 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (bb) One (1) diesel fired generator, identified as 700-G5, constructed in 2014, approved in 2023 to be operated as a nonemergency generator, with a maximum heat input of 720 hp (500 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

A.4 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(19)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

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This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(19):

- (a) A gasoline fuel transfer dispensing operation handling less than or equal to one thousand three hundred (1,300) gallons per day and filling storage tanks having a capacity equal to or less than ten thousand five hundred (10,500) gallons.
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs:
- (1) Cutting torches.
  - (2) Soldering equipment.
  - (3) Welding equipment.
- (c) Paved and unpaved roads and parking lots with public access.
- (d) Asbestos abatement projects regulated by 326 IAC 14-10.
- (e) Emergency generators as follows: Diesel generators not exceeding one thousand six hundred (1,600) horsepower.
- (1) One (1) diesel fired emergency generator, installed in 1967, identified as 700-P31 Golf Course pond pump, with a maximum heat input of 130 hp (97 KW).  
  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.
  - (2) One (1) diesel fired emergency generator, installed in 1984, identified as 1000-P33B, with a maximum heat input of 240 hp (180 KW).  
  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.
  - (3) One (1) diesel fired emergency generator, installed in 2002, identified as Main Office Generator, with a maximum heat input of 50 hp (37 KW).

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (4) One (1) diesel fired emergency generator, installed in 2006, identified as 700-C8 Air Compressor, with a maximum heat input of 130 hp (97 KW).

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (5) One (1) diesel fired emergency generator, installed in 2014, identified as Ref-G4 South Control Room Generator, with a maximum heat input of 200 hp (150 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (6) One (1) diesel fired emergency generator, installed in 2014, identified as RefG3 North control Room Generator, with a maximum heat input of 200 hp (150 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (7) One (1) diesel fired emergency generator, installed in 2014, identified as 700-G6 flare Gas CEMs Generator, with a maximum heat input of 130 hp (97 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (8) One (1) diesel fired emergency generator, identified as Emer Gen at Flare Knockout Drum, approved in 2023 for construction, with a maximum capacity of 240 hp.

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (9) One (1) diesel fired emergency generator, identified as 700-G28, at the No. 2 Fire Pond, approved for construction in 2024, with a maximum heat input of 500 kW

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (10) One (1) diesel fired emergency generator, identified as the Propane Substation, approved for construction in 2024, with a maximum heat input of 500 kW

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (11) One (1) emergency diesel generator, identified as EDG-755, permitted in 2025, with a maximum capacity of 755 hp.

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit

- (g) Stationary fire pump engines.

- (1) One (1) diesel fired emergency generator, installed in 2008, identified as 700-P33 North Pond fire pump, with a maximum heat input of 420 hp (298 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (2) One (1) diesel-fired wastewater fire pump engine, identified as WFP-1, permitted in 2022, with a maximum heat input capacity of 48.8 hp (36.4 kW).

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (h) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors, and electrostatic precipitators with a design grain loading of less than or equal to three one hundredths (0.03) grains per actual cubic foot and a gas flow rate less than or equal to four thousand (4,000) actual cubic feet per minute as follows: Abrasive blasting.
- (i) An emission unit or activity whose potential uncontrolled emissions meet the exemption levels specified in 326 IAC 2-1.1-3(e)(1) or the exemption levels specified in the following, whichever is lower:
- (1) For lead or lead compounds measured as elemental lead, the exemption level is six-tenths (0.6) ton per year or three and twenty-nine hundredths (3.29) pounds per day.
  - (2) For carbon monoxide (CO), the exemption limit is twenty-five (25) pounds per day.
  - (3) For sulfur dioxide, the exemption level is five (5) pounds per hour or twenty-five (25) pounds per day.
  - (4) For VOC, the exemption limit is three (3) pounds per hour or fifteen (15) pounds per day.
  - (5) For nitrogen oxides (NO<sub>x</sub>), the exemption limit is five (5) pounds per hour or twenty-five (25) pounds per day.
  - (6) For PM<sub>10</sub> or direct PM<sub>2.5</sub>, the exemption level is either five (5) pounds per hour or twenty-five (25) pounds per day.
- (A) Pipeline Valves - Gas, identified as 090. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (B) Pipeline Valves - Light Liquid, identified as 091. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (C) Pipeline Valves - Heavy Liquid, identified as 092. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (D) Pipeline Valves - Hydrogen, identified as 093. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (E) Open Ended Valves, identified as 094. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (F) Flanges, identified as 095. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (G) Pump Seals Light Liquid, identified as 096. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (H) Pump Seals Heavy Liquid, identified as 097. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (I) Compressor Seals - Gas, identified as 098. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (J) Compressor Seals - Heavy Liquid, identified as 099. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (K) Vessel Relief Valves, identified as 101. Under 40 CFR 60, Subpart GGG this is an affected unit.

- (L) Fugitive emissions from the Amine Unit, Sulfur Recovery Unit, Tail Gas Treatment Unit consisting of:

Under 40 CFR 60, Subpart GGG this is an affected unit.  
Under 40 CFR 63, Subpart CC this is an affected unit.

- (1) pipeline Valves - Gas, identified as 090;
- (2) pipeline Valves - Light Liquid, identified as 091;
- (3) pipeline Valves - Heavy Liquid, identified as 092;
- (4) pipeline Valves - Hydrogen, identified as 093;
- (5) open Ended Valves, identified as 094;
- (6) Miscellaneous (Sampling, Blowing, Purging, etc.), identified as 073;
- (7) flanges, identified as 095;
- (8) pump Seals Light Liquid, identified as 096;
- (9) pump Seals Heavy Liquid, identified as 097;
- (10) compressor Seals - Gas, identified as 098;
- (11) compressor Seals - Heavy Liquid, identified as 099;
- (12) drains, identified as 100; and
- (13) vessel Relief Valves, identified as 101.

- (M) One (1) Miscellaneous operation (Sampling, Blowing, Purging, etc.), identified as 073. Under 40 CFR 60, Subpart QQQ this is an affected unit.

- (N) Drains, identified as 100. Under 40 CFR 60, Subpart QQQ this is an affected unit.

- (O) Fugitive emissions from the Unifiner Unit, Platformer Unit, DHT Unit, and Sulfur Recovery Unit consisting of:

Under 40 CFR 63, Subpart CC, equipment leaks associated with a petroleum refinery are considered as an affected facility.  
Under 40 CFR 60, Subpart GGGa, valves, flanges, and pumps are considered affected facilities at a petroleum refinery.

- (1) pipeline Valves - Gas, identified as 090;
- (2) pipeline Valves - Light Liquid, identified as 091;
- (3) pipeline Valves - Heavy Liquid, identified as 092;
- (4) pipeline Valves - Hydrogen, identified as 093;
- (5) flanges, identified as 095;
- (6) pump Seals Light Liquid, identified as 096;
- (7) pump Seals Heavy Liquid, identified as 097; and
- (8) drains, identified as 100.

Under 40 CFR 60, Subpart QQQ, drains are considered affected facilities at a petroleum refinery.

- (J) New components for the new proposed equipment including valves, flanges, pumps, and drains approved in 2024 for construction.

Under 40 CFR 60, Subpart GGGa these are affected components.  
Under 40 CFR 63, Subpart CC these are affected components.

**A.5 Insignificant Activities [326 IAC 2-7-1(19)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]**

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This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(19):

- (a) Combustion related activities, including the following:
  - (1) Space heaters, process heaters, heat treat furnaces, or boilers using the following fuels:
    - (A) Propane or liquefied petroleum gas or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour.
  - (2) Combustion source flame safety purging on startup.
- (b) A petroleum fuel other than gasoline dispensing facility, having a storage tank capacity less than or equal to ten thousand five hundred (10,500) gallons, and dispensing three thousand five hundred (3,500) gallons per day or less.
- (c) The following VOC and HAP storage containers:
  - (1) Storage tanks with capacity less than or equal to one thousand (1,000) gallons and annual throughputs equal to or less than twelve thousand (12,000) gallons.
  - (2) Vessels storing the following:
    - (A) Hydraulic oils.
    - (A) Lubricating oils.
- (d) Cleaners and solvents characterized as having a vapor pressure equal to or less than:
  - (1) two (2.0) kilo Pascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pound per square inch) measured at thirty-eight (38) degrees Centigrade (one hundred (100) degrees Fahrenheit); or
  - (2) seven-tenths (0.7) kilo Pascal (five (5) millimeters of mercury or one-tenth (0.1) pound per square inch) measured at twenty (20) degrees Centigrade (sixty-eight (68) degrees Fahrenheit); the use of which, for all cleaners and solvents combined, does not exceed one hundred forty-five (145) gallons per twelve (12) months.
- (e) Water based activities, including the following:
  - (1) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to one percent (1%) by volume.
- (f) Repair activities, including the following:
  - (1) Heat exchanger cleaning and repair.
  - (2) Process vessel degassing and cleaning to prepare for internal repairs.
- (g) Routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process, including the following:
  - (1) Purging of gas lines.

- (h) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including the following:
  - (1) Catch tanks.
  - (2) Temporary liquid separators.
  - (3) Tanks.
  - (4) Fluid handling equipment.
- (i) Blowdown for the following:
  - (1) Sight glass.
  - (2) Boiler.
  - (3) Cooling tower.
  - (4) Compressors.
  - (5) Pumps.
- (j) Activities associated with emergencies as follows:
  - (1) On-site fire training approved by IDEM.
- (k) Purge double block and bleed valves.
- (l) Filter or coalescer media changeout.
- (m) Emissions from a laboratory as defined in 2-7-1(21)(D).
- (n) An emission unit or activity whose potential uncontrolled emissions meet the exemption levels specified in 326 IAC 2-1.1-3(e)(1) or the exemption levels specified in the following, whichever is lower:
  - (1) For lead or lead compounds measured as elemental lead, the exemption level is six-tenths (0.6) ton per year or three and twenty-nine hundredths (3.29) pounds per day.
  - (2) For carbon monoxide (CO), the exemption limit is twenty-five (25) pounds per day.
  - (3) For sulfur dioxide, the exemption level is five (5) pounds per hour or twenty-five (25) pounds per day.
  - (4) For VOC, the exemption limit is three (3) pounds per hour or fifteen (15) pounds per day.
  - (5) For nitrogen oxides (NO<sub>x</sub>), the exemption limit is five (5) pounds per hour or twenty-five (25) pounds per day.
  - (6) For PM<sub>10</sub> or direct PM<sub>2.5</sub>, the exemption level is either five (5) pounds per hour or twenty-five (25) pounds per day.
  - (A) RCRA regulated units including land farm maintenance, waste generation units and other related hazardous waste activities;
  - (B) tank cleaning;
  - (C) product transfer, loading and unloading operations not otherwise listed;
  - (D) crude oil tank truck unloading- two stations;
  - (E) butane truck unloading -three stations;
  - (F) propane truck unloading;
  - (G) butane railroad car unloading;
  - (H) No. 6 oil unloading;
  - (I) asphalt railroad car loading;
  - (J) butane pipeline tenders;
  - (K) natural gasoline pipeline tenders;

- (L) crude oil pipeline tenders;
- (M) process unit TURNAROUND maintenance and cleaning activities;
- (N) initial charging or firing of process units, flares or other regulated equipment for which reporting is not required or made;
- (O) tank water draining;
- (P) chemical addition for corrosion protection, defoaming, finished products, flow enhancement, fouling, pH control, and other purposes in boilers, process equipment, waste water operations, cooling towers and other refinery equipment;
- (Q) catalyst handling;
- (R) mechanical Equipment (Cranes, forklifts, etc.);
- (S) plant Traffic (Pumpers, Gauges and etc.);
- (T) operation of the Lime Scrubber;
- (U) neutralization pit operations;
- (V) One (1) Miscellaneous operation (Sampling, Blowing, Purging, etc.), identified as 073;
- (W) Drains, identified as 100.
- (X) maintenance painting on tanks and other equipment.
- (Y) Sulfur storage and loading
- (Z) Amine tank and amine sump
- (AA) Storage and transfer of fresh and spent caustic (Sodium Hydroxide and Potassium Hydroxide)

(o) Tank degassing operations consisting of:

- (1) One (1) tank degassing skid, consisting of a portable vapor combusting unit and a caustic scrubber, identified as TDS, permitted in 2024, with a maximum capacity of 6 gasoline/crude oil tanks per year.
- (2) One (1) portable vapor combusting unit, identified as VCU, permitted in 2024, with a maximum capacity of 15 MMBtu/hr of propane, exhausting to stack 133m.
- (3) One (1) portable caustic scrubber, identified as CS, permitted in 2024, used during crude oil tank degassing, exhausting to the VCU.

A.6 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(20);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).
- (c) It is an affected source under Title IV (Acid Deposition Control) of the Clean Air Act, as defined in 326 IAC 2-7-1(3)

## SECTION B GENERAL CONDITIONS

### B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

### B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

- (a) This permit, T129-48558-00003, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit or of permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

### B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

### B.4 Enforceability [326 IAC 2-7-7][IC 13-17-12]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

### B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

### B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

### B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

**B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]**

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- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:
- (1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(33), and
  - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A "responsible official" is defined at 326 IAC 2-7-1(33).

**B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]**

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- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region 5  
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
  - (2) The compliance status;
  - (3) Whether compliance was continuous or intermittent;
  - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

- (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

**B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]**

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- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance

causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.11 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]**

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- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
  - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
  - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
  - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
  - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

**B.12 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]**

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- (a) All terms and conditions of permits established prior to T129-48558-00003 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised under 326 IAC 2-7-10.5, or
  - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control)

**B.13 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]**

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

**B.14 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]**

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
  - (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
  - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this

permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

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**B.15 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]**

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- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(19) and 326 IAC 2-7-1(39). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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**B.16 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12][40 CFR 72]**

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- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Pursuant to 326 IAC 2-7-11(b) and 326 IAC 2-7-12(a), administrative Part 70 operating permit amendments and permit modifications for purposes of the acid rain portion of a Part 70 permit shall be governed by regulations promulgated under Title IV of the Clean Air Act. [40 CFR 72]
- (c) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management

Permit Administration and Support Section, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

- (d) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.17 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

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- (a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.18 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

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- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region 5  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b)(1) and (c)(1). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1) and (c)(1).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(35)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

- (c) Emission Trades [326 IAC 2-7-20(c)]  
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.
- (f) This condition does not apply to emission trades of SO<sub>2</sub> or NO<sub>x</sub> under 326 IAC 21.

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**B.19 Source Modification Requirement [326 IAC 2-7-10.5]**

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

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**B.20 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]**

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as

such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.21 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.22 Annual Fee Payment [326 IAC 2-7-19][326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-8590 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

**B.23 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314][326 IAC 1-1-6]**

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For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

## SECTION C

## SOURCE OPERATION CONDITIONS

Entire Source

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

**C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]**

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

**C.2 Opacity [326 IAC 5-1]**

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

**C.3 Open Burning [326 IAC 4-1][IC 13-17-9]**

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

**C.4 Incineration [326 IAC 4-2][326 IAC 9-1-2]**

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

**C.5 Fugitive Dust Emissions [326 IAC 6-4]**

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

**C.6 Stack Height [326 IAC 1-7]**

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

**C.7 Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]**

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of

326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
  - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
  - (2) If there is a change in the following:
    - (A) Asbestos removal or demolition start date;
    - (B) Removal or demolition contractor; or
    - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(c).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(d).

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

## Testing Requirements [326 IAC 2-7-6(1)]

### C.8 Performance Testing [326 IAC 3-6]

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- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

## Compliance Requirements [326 IAC 2-1.1-11]

### C.9 Compliance Requirements [326 IAC 2-1.1-11]

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The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

## Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

### C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

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- (a) For new units:  
Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.
- (b) For existing units:  
Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W

Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

**C.11 Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]**

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- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

**Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]**

**C.12 Emergency Reduction Plans [326 IAC 1-5-2][326 IAC 1-5-3]**

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Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

**C.13 Risk Management Plan [326 IAC 2-7-5(11)][40 CFR 68]**

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If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

**C.14 Response to Excursions or Exceedances [326 IAC 2-7-5][326 IAC 2-7-6]**

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Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system);  
or

- (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records; and/or
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

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**C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]**

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-19]**

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**C.16 Malfunctions Report [326 IAC 1-6-2]**

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, startups, or shutdowns of any emission unit or emission control equipment, that result in violations of applicable air pollution control regulations or applicable emission limitations must be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any emission unit or emission control equipment: 1) results in violations of applicable air pollution control regulations or applicable emissions limitations and 2) lasts more than one (1) hour, the condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages) or its equivalent. Notification must be made by telephone or other electronic means, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of the occurrence.

- (c) Failure to report a malfunction under subsection (b) of this condition of any emission unit or emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction must be provided, including the items specified in 326 IAC 1-6-2(c)(3)(A) through (E).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(31) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6][326 IAC 2-2][326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time. Support information includes the following, where applicable:

- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following, where applicable:

- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
- (BB) The dates analyses were performed.
- (CC) The company or entity that performed the analyses.
- (DD) The analytical techniques or methods used.
- (EE) The results of such analyses.
- (FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the

remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.
- (c) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A), 326 IAC 2-2-8 (b)(6)(B), 326 IAC 2-3-2 (l)(6)(A), and/or 326 IAC 2-3-2 (l)(6)(B)) that a "project" (as defined in 326 IAC 2-2-1(o) and/or 326 IAC 2-3-1(j)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(d) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(p) and/or 326 IAC 2-3-1(k)), the Permittee shall comply with following:
  - (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(o) and/or 326 IAC 2-3-1(j)) at an existing emissions unit, document and maintain the following records:
    - (A) A description of the project.
    - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
    - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
      - (i) Baseline actual emissions;
      - (ii) Projected actual emissions;
      - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(p)(2)(A)(iii) and/or 326 IAC 2-3-1 (k)(2)(A)(iii); and
      - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (d) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2 (l)(6)(A)) that a "project" (as defined in 326 IAC 2-2-1(o) and/or 326 IAC 2-3-1(j)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(d) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(p) and/or 326 IAC 2-3-1(k)), the Permittee shall comply with following:
  - (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
  - (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption

of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)][326 IAC 2-1.1-11][326 IAC 2-2][326 IAC 2-3]

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- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section C - Malfunctions Report satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (oo) and/or 326 IAC 2-3-1 (jj)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
  - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (ww) and/or 326 IAC 2-3-1 (pp), for that regulated NSR pollutant, and
  - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (f) The report for project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:

- (1) The name, address, and telephone number of the major stationary source.
- (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.
- (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
- (4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

- (g) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

## Stratospheric Ozone Protection

### C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

### C.21 Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Definitions

As specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH and pursuant to SSM No. 129-33810-00003: issued March 5, 2014, SSM No. 129-50133-00003, and 326 IAC 2-7-10.5(b)(2), the following definitions shall apply to sections C.19 - Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Definitions, C.20 - Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Force Majeure, D.2.2 - Standards of Performance for Petroleum Refineries [326 IAC 12][40 CFR 60, Subpart J][326 IAC 2-7-10.5], D.2.3 - Standards of Performance for Petroleum Refineries [326 IAC 12][40 CFR 60, Subpart Ja][326 IAC 2-7-10.5], D.2.4 - Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Requirements [326 IAC 2-7-10.5], D.2.5 - Consent Decree Requirements [326 IAC 2-7-10.5], D.2.7 - Continuous Emissions Monitoring [326 IAC 3-5][326 IAC 2-7-6(1),(6)][40 CFR 60, Subpart Ja], D.2.8 - Continuous Opacity Monitoring [326 IAC 3-5][326 IAC 2-7-6(1),(6)][40 CFR 60, Subpart Ja], D.5.5 - Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Requirements, D.5.6 - Consent Decree Requirements [326 IAC 2-7-10.5], D.5.7- Consent Decree Requirements [326 IAC 2-7-10.5] – Main Flare, D.5.8 - Standards of Performance for Petroleum Refineries [326 IAC 12][40 CFR 60, Subpart J][40 CFR 60, Subpart Ja][326 IAC 2-7-10.5], D.5.11 - NOx Limitation Averaging Time and Monitoring Requirements, D.5.12 - Continuous Emissions Monitoring [326 IAC 3-5][326 IAC 2-7-6(1),(6)][40 CFR 60, Subpart Db], Section E.3 - 40 CFR Part 60, Subpart J, and E.12 - 40 CFR Part 60, Subpart Ja of the permit:

- (a) “7-day rolling average” shall mean the average daily emission rate or concentration during the preceding 7 days. For purposes of clarity, the first day used in a 7-day rolling average compliance period is the first day on which the emissions limit is effective and the first complete 7-day average compliance period is 7 days later (e.g., for a limit

effective on January 1, the first day in the period is January 1 and the first complete 7-day period is January 1 through January 7).

- (b) “365-day rolling average” shall mean the average daily emission rate or concentration during the preceding 365 days. For purposes of clarity, the first day used in a 365-day rolling average compliance period is the first day on which the emissions limit is effective and the first complete 365-day average compliance period is 365 days later (e.g., for a limit effective on January 1, the first day in the period is January 1 and the first complete 365-day period is January 1 through December 31).
- (c) “12-month rolling average” shall mean the sum of the average rate or concentration of the pollutant in question for the most recent complete calendar month and each of the previous 11 calendar months, divided by 12. A new 12-month rolling average shall be calculated for each new complete month. For purposes of clarity, the first month used in a 12-month rolling average compliance period is the first full calendar month in which the emission limits is effective, and the first complete 12-month rolling average compliance period is 12 calendar months later (e.g., for a limit effective on December 31, the first month in the period is January and the first complete 12-month period is January through the following December).
- (d) “Calendar Quarter” shall mean any one of the three month periods ending on March 31st, June 30th, September 30th, and December 31st.
- (e) “CEMS” shall mean a continuous emissions monitoring system.
- (f) “CO” shall mean carbon monoxide.
- (g) “Combustion Units” shall mean the heaters and boilers at the Refinery that are listed in Appendix A.
- (h) “Consent Decree” or “Decree” or “CD” shall mean the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH, including any and all Appendices attached to the body of the Consent Decree.
- (i) “Co-Plaintiff” or “Indiana” shall mean the State of Indiana on behalf of the Indiana Department of Environmental Management.
- (j) “CountryMark” shall mean CountryMark Refining and Logistics, LLC, and its successors and assigns.
- (k) “Covered Flare” shall mean the Main Flare at the Refinery; the Main Flare is an Elevated, Steam-Assisted Flare utilizing only Upper Steam.
- (l) “Current Generation Ultra-Low NO<sub>x</sub> Burners” shall mean those burners that are designed to achieve a NO<sub>x</sub> emission rate of 0.020 to 0.040 lb NO<sub>x</sub>/MMBtu (HHV) when firing natural gas at 3% stack oxygen at full design load without air preheat, even if upon installation actual emissions exceed 0.040 lb NO<sub>x</sub>/MMBtu (HHV).
- (m) “Date of Entry of the Consent Decree” or “Date of Entry” shall mean the date the Consent Decree is entered by the United States District Court for the Southern District of Indiana, that is April 22, 2013.
- (n) “Date of Lodging of the Consent Decree” or “Date of Lodging” or “DOL” shall mean the date the Consent Decree is filed for lodging with the Clerk of the Court for the United States District Court for the Southern District of Indiana, that is February 28, 2013.

- (o) "Day" or "Days" as used herein shall mean a calendar day or days.
- (p) "EPA" shall mean the United States Environmental Protection Agency and any of its successors departments or agencies.
- (q) "FCCU" shall mean the fluidized catalytic cracking unit and its regenerator that CountryMark owns and/or operates at the Mt. Vernon Refinery.
- (r) "Flare" shall mean a combustion device that uses an uncontrolled volume of ambient air to burn gases.
- (s) "Fuel Oil" shall mean any liquid fossil fuel with a sulfur content of greater than 0.05% by weight.
- (t) "IDEM" shall mean the Indiana Department of Environmental Management and any successor departments or agencies of the State of Indiana.
- (u) "Malfunction" shall mean, as specified in 40 C.F.R. Part 60.2, "any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not Malfunctions."
- (v) "Month":
  - (1) Whenever the Consent Decree requires compliance "within" or "by no later than" a certain number of "Months" after a specific date or event, the compliance obligation commences on the anniversary of the numerical date of that specific date or event. For example, if compliance is required by no later than six Months after the Effective Date of the Decree, and if the Effective Date of the Decree is December 6, 2012, then the compliance obligation commences on June 6, 2013.
  - (2) "Month" or "monthly" for any purpose other than that identified in Subparagraph 10.t.i of the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH shall mean calendar month.
- (w) "Natural Gas Curtailment" shall mean a restriction imposed by a natural gas supplier limiting CountryMark's ability to obtain or use natural gas.
- (x) "Next Generation Ultra-Low NOx Burners" or "Next Generation ULNBs" shall mean those burners that are designed to achieve a NOx emission rate of less than or equal to 0.020 lb NOx/MMBtu (HHV) when firing natural gas at 3% stack oxygen at full design load without air preheat, even if upon installation actual emissions exceed 0.020 lb NOx/MMBtu(HHV).
- (y) "NOx" shall mean nitrogen oxides.
- (z) "Paragraph" shall mean a portion of the Consent Decree identified by an Arabic numeral.
- (aa) "Parties" shall mean the United States, Indiana, and CountryMark.
- (bb) "PM" shall mean particulate matter as measured by 40 CFR Part 60, Appendix A, Method 5B or 5F.
- (cc) "Refinery" or "Mt. Vernon Refinery" shall mean the Refinery owned and operated by CountryMark in Mt. Vernon, Indiana, which is subject to the requirements of the Consent Decree.

- (dd) "Selective Catalytic Reduction" or "SCR" shall mean an air pollution control device consisting of ammonia injection and a catalyst bed to selectively catalyze the reduction of NOx with ammonia to nitrogen and water.
- (ee) "Selective Non-Catalytic Reduction" or "SNCR" shall mean an air pollution control device consisting of a reactant injection system using ammonia or urea to selectively reduce NOx to nitrogen and water and may include an enhanced reactant such as hydrogen.
- (ff) "Shutdown," as specified in 40 C.F.R. Section 60.2, shall mean the cessation of operation of an affected facility for any purpose.
- (gg) "SO2" shall mean sulfur dioxide.
- (hh) "Smoke Emissions" shall have the definition set forth in Section 3.5 of Method 22 of 40 C.F.R. Part 60, Appendix A. Smoke Emissions may be documented by either a person certified pursuant to Method 22 or by a video camera.
- (ii) "Startup," as specified in 40 C.F.R. Section 60.2, shall mean the setting in operation of an affected facility for any purpose.
- (jj) "Sulfur Flare" shall mean the Elevated Flare associated with the Sulfur Recovery Unit at the Refinery that CountryMark designates as 520-H-163.
- (kk) "Sulfur Recovery Plant" or "SRP" shall mean a process unit that recovers sulfur from hydrogen sulfide by a vapor phase catalytic reaction of sulfur dioxide and hydrogen sulfide.
- (ll) "Sulfur Recovery Unit" or "SRU" shall mean a single component of a Sulfur Recovery Plant, commonly referred to as a Claus train.
- (mm) "Tail Gas" shall mean exhaust gas from the Claus trains and the tail gas unit ("TGU") section of the SRP.
- (nn) "Tail Gas Unit" or "TGU" shall mean a control system utilizing a technology for reducing emissions of sulfur compounds from a Sulfur Recovery Plant.
- (oo) "Torch Oil" shall mean FCCU feedstock or cycle oils that are combusted in the FCC regenerator to assist in starting up or restarting the FCCU, to allow hot standby of the FCCU, or to maintain regenerator heat balance in the FCCU.
- (pp) "Upstream Process Units" shall mean all amine contactors, amine regenerators, and sour water strippers at the Refinery, as well as all process units at the Refinery that produce gaseous or aqueous waste streams that are processed at amine contactors, amine scrubbers, or sour water strippers.
- (qq) "Visible Emissions" for the flares shall mean five minutes or more of Smoke Emissions during any two consecutive hours. For purposes of Appendix B of the Consent Decree, Visible Emissions may be documented by either a person certified pursuant to Method 22 or by a video camera.

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C.22 Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Force Majeure

- (a) "Force Majeure," for purposes of the Consent Decree, is defined as any event beyond the control of CountryMark, its contractors, or any entity controlled by CountryMark that delays the performance of any obligation under the Consent Decree despite

CountryMark's best efforts to fulfill the obligation. The requirement that CountryMark exercise "best efforts to fulfill the obligation" includes using best efforts to anticipate any potential Force Majeure event and best efforts: (a) to address the effects of any such event as it is occurring; and (b) to prevent or minimize any resulting delay after the event has occurred.

- (b) "Force Majeure" does not include CountryMark's financial inability to perform any obligation under the Consent Decree. Unanticipated or increased costs or expenses associated with the performance of CountryMark's obligations under the Consent Decree shall not constitute circumstances beyond CountryMark's control nor serve as the basis for an extension of time under this Section XIII of the Consent Decree.
- (c) If any event occurs or has occurred that may delay the performance of any obligation under the Consent Decree, whether or not caused by a Force Majeure event, CountryMark shall notify EPA and IDEM in writing not later than fifteen (15) calendar days after the time CountryMark first knew or should have known by the exercise of due diligence that the event might cause a delay. In the written notice, CountryMark shall specifically reference Consent Decree Paragraph 169 of the Consent Decree and shall provide an explanation and description of the reasons for the delay; the anticipated duration of the delay; all actions taken or to be taken to prevent or minimize the delay; a schedule for implementation of any measures to be taken to prevent or mitigate the delay or the effect of the delay; CountryMark's rationale for attributing such delay to a Force Majeure event if it intends to assert such a claim; and a statement as to whether, in the opinion of CountryMark, such event may cause or contribute to an endangerment to public health, welfare, or the environment. CountryMark shall be deemed to know of any circumstance of which CountryMark, any entity controlled by CountryMark, or CountryMark's contractors knew or should have known. CountryMark shall include with any notice all available documentation supporting the claim that the delay was attributable to a Force Majeure. The written notice required by this condition shall be effective upon the mailing of the same by overnight mail or by certified mail, return receipt requested, to EPA in the manner set forth in Section XI of the Consent Decree (Notices).
- (d) Failure by CountryMark to comply with the requirements in Consent Decree Paragraph 169 shall preclude CountryMark from asserting any claim of Force Majeure for the event for the period of time of such failure to comply, and for any additional delay caused by such failure.
- (e) If EPA, after consultation with IDEM, agrees that the delay or anticipated delay is attributable to a Force Majeure event, the time for performance of the obligations under the Consent Decree and the corresponding Part 70 permit condition that are affected by the Force Majeure event will be extended by EPA for such time as is necessary to complete those obligations. An extension of the time for performance of the obligations affected by the Force Majeure event shall not, of itself, extend the time for performance of any other obligation. EPA will notify CountryMark in writing of the length of the extension, if any, for performance of the obligations affected by the Force Majeure event.
- (f) If EPA, after consultation with IDEM, does not agree that the delay or anticipated delay has been or will be caused by a Force Majeure event, or if the EPA, after consultation with IDEM, and CountryMark fail to agree on the length of the delay attributable to the Force Majeure event, EPA will notify CountryMark of its decision.
- (g) If CountryMark elects to invoke the dispute resolution procedures set forth in Consent Decree Section XIV (Dispute Resolution), it shall do so no later than 45 days after receipt of EPA's notice. In any such proceeding, CountryMark shall have the burden of demonstrating by a preponderance of the evidence that the delay or anticipated delay has been or will be caused by a Force Majeure event, that the duration of the delay or the

extension sought was or will be warranted under the circumstances, that best efforts were exercised to avoid and mitigate the effects of the delay, and that CountryMark complied with the requirements of Consent Decree Paragraphs 167 and 169. If CountryMark carries this burden, the delay at issue shall be deemed not to be a violation by CountryMark of the affected obligation of this Consent Decree identified to EPA and the Court.

- (h) Notwithstanding any other provision of the Consent Decree, the Parties do not intend that CountryMark's serving of a Force Majeure notice or the Parties' inability to reach agreement shall cause the reviewing Court to draw any inferences nor establish any presumptions adverse to any Party.

## SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emission Unit Description:

- (b) One (1) Fluidized Catalytic Cracking Unit (FCCU), constructed in 1950, modified in 2016, and approved in 2019 for modification, identified as Unit ID 500, with an average throughput rate of 385 barrels fresh feed per hour. The FCCU includes the following emission sources:

- (2) One (1) FCCU regenerator, identified as 500V-5 with an average throughput rate of 385 barrels fresh feed per hour, installed in 1950 and modified in 2016, controlled by an internal cyclone and electrostatic precipitator (500-ESP-101) and exhausting to stack 10.

Under 40 CFR 63, Subpart UUU, process vents on the FCCU are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart J, the 500V-5 is considered an affected facility by the Consent Decree for particulate matter, and an affected facility under 40 CFR 60, Subpart Ja for NO<sub>x</sub>, SO<sub>2</sub>, and CO.

- (3) Leaks from process equipment, including pumps, pressure relief devices, sampling connection systems, open-ended valves or lines, and instrumentation and heat exchange systems.

- (u) One (1) Hydrotreating Unit Reactor charge heater, identified as 210-H-100, with a maximum heat input rating of 30 MMBtu per hour, combusting refinery fuel gas as a primary fuel and natural gas as a backup fuel, and exhausting through one (1) stack identified as 122, constructed in 2005 and modified in 2014.

Under 40 CFR 63, Subpart DDDDD and 40 CFR 60, Subpart Ja, the Hydrotreating Unit Reactor charge heater is considered an affected facility.

- (v) One (1) Hydrotreating Unit Reboiler Stabilizer, identified as 210-H-101, with a maximum heat input rating of 19.94 MMBtu per hour, combusting refinery fuel gas as a primary fuel and natural gas as a backup fuel, and exhausting through one (1) stack identified as 123 constructed in 2005.

Under 40 CFR 60, Subpart J, the Hydrotreating Unit Reboiler Stabilizer, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the Hydrotreating Unit Reboiler Stabilizer is considered an affected facility.

- (w) One (1) Tail Gas Treatment System and Sulfur Recovery System identified as 124 and consisting of the following:

Under 40 CFR 63, Subpart UUU, these facilities and the associated process vents and bypass lines are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart Ja, the Tail Gas Treatment System and Sulfur Recovery System, is considered an affected facility by the Consent Decree as of June 3, 2013.

- (1) One (1) Claus Unit burner (520-H-106), identified as 124-1, with a maximum heat input rating of 1.57 MMBtu per hour, combusting natural gas, and exhausting through one (1) stack identified as 124-1, constructed in 2005 and modified in 2019.

Under 40 CFR 60, Subpart J, the Claus Unit burner, is considered an affected facility.

- (2) One (1) Tail Gas Treating Unit (TGTU) Incinerator burner (520-H-161), identified as 124-2, with a maximum heat input rating of 1.29 MMBtu per hour, combusting refinery fuel gas as a primary fuel and natural gas as a backup fuel, and exhausting through one (1) stack identified as 124-2, constructed in 2005.

Under 40 CFR 60, Subpart J, the Tail Gas Treating Unit (TGTU) Incinerator burner, is considered an affected facility.

- (3) One (1) Tail Gas Treating Unit (TGTU) Incinerator (520-H-162), identified as 124-3, with a maximum process flow rate of 48,000 dry standard cubic feet per day, and exhausting through one (1) stack identified as 124-3, constructed in 2005. In the event of unscheduled shutdown of the CCR unit, the Sulfur Recovery Unit effluent will be routed directly to the TGTU incinerator.

- (4) One (1) Sour Flare (520-H-163), identified as 124-4, with a maximum burner capacity of 0.92 MMBtu per hour, and a maximum process flow rate of 200 standard cubic feet per hour, and exhausting through one (1) stack identified as 124-4, constructed in 2005.

Under 40 CFR 60, Subpart J, the Sour Flare, is considered an affected facility by the Consent Decree.

- (x) One (1) Vacuum heater, identified as 200-H6, with a maximum heat input rate of 8.4 MMBtu/hr, combusting refinery fuel gas, installed in 2005 and approved in 2019 for modification, equipped with low NOx burners, and exhausting to stack 126.

Under 40 CFR 60, Subpart Ja, the vacuum heater, is considered an affected facility.  
Under 40 CFR 63, Subpart DDDDD, the Vacuum heater is considered an affected facility.

- (z) One (1) Low Sulfur Gasoline (LSG) Unit consisting of the following equipment:

- (1) LSG Reactor Charge Heater, identified as 810-H101, constructed in 2008 and modified in 2016, with a maximum capacity of 6.3 MMBtu/hr, combusting refinery fuel gas only, and venting to stack 128.

Under 40 CFR Part 60, Subpart Ja, the LSG Reactor Charge Heater is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the LSG Reactor Charge Heater is considered an affected facility.

- (2) LSG Unit components and drains (800 valves, 16 drains, and 5 pumps) constructed in 2008.

Under 40 CFR 63, Subpart CC, equipment leaks associated with a petroleum refinery are considered as an affected facility.

Under 40 CFR 60, Subpart QQQ, new and existing drains that are part of an aggregate facility are considered affected facilities at a petroleum refinery.

Under 40 CFR 60, Subpart GGGa, valves are considered affected facilities at a petroleum refinery.

Under 40 CFR 61 Subpart FF new and existing drains are considered affected facilities for benzene waste operations.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

## Emission Limitations and Standards [326 IAC 2-7-5(1)]

### D.1.1 Particulate Matter (PM) [326 IAC 6-2-4]

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Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), particulate emissions from the LSG Charge Reactor Heater shall be limited to 0.26 pounds per MMBtu heat input.

### D.1.2 Particulate [326 IAC 6-3-2]

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Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the FCCU shall not exceed 44.30 pounds per hour when operating at a maximum process weight of 48.559 tons per hour.

The pounds per hour limitations were calculated using the following equation:

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40$$

where E = rate of emission in pounds per hour; and  
P = process weight rate in tons per hour

### D.1.3 Standards of Performance for Petroleum Refineries [326 IAC 12] [40 CFR 60, Subpart J] [326 IAC 2-7-10.5]

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- (a) Pursuant to SSM No. 129-33810-00003: issued on August 5, 2021, and as required by Paragraph 17 and B.38 in the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH, the Permittee shall comply with the following
- (1) The FCCU catalyst regenerator shall be an "affected facility" as that term is used in 40 CFR 60, Subparts A and J, and shall be subject to and comply with the requirements of 40 CFR 60, Subparts A and J and specified in Section E.3 for SO<sub>2</sub>, and CO applicable to the FCCU. Entry of the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH and compliance with the relevant monitoring requirements of Civil 3:13-CV-00030-RLY-WGH for the FCCU shall satisfy the notice requirements of 40 CFR 60.7(a) and the initial performance test requirement of 40 CFR 60.8(a).
  - (2) The Sulfur Flare shall be an "affected facility" as that term is used in the NSPS at Subparts A and J, and shall be subject to and comply with the requirements of Subparts A and J, including all monitoring, recordkeeping, reporting and operating requirements. Consistent with language in 40 C.F.R. § 60.104(a)(1) at the time of the Lodging of this Decree, the combustion in the Sulfur Flare of process upset gases or fuel gas that is released to the Sulfur Flare as a result of relief valve leakage or other emergency malfunctions is exempt from the emissions limit in 40 C.F.R. § 60.104(a)(1). To the extent that the exemption in 40 C.F.R. § 60.104(a)(1) identified in the preceding sentence is amended at any time during the duration of this Consent Decree, the amended language shall apply and not the language in the preceding sentence. In lieu of a monitoring by means of a CEMS, CountryMark, prior to the Lodging of this Consent Decree, submitted an Alternative Monitoring Plan to EPA Region 5 for approval. EPA approved the AMP.
- (b) Pursuant to SSM No. 129-37428-00003: issued on August 5, 2021, and as specified by Paragraph 17 in the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH, the

Permittee shall comply with the following:

- (1) The FCCU catalyst regenerator shall be an "affected facility" as that term is used in 40 CFR 60, Subparts A and J, and shall be subject to and comply with the requirements of 40 CFR 60, Subparts A and J, including all monitoring, recordkeeping, reporting and operating requirements, and specified in Section E.3 for PM applicable to the FCCU catalyst regenerator.

D.1.4 Standards of Performance for Petroleum Refineries [326 IAC 12] [40 CFR 60, Subpart Ja] [326 IAC 2-7-10.5]

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Pursuant to SSM No. 129-37428-00003: issued on August 5, 2021, and as specified by Paragraph 18 in the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH if prior to the termination of the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH, the FCCU becomes subject to 40 CFR Part 60, Subpart Ja, due to a "modification" (as that term is defined in NSPS Subpart A), the modified affected facility shall be subject to and comply with Subpart Ja, in lieu of Subpart J, for that regulated pollutant to which a standard applies as a result of the modification.

D.1.5 Standards of Performance for Petroleum Refineries [326 IAC 12] [40 CFR 60, Subpart Ja] [326 IAC 2-7-10.5]

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Pursuant to SSM No. 129-33810-00003: issued on March 5, 2014, SSM No. 129-50133-00003, 326 IAC 2-7-10.5(b)(2), and as specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in Paragraphs 39, 40, 41, and 43, the Permittee shall comply with the following on or after February 28, 2013:

- (a) The Sulfur Recovery Plant shall be an "affected facility" as that term is used in 40 CFR 60, Subparts A and Ja, for all pollutants applicable to SRPs, and shall be subject to and comply with the requirements of Subparts A and Ja, including all monitoring, recordkeeping, reporting, and operating requirements. Entry of the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH and compliance with the relevant monitoring requirements of Civil 3:13-CV-00030-RLY-WGH for the SRP shall satisfy the notice requirements of 40 CFR 60.7(a) and the initial performance test requirement of 40 CFR 60.8(a).
- (b) At all times on and after the date of NSPS applicability for the SRP, the Permittee shall, for all periods of operation of the SRP, comply with 40 CFR § 60.102a(f)(2)(i), except during periods of Startup, Shutdown or Malfunction of the SRP or Malfunction of the Tail Gas Unit.
- (c) At all times on and after the date of NSPS applicability for the SRP, including periods of Startup, Shutdown, and Malfunction, the Permittee shall, to the extent practicable, operate and maintain the SRP and associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions as required by 40 CFR § 60.11(d).
- (d) The Permittee shall, for the SRP monitor all Tail Gas emission points (stacks) to the atmosphere and install and operate an NSPS-compliant CEMS in accordance with NSPS Subpart Ja. The stack for the Tail Gas Treatment System and Sulfur Recovery System, identified as 124, requires CEMS to monitor Tail Gas emission points 124-1, 124-2, 124-3, and 124-4.

D.1.6 Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Requirements [326 IAC 2-7-10.5]

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Pursuant to SSM No. 129-33810-00003: issued on March 5, 2014, SSM No. 129-50133-00003, 326 IAC 2-7-10.5(b)(2), and as specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraphs 11, 12, 14, 15, 21, and 42, the Permittee shall comply with the

following:

- (a) The emissions of NO<sub>x</sub> from the FCCU shall not exceed 30 ppmvd @ 0% O<sub>2</sub> based on a "365-day rolling average" and 50 ppmvd NO<sub>x</sub> @ 0% O<sub>2</sub> based on a "7-day rolling average".
- (b) NO<sub>x</sub> emissions during periods of Startup, Shutdown, or Malfunction of the FCCU or during periods of Malfunction of the FCCU's catalyst additive system shall not be used in determining compliance with the "7-day rolling average" NO<sub>x</sub> emission limits required by the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH at the FCCU, provided that during such periods the Permittee implements good air pollution control practices as required by 40 CFR 60.11(d) to minimize NO<sub>x</sub> emissions at the FCCU.

NO<sub>x</sub> emissions during periods of Startup, Shutdown, or Malfunction shall be used in determining compliance with the "365-day rolling average" NO<sub>x</sub> emission limits required by the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH at the FCCU. Emissions during any such period of Startup, Shutdown, or Malfunction shall be monitored with a CEMS.

- (c) The emissions of SO<sub>2</sub> from the FCCU shall not exceed 25 ppmvd @ 0% O<sub>2</sub> based on a "365-day rolling average" and 50 ppmvd @ 0% O<sub>2</sub> based on a "7-day rolling average".
- (d) SO<sub>2</sub> emissions during periods of Malfunction shall not be used in determining compliance with the "7-day rolling average" SO<sub>2</sub> emission limits at the FCCU, provided that during such periods the Permittee implements good air pollution control practices as required by 40 CFR 60.11(d) to minimize SO<sub>2</sub> emissions at the FCCU.

SO<sub>2</sub> emissions during periods of Startup, Shutdown, or Malfunction shall be used in determining compliance with the "365-day rolling average" SO<sub>2</sub> emission limits required by the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH at the FCCU. Emissions during any such period of Malfunction shall be monitored with a CEMS.

- (e) The emissions of CO from the FCCU shall not exceed 500 ppmvd on a 1-hour average basis corrected to 0% O<sub>2</sub>.
- (f) CO emissions during periods of Startup, Shutdown, or Malfunction shall not be used in determining compliance with the 1-hour 500 ppmvd emission limit, provided that during such periods the Permittee implements good air pollution control practices to minimize CO emissions from the FCCU.
- (g) The Permittee shall for the SRP either eliminate, control, and/or include and monitor as part of a the SRP's emissions, all sulfur tank emissions.
- (h) Pursuant to SSM No. 129-50133-00003, and 326 IAC 2-7-10.5(b)(2), The emissions of PM from the FCCU shall not exceed 0.040 grain per dry standard cubic feet (gr/dscf) corrected to 0 percent excess air on a seven (7) day rolling average.

#### D.1.7 Consent Decree Requirements [326 IAC 2-7-10.5]

Pursuant to SSM No. 129-33810-00003: issued on March 5, 2014 and as specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraph 38, the Permittee shall comply with the following:

- (a) The Permittee shall not burn Fuel Oil in any existing combustion device except during periods of Natural Gas Curtailment, Test Runs, or operator training. Nothing in this prohibition limits the Permittee's ability to burn Torch Oil in an FCCU regenerator to assist

in starting, restarting, maintaining hot standby, or maintaining regenerator heat balance.

- (b) The Permittee shall not construct any new combustion device that burns Fuel Oil unless the air pollution control equipment controlling the combustion device either:
- (1) has an SO<sub>2</sub> control efficiency of 90% or greater; or
  - (2) achieves an SO<sub>2</sub> concentration of 20 ppm or less at 0% O<sub>2</sub> on a 3-hour rolling average basis.

Nothing in this Condition exempts the Permittee from securing all necessary permits before constructing a new combustion device.

#### D.1.8 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and any control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

### Compliance Determination Requirements [326 IAC 2-7-5(1)]

#### D.1.9 Reserved

#### D.1.10 Continuous Emissions Monitoring [326 IAC 3-5] [326 IAC 2-7-6(1),(6)] [40 CFR 60, Subpart J] [40 CFR 60, Subpart Ja]

- (a) Pursuant to SSM No.129-33810-00003: issued on March 5, 2014, SSM No. 129-50133-00003, 326 IAC 2-7-10.5(b)(2), and by no later than the "Date of Entry" of the Consent Decree, entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraphs 16, 23, and 13, the Permittee shall comply with the following:  
The Permittee shall use NO<sub>x</sub>, SO<sub>2</sub>, CO, and O<sub>2</sub> CEMS to demonstrate compliance with the NO<sub>x</sub>, CO, and SO<sub>2</sub> limits in Condition D.1.6(a), (c), and (e). The Permittee shall install, certify, calibrate, maintain and operate the NO<sub>x</sub>, SO<sub>2</sub>, CO and O<sub>2</sub> CEMS for the FCCU in accordance with the provisions of 40 CFR 60.13 that are applicable to CEMS (excluding those provisions applicable only to Continuous Opacity Monitoring Systems) and Part 60 Appendices A and F, and the applicable performance specification test of 40 CFR Part 60 Appendix B. However, unless Appendix F is required by the NSPS, state law or regulation, or a permit or approval, in lieu of the requirements of 40 CFR Appendix F 5.1.1, 5.1.3, and 5.1.4, the Permittee may conduct: (1) either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) once every three years: and (2) a Cylinder Gas Audit (CGA) each calendar quarter in which a RAA or RATA is not performed. If the CEMS must be moved because of the installation of control equipment, the Permittee shall promptly reinstall, re-calibrate, and re-certify the CEMS.
- (b) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) continuous emission monitoring systems for SRP shall be calibrated, maintained, and operated for measuring SO<sub>2</sub> and O<sub>2</sub>, which meet all applicable performance specifications of 326 IAC 3-5-2.
- (c) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) continuous emission monitoring systems for FCCU shall be calibrated, maintained, and operated for measuring NO<sub>x</sub>, SO<sub>2</sub>, CO, and O<sub>2</sub>, which meet all applicable performance specifications of 326 IAC 3-5-2.
- (d) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) and in order to ensure compliance with Condition D.1.2, a continuous emission monitoring system for FCCU shall be calibrated, maintained, and operated for measuring PM, which meet all applicable performance specifications of 326 IAC 3-5-2.

- (e) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) continuous emission monitoring systems for NSPS J and Ja fuel gas combustion devices Hydrotreating Unit Reactor charge heater 210-H-100, Hydrotreating Unit Reboiler Stabilizer 210-H-101, Claus Unit Burner 520-H-106, TGTU Incinerator burner 520-H-161, Vacuum Heater, 200-H6, and LSG Charge Heater, 810-H101 shall be calibrated, maintained, and operated for measuring hydrogen sulfide, which meet all applicable performance specifications of 326 IAC 3-5-2.
- (f) Pursuant to SSM No. 129-50133-00003, and 326 IAC 2-7-10.5(b)(2), NO<sub>x</sub> emissions during any period of Startup, Shutdown, or Malfunction of the FCCU or during periods of Malfunction of the FCCU's catalyst additive system shall be monitored with CEMS.
- (g) Pursuant to SSM No. 129-50133-00003, and 326 IAC 2-7-10.5(b)(2), SO<sub>2</sub> emissions during any period Malfunction of the FCCU catalyst additive system shall be monitored with CEMS.
- (h) All continuous emissions monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (i) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5, 40 CFR 60, Subpart J, and 40 CFR 60, Subpart Ja.

**D.1.11 Continuous Opacity Monitoring [326 IAC 3-5] [326 IAC 2-7-6(1),(6)] [40 CFR 60, Subpart J]**

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- (a) Pursuant to SSM No. 129-33810-00003, issued on March 5, 2014 and as specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraph 24, the Permittee shall use the Continuous Opacity Monitoring System (COMS) to demonstrate compliance with the NSPS opacity limit at 40 CFR Part 60.102(a)(2). The Permittee shall install, certify, calibrate, maintain and operate the COMS for the FCCU in accordance with 40 CFR Part 60.11, 60.13 and Part 60, Appendix A, and the applicable performance specification test of 40 CFR Part 60, Appendix B
- (b) The Permittee shall calibrate, certify, operate, and maintain a continuous monitoring system and related equipment to measure opacity from the FCCU stack in accordance with 326 IAC 3-5-2 and 326 IAC 3-5-3.
- (c) The Permittee shall record the output of the continuous monitoring system(s) and shall perform the required record keeping and reporting, pursuant to 326 IAC 3-5-6 and 326 IAC 3-5-7.
- (d) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5, 40 CFR 60, Subpart J, and 40 CFR 60, Subpart Ja.

**Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]**

**D.1.12 PM, NO<sub>x</sub>, SO<sub>2</sub>, H<sub>2</sub>S, CO and O<sub>2</sub> Continuous Emissions Monitoring (CEMS) Equipment Downtime**

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- (a) In the event that a breakdown of a PM, NO<sub>x</sub>, SO<sub>2</sub>, H<sub>2</sub>S, CO and O<sub>2</sub> continuous emissions monitoring system (CEMS) occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.
- (b) Whenever a PM continuous emissions monitoring system (CEMS) is malfunctioning or is down for maintenance or repairs for a period of twenty-four (24) hours or more and a

backup PM CEMS is not online within twenty-four (24) hours of shutdown or malfunction of the primary PM CEMS, the Permittee shall comply with the following:

- (1) Visible emission notations of ESP (500-ESP-101) stack exhausts shall be performed. A trained employee shall record whether emissions are normal or abnormal.
  - (2) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
  - (3) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
  - (4) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
  - (5) If abnormal emissions are observed, the Permittee shall take a reasonable response. Section C – Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.
- (c) Parametric monitoring shall begin not more than twenty-four (24) hours after the start of the malfunction or down time at least twice per day during normal daylight operations, with at least four (4) hours between each set of readings, until a PM CEMS is online.
- (d) The Permittee has opted to comply with monitoring of PM pursuant to 40 CFR 60.105a(d) and 326 IAC 3-5-1(c)(1). Thus, upon installation of the ESP and PM CEMS, the continuous opacity monitoring requirements in Condition D.1.10 and D.1.12 are no longer applicable.

D.1.13 Maintenance of COMS [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]

The Permittee shall comply with the following:

- (a) The COMS shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1, and are subject to monitor system certification requirements pursuant to 326 IAC 3-5.
- (b) In the event that a breakdown of the COMS occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.
- (c) Whenever the COMS is malfunctioning or down for maintenance, or repairs for more than twenty-four (24) hours during FCCU operation, the Permittee shall provide a certified opacity reader to take visible emission readings from the FCCU stack.
  - (1) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the COMS malfunction or down time.

- (2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least once per day during daylight operations, until the COMS is placed back in service.
- (3) Method 9 readings may be discontinued once a COM is online.
- (4) If abnormal emissions are observed, the Permittee shall take a reasonable response. Observation of abnormal emissions that do not violate an applicable opacity limit is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit. Section C – Response to Excursions or Exceedances contains the Permittee's obligations with regard to the reasonable response steps required by this condition.
- (5) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.

### **Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

#### **D.1.14 Record Keeping Requirements [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]**

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- (a) The Permittee shall record the output of the continuous monitoring systems ppmvd and shall perform the required record keeping pursuant to 326 IAC 3-5-6 and 326 IAC 3-5-7.
- (b) In the event that a breakdown of the PM, NO<sub>x</sub>, SO<sub>2</sub>, H<sub>2</sub>S, CO or O<sub>2</sub> continuous emission monitoring systems (CEMS) occurs, the Permittee shall maintain records of all CEMS malfunctions, out of control periods, calibration and adjustment activities, and repair or maintenance activities.
- (c) To document the compliance status with opacity Conditions D.1.10 and D.1.12, the Permittee shall maintain records in accordance with (1) through (4) below. Records shall be complete and sufficient to establish compliance with the limits in Conditions D.1.12, D.1.5, and D.1.6.
  - (1) Data and results from the most recent stack test.
  - (2) All continuous opacity monitoring data, pursuant to 326 IAC 3-5-6.
  - (3) The results of all Method 9 visible emission readings taken during any periods of COM downtime.
  - (4) All multiclone and baghouse parametric monitoring readings.
- (d) To document the compliance status with D.1.10, the Permittee shall maintain records of visible emission notations of the baghouse(s) stack exhausts. The Permittee shall include in its record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (e) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

#### **D.1.15 Reporting Requirements [326 IAC 2-7-5(3)(A)(iii)] [326 IAC 3-5]**

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- (a) The Permittee shall prepare and submit to IDEM, OAQ a written report of the results of the calibration gas audits and relative accuracy test audits for each calendar quarter within thirty (30) calendar days after the end of each quarter. The report must contain the information required by 326 IAC 3-5-5(e)(2).

The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

- (b) Pursuant to 326 IAC 3-5-7(5), reporting of continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall include the following:
- (1) date of downtime;
  - (2) time of commencement;
  - (3) duration of each downtime;
  - (4) reasons for each downtime; and
  - (5) nature of system repairs and adjustments.

The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

- (c) A quarterly report of opacity exceedances shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

## SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

| <b>Emission Unit Description:</b>                                                                                                                                    |                                                                          |                                |                                      |                                                                   |                          |                                                      |                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------|--------------------------------------|-------------------------------------------------------------------|--------------------------|------------------------------------------------------|-----------------|
| (c) The following storage vessels:                                                                                                                                   |                                                                          |                                |                                      |                                                                   |                          |                                                      |                 |
| <b>Tank ID</b>                                                                                                                                                       | <b>Tank Description</b>                                                  | <b>Max. Capacity (gallons)</b> | <b>Max. Withdrawal Rate (gal/hr)</b> | <b>Material Stored</b>                                            | <b>Construction Date</b> | <b>NSPS and NESHAP applicability</b>                 | <b>Stack ID</b> |
| 6                                                                                                                                                                    | internal floating roof                                                   | 126,000                        | 14,400                               | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 2023                     | 40 CFR Part 60, Subpart Kb and 40 CFR 63, Subpart CC |                 |
| 18                                                                                                                                                                   | internal floating roof tank/mechanical primary seal                      | 1,052,013                      | 336,000                              | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 2003                     | 40 CFR Part 60, Subpart Kb and 40 CFR 63, Subpart CC | 037;            |
| 24                                                                                                                                                                   | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 588,714                        | 336,000                              | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 1985                     | 40 CFR Part 60, Subpart Kb and 40 CFR 63, Subpart CC | 037;            |
| 45                                                                                                                                                                   | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 2,310,000                      | 336,000                              | naphtha                                                           | 2022                     | 40 CFR 60, Subpart Kb<br>40 CFR 63, Subpart CC       | 056;            |
| 46                                                                                                                                                                   | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 3,159,366                      | 168,000                              | crude oil with maximum true vapor pressure greater than 1.5 psi   | 1955, modified 2017      | 40 CFR Part 60, Subpart Kb and 40 CFR 63, Subpart CC | 057;            |
| 61                                                                                                                                                                   | Fixed roof cone tank/internal floating roof tank/mechanical primary seal | 4,200,000                      | 168,000                              | Hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 2024                     | 40 CFR 60, Subpart Kb<br>40 CFR 63, Subpart CC       | 135             |
| (The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.) |                                                                          |                                |                                      |                                                                   |                          |                                                      |                 |

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-4-3]

Pursuant to 326 IAC 8-4-3, the Storage Vessels listed above are subject to the following:

- The facility must be equipped with an internal floating roof equipped with a closure seal, or seals, to close the space between the roof edge and tank wall unless the source has been equipped with equally effective alternative control which has been approved.
- The facility is maintained such that there are no visible holes, tears, or other openings in the seal or any seal fabric or materials.
- All openings, except stub drains, are equipped with covers, lids, or seals such that:

- (1) the cover, lid, or seal is in the closed position at all times except when in actual use;
- (2) automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports;
- (3) rim vents, if provided are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.

#### **D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]**

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A Preventive Maintenance Plan is required for these facilities and any control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

#### **Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

#### **D.2.3 Record Keeping Requirements [326 IAC 8-4-3]**

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- (a) The Permittee shall comply with the record keeping requirements of 326 IAC 8-4-3. The following records are required for the Storage Vessels listed above:

- (1) The types of volatile petroleum liquids stored,
- (2) The maximum true vapor pressure of the liquids stored, and
- (3) The results of the inspections performed on the tanks.

Such records will be maintained for a period of two (2) years and shall be made available to the commissioner upon written request.

- (b) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligations with regard to the records required by this condition.

## SECTION D.3

## EMISSIONS UNIT OPERATION CONDITIONS

### Emission Unit Description:

- (b) One (1) Fluidized Catalytic Cracking Unit (FCCU), constructed in 1950, modified in 2016, and approved in 2019 for modification, identified as Unit ID 500, with an average throughput rate of 385 barrels fresh feed per hour. The FCCU includes the following emission sources:

- (1) One (1) Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, identified as 500-H101, with a maximum heat input rate of 19.5 MMBtu/hr, combusting refinery fuel gas only (no sour water stripper overhead off-gas combustion), installed in 2019 for construction, and approved in 2024 for modification, equipped with low NOx burners, and exhausting to stack 9.

Under 40 CFR 60, Subpart Ja, the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, is considered an affected facility by the Consent Decree for SO<sub>2</sub>.

Under 40 CFR 63, Subpart DDDDD the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater is considered an affected facility.

- (d) One (1) Main Refinery Flare, identified as 700-V101 with a maximum heat input rate of 371 MMBtu/hr of refinery fuel gas/process gas in emergency cases (with capacity for a supplementary pilot fuel heat input rate of 3.0 MMBtu/hr), installed in 1945 and replaced in 2006 and exhausting to stack 118.

Under 40 CFR 60, Subpart Ja, the Main Refinery Flare is considered an affected facility by the Consent Decree.

- (e) One (1) Crude heater, identified as 200-H2, with a maximum heat input rate of 131 MMBtu/hr, combusting refinery fuel gas, installed in 1955 and permitted in 2021 to replace the existing burners, air preheater, and induced draft (ID) fan motor, equipped with low NOx burners, and exhausting to stack 1.

Under 40 CFR 60, Subpart J, the Crude heater, is considered an affected facility by the Consent Decree.

Under 40 CFR 63, Subpart DDDDD the Crude heater is considered an affected facility.

- (f) One (1) Unifiner heater, identified as 400-H5, with a maximum heat input rate of 32.24 MMBtu/hr, combusting refinery fuel gas, modified in 2019, equipped with low NOx burners, and exhausting to stack 2.

Under 40 CFR 60, Subpart Ja, the Unifiner heater, is considered an affected facility by the Consent Decree.

Under 40 CFR 63, Subpart DDDDD the Unifiner heater is considered an affected facility.

- (g) Reserved

- (h) Reserved

- (i) One (1) Vacuum heater, identified as 200-H4, with a maximum heat input rate of 19.5 MMBtu/hr, combusting refinery fuel gas, installed in 1950 and modified in 2007, and exhausting to stack 5.

- Under 40 CFR 60, Subpart J, the vacuum heater, is considered an affected facility by the Consent Decree.  
Under 40 CFR 63, Subpart DDDDD the Vacuum heater is considered an affected facility.
- (j) One (1) Old Platformer heater, identified as Naphtha Splitter Reboiler 900-H2, with a maximum heat input rate of 38.5 MMBtu/hr, combusting refinery fuel gas, installed in 1956, and exhausting to stack 6.
- Under 40 CFR 60, Subpart J, the Naphtha Splitter Reboiler, is considered an affected facility by the Consent Decree.  
Under 40 CFR 63, Subpart DDDDD the Old Platformer heater is considered an affected facility.
- (k) One (1) Alkylation Unit, identified as Unit ID 100, constructed in 1966. The facility includes the following emission sources:
- (1) One (1) Alkylation unit heater, identified as 100-H1 with a maximum heat input rate of 13.2 MMBtu/hr, combusting refinery fuel gas, installed in 1966 and exhausting to stack 7.
- Under 40 CFR 60, Subpart J, the Alkylation unit heater, is considered an affected facility by the Consent Decree.  
Under 40 CFR 63, Subpart DDDDD the Alkylation unit heater is considered an affected facility.
- (l) One (1) Auxiliary crude heater, identified as 200-H1 with a maximum heat input rate of 10.1 MMBtu/hr, combusting refinery fuel gas, installed in 1966 and exhausting to stack 11.
- Under 40 CFR 60, Subpart J, the auxiliary crude heater, is considered an affected facility by the Consent Decree.  
Under 40 CFR 63, Subpart DDDDD the Auxiliary crude heater is considered an affected facility.
- (m) One (1) Platformer stabilizer reboiler, identified as 300-H4 with a maximum heat input rate of 5.92 MMBtu/hr, combusting refinery fuel gas, installed in 1956, modified in 2019, and approved for modification in 2024, equipped with low NOx burners, and exhausting to stack 12
- Under 40 CFR 60, Subpart J, the Platformer stabilizer reboiler, is considered an affected facility by the Consent Decree as of December 31, 2014.  
Under 40 CFR 63, Subpart DDDDD the Platformer stabilizer reboiler is considered an affected facility.
- (n) One (1) No. 1 boiler, constructed in 1957, with a maximum heat input rate of 52 MMBtu/hr of process gas, identified as B1 and exhausting to stack 8.
- Under 40 CFR 60, Subpart J, the No. 1 boiler, is considered an affected facility by the Consent Decree.  
Under 40 CFR 63, Subpart DDDDD the No. 1 boiler is considered an affected facility.
- (o) One (1) natural gas or refinery gas fired boiler, constructed in 2014, identified as boiler B5, with a maximum heat input of 118.14 MMBtu/hr, equipped with low NOx burners, and exhausting to stack 132.
- Under 40 CFR 60, Subpart Db, the boiler B5 is considered an affected facility.  
Under 40 CFR 60, Subpart Ja, the boiler B5 is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the boiler B5 is considered an affected facility.

- (p) One (1) Vacuum heater husky, identified as 200-H3, with a maximum heat input rate of 8.4 MMBtu/hr, combusting refinery fuel gas, installed in 1963, and exhausting to stack 64.

Under 40 CFR 60, Subpart J, the vacuum heater Husky, is considered an affected facility by the Consent Decree.

Under 40 CFR 63, Subpart DDDDD the Vacuum heater husky is considered an affected facility.

- (q) One (1) CCR Platformer Unit which includes one (1) CCR Platformer Heater, identified as 300-H1, H2, H3, with a maximum heat input rate of 70.3 MMBtu/hr, combusting refinery fuel gas, installed in 1992, and exhausting to stack 74.

Under 40 CFR 63, Subpart UUU, process vents on the CCR are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart J, the CCR Platformer Unit, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the CCR is considered an affected facility.

- (y) One (1) boiler, identified as B4, constructed in 2006, with a maximum heat input rate of 84.9 MMBtu/hr of process gas and/or natural gas, and exhausting to stack 131.

Under 40 CFR 60, Subpart Dc, the boiler identified as boiler B4 above is considered an affected facility.

Under 40 CFR Part 60, Subpart J, the boiler identified as boiler B4 above, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the boiler B4 is considered an affected facility.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

### **Emission Limitations and Standards [326 IAC 2-7-5(1)]**

#### **D.3.1 NO<sub>x</sub> Minor Emission Limitation [326 IAC 2-2]**

In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the Permittee shall comply with the following:

- (a) The NO<sub>x</sub> emission rate from the boiler B5 shall not exceed 31.05 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this emission limit, in conjunction with the PTE of GenB5, will ensure that the potential to emit from this modification is less than forty (40) tons of NO<sub>x</sub> per year and therefore will render the requirements of 326 IAC 2-2 not applicable.

#### **D.3.2 Particulate Matter (PM) [326 IAC 6-2-3]**

Pursuant to 326 IAC 6-2-3 (Particulate Emissions Limitations for Sources of Indirect Heating) the PM emissions from boiler B1 shall be limited to 0.40 pounds per MMBtu heat input.

#### **D.3.3 Particulate Matter (PM) [326 IAC 6-2-4]**

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), the PM emissions from the following units shall be limited to Pt pounds per MMBtu heat input, as follows:

| Emission Unit | Unit ID | Pt (lb/MMBtu) |
|---------------|---------|---------------|
| Boiler        | B4      | 0.25          |
| Boiler        | B5      | 0.26          |

**D.3.4 Standards of Performance for Petroleum Refineries [326 IAC 12] [40 CFR 60, Subpart J] [40 CFR 60, Subpart Ja] [326 IAC 2-7-10.5]**

- (a) Pursuant to SSM No. 129-35410-00003: issued on April 15, 2015, SSM No. 129-50133-00003, 326 IAC 2-7-10.5(b)(2), and as specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraph 35, the FCCU Raw Oil Pre-Heater (500-H101), Crude heater (200-H2), Unifiner heater (400-H5), Vacuum heater (200-H4), Old Platformer heater (Naphtha Splitter Reboiler 900-H2), Alkylation unit heater (100-H1), Auxiliary crude heater (200-H1), Platformer stabilizer (300-H4), boiler (B1), boiler (B4), and the Vacuum heater husky (200-H3) shall be affected facilities as that term is used in 40 CFR 60, Subparts A and J, and shall be subject to and comply with the requirements of Subparts A and J for fuel gas combustion devices, including all monitoring, recordkeeping, reporting and operating requirements.
- (b) Pursuant to SSM No. 129-37428-00003:, issued on April 15, 2015 and as specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraph-36, if prior to termination of the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH, a heater or boiler becomes subject to 40 CFR 60, Subpart Ja for SO<sub>2</sub> due to a "modification" (as the term is defined in NSPS Subpart A), the modified affected facility shall be subject to and comply with Subpart Ja, in lieu of Subpart J, for SO<sub>2</sub>.

**D.3.5 Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Requirements**

- (a) As specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH, on or after February 28, 2013, in paragraph 27, the Permittee shall use Qualifying Controls to reduce NO<sub>x</sub> emissions from the following combustion units by at least 68 tons per year so as to satisfy the following inequality: crude heater (200-H2), CCR Platformer Heater (300-H1, H2, H3), no. 1 boiler, no. 2 boiler, no. 3 boiler, and no. 4 boiler.

$$\sum_{i=1}^n [E_{actual_i} - E_{allowable_i}] \geq 68 \text{ tons of NO}_x \text{ per year}$$

Where:

(E<sub>allowable</sub>)<sub>i</sub> = [(The permitted allowable pounds of NO<sub>x</sub> per million BTU for Combustion Unit i/(2000 pounds per ton)] x [(the lower of permitted or maximum heat input rate capacity in million BTU per hour for Combustion Unit i) x (the lower of 8760 or permitted hours per year)];

(E<sub>Actual</sub>)<sub>i</sub> = The tons of NO<sub>x</sub> per year prior actual emissions during the refinery baseline years (unless prior actual emissions exceed allowable emissions, then use allowable) as shown in Appendix A of the Consent Decree for the crude heater (200-H2), CCR Platformer Heater (300 H1, H2, H3), no. 1 boiler, no. 2 boiler, no. 3 boiler, and no. 4 boiler; and

n = The number of Combustion Units with Qualifying Controls from the following that are selected by the Permittee to satisfy the requirements of the equation set forth in this Condition: crude heater (200-H2), CCR Platformer Heater (300 H1, H2, H3), no. 1 boiler, no. 2 boiler, no. 3 boiler, and no. 4 boiler.

- (b) The Permittee shall comply with the following limits:

| Unit ID | Firing Rate, MMBtu/hr, annual average  | NOx, lb/MMBtu | Hours of operation per year | NOx emissions, tons per year |
|---------|----------------------------------------|---------------|-----------------------------|------------------------------|
| B1      | 31.34                                  | 0.20          | 8,350                       | 26.17                        |
| B4      | 84.9                                   | 0.045         | 8,760                       | 16.73                        |
| B2      | Permanent shut down upon startup of B5 |               |                             |                              |
| B3      | Permanent shut down                    |               |                             |                              |

Prior to monitoring with a CEMS, the NOx in lb/MMBtu shall be determined using a 12-hour average (averaging period of the reference test method), following completion of CEMS certification for B1 and B4, the NOx in lb/MMBtu shall be determined using a 365-day rolling average.

#### D.3.6 Consent Decree Requirements [326 IAC 2-7-10.5]

Pursuant to SSM No. 129-33810-00003: issued on March 5, 2014, SSM No. 129-50133-00003, 326 IAC 2-7-10.5(b)(2), and as specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraph 38, the Permittee:

- (a) Shall not burn Fuel Oil in any existing (as of the "Date of entry") combustion device except during periods of Natural Gas Curtailment, Test Runs, or operator training. Nothing in this prohibition limits the Permittee's ability to burn Torch Oil in an FCCU regenerator to assist in starting, restarting, maintaining hot standby, or maintaining regenerator heat balance. Existing combustion units were listed in Appendix A of the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH as follows: Crude Heater, CCR platformer Heater; No.1 Boiler; No. 2 boiler; No. 3 boiler (shutdown prior to the "Date if Entry," on September 22, 2009); and No. 4 Boiler.
- (b)(1) Shall not construct any new combustion device that burns Fuel Oil unless the air pollution control equipment controlling the combustion device either:
- (A) has an SO<sub>2</sub> control efficiency of 90% or greater; or
- (B) achieves an SO<sub>2</sub> concentration of 20 ppm or less at 0% O<sub>2</sub> on a 3-hour rolling average basis.
- (2) The following combustion devices have been constructed since the Date of Lodging:
- (A) One (1) natural gas or refinery gas fired boiler, constructed in 2014, identified as boiler B5;
- (B) One (1) Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, installed in 2019, identified as 500-H101;
- (C) One (1) Unifiner heater, identified as 400-H5, modified in 2019.
- (3) Nothing in this Condition exempts the Permittee from securing all necessary permits before constructing a new combustion device.

#### D.3.7 Consent Decree Requirements [326 IAC 2-7-10.5] – Main Flare

Pursuant to SSM No.129-33810-00003: issued on March 5, 2014 and as specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraphs B.25 and B.27, the Permittee shall comply with the following requirements at the Covered Flare:

- (a) CountryMark shall operate the Covered Flare at all times when emissions may be vented to it.
- (b) Except for periods of Startup, Shutdown, and/or Malfunction of the Covered Flare, CountryMark shall operate the Covered Flare with no Visible Emissions. Method 22 in 40 C.F.R. Part 60, Appendix A, shall be used to determine compliance with this standard. However, for purposes of this Appendix, Visible Emissions may be determined by either a person certified pursuant to Method 22 or by a video camera.
- (c) Except for periods of Malfunction of the Flare, CountryMark shall operate each Covered Flare with a flame present at all times. CountryMark shall monitor the presence of the pilot flame using a thermocouple or any other equivalent device to detect the presence of the pilot flame.
- (d) CountryMark shall comply with all applicable Subparts of 40 C.F.R. Parts 60, 61, or 63 that state how a particular Covered Flare must be monitored.
- (e) At all times, including during periods of Startup, Shutdown, and/or Malfunction, CountryMark shall implement good air pollution control practices to minimize emissions from the Covered Flare; provided however, that CountryMark shall not be in violation of this requirement for any practice that this Appendix requires CountryMark to implement after the February 28, 2023 for the period between the February 28, 2023 and the implementation date or compliance date (whichever is applicable) for the particular practice.
- (f) To the extent that, from the Date of Lodging of this Consent Decree until its termination, revisions to 40 C.F.R. §§ 60.18(b)–(f) and/or 63.11(b) that are applicable to CountryMark are final and effective but are inconsistent with any of the requirements in Paragraphs B25(a)–(d) or B26, then CountryMark shall comply with the final, effective regulations and any requirements in Paragraphs B25(a)–(d) and/or B26 that are not inconsistent with these final, effective regulations. As used in this Paragraph, “inconsistent” mean that compliance with both provisions is not possible.

**D.3.8 Standards of Performance for Petroleum Refineries [326 IAC 12] [40 CFR 60, Subpart J] [40 CFR 60, Subpart Ja] [326 IAC 2-7-10.5]**

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Pursuant to SSM No. 129-33810-00003: issued on March 5, 2014 and as specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraph B.39 and B.40;

- (a) The Covered Flare becomes subject to 40 C.F.R. Part 60, Subpart Ja, the Covered Flare shall be an “affected facility” as that term is used in the NSPS at Subparts A and J, and shall be subject to and comply with the requirements of Subparts A and J, including all monitoring, recordkeeping, reporting and operating requirements.
- (b) On and after the date(s) that the Covered Flare is subject to Subpart Ja, Subpart J no longer is applicable to that Covered Flare.

**D.3.9 Preventive Maintenance Plan [326 IAC 2-7-5(12)]**

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A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

## **Compliance Determination Requirements [326 IAC 2-7-5(1)]**

### **D.3.10 NOx Limitation Averaging Time and Monitoring Requirements**

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Pursuant to SSM No. 129-33810-00003, issued on March 5, 2014 and as required by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraph 31, except for any Combustion Unit for which the Qualifying Control is a permanent shutdown as identified in Subparagraph 26.d of the Consent Decree, beginning no later than one-hundred eighty (180) days after installing Qualifying Controls on and commencing operation of a Combustion Unit that will be used to satisfy the requirements of Paragraph 27 of the Consent Decree, the Permittee will monitor the Combustion Units as follows:

As required by Paragraph 31 of the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-

- (a) For Combustion Units with a maximum physical capacity greater than 100 MMBtu/hr (HHV), install or continue to operate a NO<sub>x</sub> CEMS;
- (b) For Combustion Units with a maximum physical capacity of less than or equal to 100 MMBtu/hr (HHV), conduct an initial performance test and any periodic tests that may be required by EPA or by IDEM under other applicable regulatory authority. The results of the initial performance testing will be reported to EPA and IDEM.

The Permittee will use Method 7E of 40 C.F.R. Part 60, Appendix A-4 (or a test method made applicable by a future, final EPA regulation) to conduct initial performance testing for NO<sub>x</sub> emissions required by Subparagraph 31.b of the Consent Decree.

### **D.3.11 Continuous Emissions Monitoring [326 IAC 3-5] [326 IAC 2-7-6(1),(6)][40 CFR 60, Subpart Db][40 CFR 60, Subpart J][40 CFR 60, Subpart Ja]**

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- (a) Pursuant to SSM No. 129-33810-00003, issued on March 5, 2014, SSM No. 129-50133-00003, 326 IAC 2-7-10.5(b)(2), and as required by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraph 31.a, the Permittee shall use NO<sub>x</sub> CEMS to demonstrate compliance with the NO<sub>x</sub> limits in Condition D.3.5. As required by Paragraph 32 of the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH, the Permittee shall install, certify, calibrate, maintain and operate any NO<sub>x</sub> CEMS required by Paragraph 31.a in accordance with the provisions of 40 CFR 60.13 that are applicable to CEMS (excluding those provisions applicable only to Continuous Opacity Monitoring Systems) and Part 60 Appendices A and F, and the applicable performance specification test of 40 CFR Part 60 Appendix B. However, unless Appendix F is required by the NSPS, state law or regulation, or a permit or approval, in lieu of the requirements of 40 CFR Appendix F 5.1.1, 5.1.3, and 5.1.4, the Permittee may conduct: (1) either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) once every three years; and (2) a Cylinder Gas Audit (CGA) each calendar quarter in which a RAA or RATA is not performed. If the CEMS must be moved because of the installation of control equipment, the Permittee shall promptly reinstall, re-calibrate, and re-certify the CEMS.
- (b) In order to demonstrate compliance with the 365-day rolling average NO<sub>x</sub> limits in Condition D.3.5 (b) for B1 and B4, the Permittee shall use a NO<sub>x</sub> CEMS meeting the requirements of (a) and (e) of this Condition.
- (c) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) continuous emission monitoring systems for Combustion Units generating steam with a maximum physical capacity greater than 100 MMBtu/hr (HHV) and boiler B5 shall be calibrated, maintained, and operated for measuring NO<sub>x</sub>, which meet all applicable performance specifications of 326 IAC 3-5-2.
- (d) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) continuous emission monitoring systems for NSPS J and Ja fuel gas combustion devices CCR Platformer

Heater (300-H1, H2, H3), the FCCU Raw Oil Pre-Heater (500-H101), Crude heater (200-H2), Unifiner heater (400-H5), Vacuum heater (200-H4), Old Platformer heater (Naphtha Splitter Reboiler 900-H2), Alkylation unit heater (100-H1), Auxiliary crude heater (200-H1), Platformer stabilizer (300-H4), boiler (B1), boiler (B4), boiler (B5), and the Vacuum heater husky (200-H3), shall be calibrated, maintained, and operated for measuring hydrogen sulfide, which meet all applicable performance specifications of 326 IAC 3-5-2.

- (e) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) continuous emission monitoring systems for NSPS Ja fuel gas combustion devices CCR Platformer Heater (300-H1, H2, H3) and the Crude heater (200-H2) shall be calibrated, maintained, and operated for measuring nitrogen oxide, which meet all applicable performance specifications of 326 IAC 3-5-2, unless the biennial stack testing alternative under 40 CFR 60.107a(c)(6) is elected for CCR Platformer Heater (300-H1, H2, H3).
- (f) All continuous emissions monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (g) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5, 40 CFR 60, Subpart Db, 40 CFR 60, Subpart J, 40 CFR 60, Subpart Ja, and 40 CFR 63, Subpart DDDDD.

#### D.3.12 Testing Requirements [326 IAC 2-1.1-11]

In order to demonstrate the 2024 project is minor under 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), not later than 180 days after the startup of the replacement burners, the Permittee shall perform NO<sub>x</sub> and CO testing (before controls) of the platformer stabilizer reboiler, identified as 300-H4 to verify the NO<sub>x</sub> and CO emission factors, utilizing methods approved by the commissioner. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

#### **Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]**

#### D.3.13 NO<sub>x</sub> and H<sub>2</sub>S Continuous Emissions Monitoring (CEMS) Equipment Downtime

In the event that a breakdown of a NO<sub>x</sub> or H<sub>2</sub>S continuous emissions monitoring system (CEMS) occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.

#### **Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

#### D.3.14 Record Keeping Requirements [326 IAC 2-7-5(3)(A)(iii)][326 IAC 3-5]

- (a) To document the compliance status with Condition D.3.1, the Permittee shall maintain records of the tons of NO<sub>x</sub> emitted monthly and per twelve (12) consecutive month period from boiler B5 based on the NO<sub>x</sub> CEM data.
- (b) To document the compliance status with Conditions D.3.5 the Permittee shall maintain records in accordance with (1) through (3) below.
  - (1) The annual boiler B1 and boiler B4 fuel usage and the annual average fuel BTU content.
  - (2) Boiler B1 and boiler B4 NO<sub>x</sub> emission rate from the NO<sub>x</sub> CEMS.
  - (3) Boiler B1 and boiler B4 annual hours of operation.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

- (c) The Permittee shall record the output of the NO<sub>x</sub> continuous monitoring system(s) lb/MMBtu and shall perform the required record keeping pursuant to 326 IAC 3-5-6 and 326 IAC 3-5-7.
- (d) The Permittee shall record the output of the H<sub>2</sub>S continuous monitoring system(s) ppmvd and shall perform the required record keeping pursuant to 326 IAC 3-5-6 and 326 IAC 3-5-7.
- (e) In the event that a breakdown of the NO<sub>x</sub> or H<sub>2</sub>S continuous emission monitoring systems (CEMS) occurs, the Permittee shall maintain records of all CEMS malfunctions, out of control periods, calibration and adjustment activities, and repair or maintenance activities.
- (f) Section C - General Record Keeping Requirements, of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.3.15 Reporting Requirements [326 IAC 2-7-5(3)(A)(iii)][326 IAC 3-5]

- (a) A quarterly summary of the information to document compliance with Condition D.3.1 shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1 (35).
- (b) The Permittee shall prepare and submit to IDEM, OAQ a written report of the results of the calibration gas audits and relative accuracy test audits for each calendar quarter within thirty (30) calendar days after the end of each quarter. The report must contain the information required by 326 IAC 3-5-5(e)(2).

The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

- (c) Pursuant to 326 IAC 3-5-7(5), reporting of continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall include the following:
  - (1) date of downtime;
  - (2) time of commencement;
  - (3) duration of each downtime;
  - (4) reasons for each downtime; and
  - (5) nature of system repairs and adjustments.

The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(33).

## SECTION D.4

## EMISSIONS UNIT OPERATION CONDITIONS

### Emission Unit Description:

#### Insignificant Activities

- (a) A gasoline fuel transfer dispensing operation handling less than or equal to one thousand three hundred (1,300) gallons per day and filling storage tanks having a capacity equal to or less than ten thousand five hundred (10,500) gallons.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.4.1 Gasoline Dispensing Facilities [326 IAC 8-4-6]

Pursuant to 326 IAC 8-4-6(b), stage I vapor recovery system requirements at gasoline dispensing facilities are as follows:

- (a) No owner or operator of a gasoline dispensing facility shall allow the transfer of gasoline between any transport and any storage tank unless the tank is equipped with the following:
- (1) A submerged fill pipe that extends to not more than:
    - (A) twelve (12) inches from the bottom of the storage tank if the fill pipe was installed on or before November 9, 2006; or
    - (B) six (6) inches from the bottom of the storage tank if the fill pipe was installed after November 9, 2006.
  - (2) Either a pressure relief valve set to release at not less than seven-tenths (0.7) pounds per square inch or an orifice of five-tenths (0.5) inch in diameter.
  - (3) A vapor balance system connected between the tank and the transport operating according to manufacturer's specifications.
- (b) If the owner or employees of the owner of a gasoline dispensing facility are not present during loading, it shall be the responsibility of the owner or the operator of the transport to make certain the vapor balance system is:
- (1) connected between the transport and the storage tank; and
  - (2) operating according to manufacturer's specifications.

## SECTION D.5

## EMISSIONS UNIT OPERATION CONDITIONS

### Emission Unit Description:

#### Insignificant Activities

- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs:
- (1) Cutting torches.
  - (2) Soldering equipment.
  - (3) Welding equipment.
- (g) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors, and electrostatic precipitators with a design grain loading of less than or equal to three one hundredths (0.03) grains per actual cubic foot and a gas flow rate less than or equal to four thousand (4,000) actual cubic feet per minute as follows: Abrasive blasting.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.5.1 Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) the particulate emissions from the equipment listed under insignificant activities shall be limited by the following:

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour and  
P = process weight rate in tons per hour.

## SECTION E.1

## NSPS

### Emission Unit Description:

- (o) One (1) natural gas or refinery gas fired boiler, constructed in 2014, identified as boiler B5, with a maximum heat input of 118.14 MMBtu/hr, equipped with low NOx burners, and exhausting to stack 132.

Under 40 CFR 60, Subpart Db, the boiler B5 is considered an affected facility.

Under 40 CFR 60, Subpart Ja, the boiler B5 is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the boiler B5 is considered an affected facility.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

#### E.1.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart Db.

- (b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W

Indianapolis, Indiana 46204-2251

#### E.1.2 Industrial-Commercial-Institutional Steam Generating Units NSPS [326 IAC 12] [40 CFR Part 60, Subpart Db]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart Db, which are incorporated by reference as 326 IAC 12 (included as Attachment A to the operating permit), for the emissions unit(s) listed above.

- (1) 40 CFR 60.40b (a), (c)
- (2) 40 CFR 60.41b
- (3) 40 CFR 60.44b (a)(1)(ii), (h), (i)
- (4) 40 CFR 60.46b (a), (c), (e)(1), (e)(4)
- (5) 40 CFR 60.48b (b), (c), (d), (e)(2), (e)(3), (f), (g)(1)
- (6) 40 CFR 60.49b (a)(1), (a)(3), (b), (d), (g), (h)(4), (i), (o), (v), (w)

## SECTION E.2

## NSPS

### Emission Unit Description:

- (y) One (1) boiler, identified as B4, constructed in 2006, with a maximum heat input rate of 84.9 MMBtu/hr of process gas and/or natural gas, and exhausting to stack 131.

Under 40 CFR 60, Subpart Dc, the boiler identified as boiler B4 above is considered an affected facility.

Under 40 CFR Part 60, Subpart J, the boiler identified as boiler B4 above, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the boiler B4 is considered an affected facility.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

#### E.2.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart Dc.

- (b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W

Indianapolis, Indiana 46204-2251

#### E.2.2 Small Industrial-Commercial-Institutional Steam Generating Units NSPS [326 IAC 12] [40 CFR Part 60, Subpart Dc]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart Dc, which are incorporated by reference as 326 IAC 12 (included as Attachment B to the operating permit), for the emissions unit(s) listed above.

- (1) 40 CFR 60.40c (a)
- (2) 40 CFR 60.41c
- (3) 40 CFR 60.48c (a)(1), (a)(3)

## SECTION E.3

## NSPS

### Emission Unit Description:

- (b) One (1) Fluidized Catalytic Cracking Unit (FCCU), constructed in 1950, modified in 2016, and approved in 2019 for modification, identified as Unit ID 500, with an average throughput rate of 385 barrels fresh feed per hour. The FCCU includes the following emission sources:

- (1) One (1) Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, identified as 500-H101, with a maximum heat input rate of 19.5 MMBtu/hr, combusting refinery fuel gas only (no sour water stripper overhead off-gas combustion), approved in 2019 for construction, equipped with low NO<sub>x</sub> burners, and exhausting to stack 9.

Under 40 CFR 60, Subpart J, the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 60, Subpart Ja, the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, is considered an affected facility for SO<sub>2</sub>.

Under 40 CFR 63, Subpart DDDDD the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater is considered an affected facility.

- (2) One (1) FCCU regenerator, identified as 500V-5 with an average throughput rate of 385 barrels fresh feed per hour, installed in 1950 and modified in 2016, controlled by an internal cyclone and electrostatic precipitator (500-ESP-101) and exhausting to stack 10.

Under 40 CFR 63, Subpart UUU, process vents on the FCCU are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart J, the 500V-5 is considered an affected facility by the Consent Decree for particulate matter no later than December 31, 2017, and an affected facility under 40 CFR 60, Subpart Ja for NO<sub>x</sub>, SO<sub>2</sub>, and CO.

- (e) One (1) Crude heater, identified as 200-H2, with a maximum heat input rate of 131 MMBtu/hr, combusting refinery fuel gas, installed in 1955 and permitted in 2021 to replace the existing burners, air preheater, and induced draft (ID) fan motor, equipped with low NO<sub>x</sub> burners, and exhausting to stack 1.

Under 40 CFR 60, Subpart J, the Crude heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Crude heater is considered an affected facility.

- (g) Reserved

- (h) Reserved

- (i) One (1) Vacuum heater, identified as 200-H4, with a maximum heat input rate of 19.5 MMBtu/hr, combusting refinery fuel gas, installed in 1950 and modified in 2007, and exhausting to stack 5.

Under 40 CFR 60, Subpart J, the vacuum heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Vacuum heater is considered an affected facility.

- (j) One (1) Old Platformer heater, identified as Naphtha Splitter Reboiler 900-H2, with a maximum

heat input rate of 38.5 MMBtu/hr, combusting refinery fuel gas, installed in 1956, and exhausting to stack 6.

Under 40 CFR 60, Subpart J, the Naphtha Splitter Reboiler, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Old Platformer heater is considered an affected facility.

- (k) One (1) Alkylation Unit, identified as Unit ID 100, constructed in 1966. The facility includes the following emission sources:

- (1) One (1) Alkylation unit heater, identified as 100-H1 with a maximum heat input rate of 13.2 MMBtu/hr, combusting refinery fuel gas, installed in 1966 and exhausting to stack 7.

Under 40 CFR 60, Subpart J, the Alkylation unit heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Alkylation unit heater is considered an affected facility.

- (l) One (1) Auxiliary crude heater, identified as 200-H1 with a maximum heat input rate of 10.1 MMBtu/hr, combusting refinery fuel gas, installed in 1966 and exhausting to stack 11.

Under 40 CFR 60, Subpart J, the auxiliary crude heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Auxiliary crude heater is considered an affected facility.

- (m) One (1) Platformer stabilizer reboiler, identified as 300-H4 with a maximum heat input rate of 5.92 MMBtu/hr, combusting refinery fuel gas, installed in 1956, modified in 2019, and approved for modification in 2024, equipped with low NOx burners, and exhausting to stack 12.

Under 40 CFR 60, Subpart J, the Platformer stabilizer reboiler, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Platformer stabilizer reboiler is considered an affected facility.

- (n) One (1) No. 1 boiler, constructed in 1957, with a maximum heat input rate of 52 MMBtu/hr of process gas, identified as B1 and exhausting to stack 8.

Under 40 CFR 60, Subpart J, the No. 1 boiler, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the No. 1 boiler is considered an affected facility.

- (p) One (1) Vacuum heater husky, identified as 200-H3, with a maximum heat input rate of 8.4 MMBtu/hr, combusting refinery fuel gas, installed in 1963, and exhausting to stack 64.

Under 40 CFR 60, Subpart J, the vacuum heater Husky, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Vacuum heater husky is considered an affected facility.

- (q) One (1) CCR Platformer Unit which includes one (1) CCR Platformer Heater, identified as 300-H1, H2, H3, with a maximum heat input rate of 70.3 MMBtu/hr, combusting refinery fuel gas, installed in 1992, and exhausting to stack 74.

Under 40 CFR 63, Subpart UUU, process vents on the CCR are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart J, the CCR Platformer Unit, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the CCR is considered an affected facility.

- (v) One (1) Hydrotreating Unit Reboiler Stabilizer, identified as 210-H-101, with a maximum heat input rating of 19.94 MMBtu per hour, combusting refinery fuel gas as a primary fuel and natural gas as a backup fuel, and exhausting through one (1) stack identified as 123 constructed in 2005.

Under 40 CFR 60, Subpart J, the Hydrotreating Unit Reboiler Stabilizer, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the Hydrotreating Unit Reboiler Stabilizer is considered an affected facility.

- (w) One (1) Tail Gas Treatment System and Sulfur Recovery System identified as 124 and consisting of the following:

Under 40 CFR 63, Subpart UUU, these facilities and the associated process vents and bypass lines are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart Ja, the Tail Gas Treatment System and Sulfur Recovery System, is considered an affected facility by the Consent Decree as of June 3, 2013.

- (1) One (1) Claus Unit burner (520-H-106), identified as 124-1, with a maximum heat input rating of 1.57 MMBtu per hour, combusting natural gas, and exhausting through one (1) stack identified as 124-1, constructed in 2005 and modified in 2019.

Under 40 CFR 60, Subpart J, the Claus Unit burner, is considered an affected facility.

- (2) One (1) Tail Gas Treating Unit (TGTU) Incinerator burner (520-H-161), identified as 124-2, with a maximum heat input rating of 1.29 MMBtu per hour, combusting refinery fuel gas as a primary fuel and natural gas as a backup fuel, and exhausting through one (1) stack identified as 124-2, constructed in 2005.

Under 40 CFR 60, Subpart J, the Tail Gas Treating Unit (TGTU) Incinerator burner, is considered an affected facility.

- (3) One (1) Tail Gas Treating Unit (TGTU) Incinerator (520-H-162), identified as 124-3, with a maximum process flow rate of 48,000 dry standard cubic feet per day, and exhausting through one (1) stack identified as 124-3, constructed in 2005. In the event of unscheduled shutdown of the CCR unit, the Sulfur Recovery Unit effluent will be routed directly to the TGTU incinerator.

- (4) One (1) Sour Flare (520-H-163), identified as 124-4, with a maximum burner capacity of 0.92 MMBtu per hour, and a maximum process flow rate of 200 standard cubic feet per hour, and exhausting through one (1) stack identified as 124-4, constructed in 2005.

Under 40 CFR 60, Subpart J, the Sour Flare, is considered an affected facility by the Consent Decree as of March 31, 2013.

- (y) One (1) boiler, identified as B4, constructed in 2006, with a maximum heat input rate of 84.9 MMBtu/hr of process gas and/or natural gas, and exhausting to stack 131.

Under 40 CFR 60, Subpart Dc, the boiler identified as boiler B4 above is considered an affected facility.

Under 40 CFR Part 60, Subpart J, the boiler identified as boiler B4 above, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the boiler B4 is considered an affected facility.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

### **New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]**

#### **E.3.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]**

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart J.

(b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

#### **E.3.2 Petroleum Refineries NSPS [326 IAC 12] [40 CFR Part 60, Subpart J]**

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart J, which are incorporated by reference as 326 IAC 12 (included as Attachment C to the operating permit), for the emissions unit(s) listed above.

- (1) 40 CFR 60.100
- (2) 40 CFR 60.101
- (3) 40 CFR 60.103
- (4) 40 CFR 60.104 (a)(1), (b)
- (5) 40 CFR 60.105 (a), (b), (e)
- (6) 40 CFR 60.106 (a), (d), (e)(1), (f through k)
- (7) 40 CFR 60.107 (e), (f), (g)
- (8) 40 CFR 60.108 (a)
- (9) 40 CFR 60.109

## SECTION E.4

## NSPS

### Emission Unit Description:

- (d) One (1) Main Refinery Flare, identified as 700-V101 with a maximum heat input rate of 371 MMBtu/hr of refinery fuel gas/process gas in emergency cases (with capacity for a supplementary pilot fuel heat input rate of 3.0 MMBtu/hr), installed in 1945 and replaced in 2006 and exhausting to stack 118.

Under 40 CFR 60, Subpart Ja, the Main Refinery Flare is considered an affected facility by the Consent Decree as of June 3, 2013 or the earliest date(s) by which a "modified" flare (within the meaning of Subpart Ja) must comply with the requirements of Subpart Ja.

- (f) One (1) Unifiner heater, identified as 400-H5, with a maximum heat input rate of 32.24 MMBtu/hr, combusting refinery fuel gas, modified in 2019, equipped with low NOx burners, and exhausting to stack 2.

Under 40 CFR 60, Subpart Ja, the Unifiner heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Unifiner heater is considered an affected facility.

- (o) One (1) natural gas or refinery gas fired boiler, constructed in 2014, identified as boiler B5, with a maximum heat input of 118.14 MMBtu/hr, equipped with low NOx burners, and exhausting to stack 132.

Under 40 CFR 60, Subpart Db, the boiler B5 is considered an affected facility.

Under 40 CFR 60, Subpart Ja, the boiler B5 is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the boiler B5 is considered an affected facility.

- (u) One (1) Hydrotreating Unit Reactor charge heater, identified as 210-H-100, with a maximum heat input rating of 30 MMBtu per hour, combusting refinery fuel gas as a primary fuel and natural gas as a backup fuel, and exhausting through one (1) stack identified as 122, constructed in 2005 and modified in 2014.

Under 40 CFR 63, Subpart DDDDD and 40 CFR 60, Subpart Ja, the Hydrotreating Unit Reactor charge heater is considered an affected facility.

- (x) One (1) Vacuum heater, identified as 200-H6, with a maximum heat input rate of 8.4 MMBtu/hr, combusting refinery fuel gas, installed in 2005 and approved in 2019 for modification, equipped with low NOx burners, and exhausting to stack 126.

Under 40 CFR 60, Subpart Ja, the vacuum heater, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the Vacuum heater is considered an affected facility.

- (z) One (1) Low Sulfur Gasoline (LSG) Unit consisting of the following equipment:

- (1) LSG Reactor Charge Heater, identified as 810-H101, constructed in 2008 and modified in 2016, with a maximum capacity of 6.3 MMBtu/hr, combusting refinery fuel gas only, and venting to stack 128.

Under 40 CFR Part 60, Subpart Ja, the LSG Reactor Charge Heater is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the LSG Reactor Charge Heater is considered an affected facility.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

### **New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]**

#### **E.4.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]**

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart Ja.

(b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

#### **E.4.2 Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After May 14, 2007, NSPS [326 IAC 12] [40 CFR Part 60, Subpart Ja]**

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart Ja, which are incorporated by reference as 326 IAC 12 (included as Attachment D to the operating permit).

(a) 700-V101, Boiler B5, 210-H-100, 124, and 810-H101:

- (1) 40 CFR 60.100a
- (2) 40 CFR 60.101a
- (3) 40 CFR 60.102a (a), (b), (c)(1), (g), (f)(2)
- (4) 40 CFR 60.103a
- (5) 40 CFR 60.104a
- (6) 40 CFR 60.105a (a), (b)(1)(i), (d), (f), (g), (h), (i)
- (7) 40 CFR 60.106a
- (8) 40 CFR 60.107a
- (9) 40 CFR 60.108a
- (10) 40 CFR 60.109a
- (11) Table 1

(b) 200-H6, 400-H5, and 500-H101:

- (1) 40 CFR 60.100a
- (2) 40 CFR 60.101a
- (3) 40 CFR 60.102a(a) and (g)
- (4) 40 CFR 60.104a(a) and (i)(4)(ii)
- (5) 40 CFR 60.107a(a)(2) and (c)
- (6) 40 CFR 60.108a(a), (b), and (d)
- (7) 40 CFR 60.109a

## SECTION E.5

## NSPS

| <b>Emission Unit Description:</b>                                                                                                                                    |                                                                          |                                |                                      |                                                                   |                          |                                                     |                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------|--------------------------------------|-------------------------------------------------------------------|--------------------------|-----------------------------------------------------|-----------------|
| (c) The following storage vessels:                                                                                                                                   |                                                                          |                                |                                      |                                                                   |                          |                                                     |                 |
| <b>Tank ID</b>                                                                                                                                                       | <b>Tank Description</b>                                                  | <b>Max. Capacity (gallons)</b> | <b>Max. Withdrawal Rate (gal/hr)</b> | <b>Material Stored</b>                                            | <b>Construction Date</b> | <b>NSPS and NESHAP applicability</b>                | <b>Stack ID</b> |
| 47                                                                                                                                                                   | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 4,610,550                      | 336,000                              | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 1976                     | 40 CFR Part 60, Subpart K and 40 CFR 63, Subpart CC | 058;            |
| 52                                                                                                                                                                   | fixed roof cone tank                                                     | 3,935,148                      | 336,000                              | hydrocarbon with maximum true vapor less than 1.5 psi             | 1976                     | 40 CFR Part 60, Subpart K and 40 CFR 63, Subpart CC | 063;            |
| (The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.) |                                                                          |                                |                                      |                                                                   |                          |                                                     |                 |

### New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

#### E.5.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart K.
- (b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

#### E.5.2 Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978, NSPS [326 IAC 12] [40 CFR Part 60, Subpart K]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart K, which are incorporated by reference as 326 IAC 12 (included as Attachment E to the operating permit), for the emissions unit(s) listed above.

- (1) 40 CFR 60.110
- (2) 40 CFR 60.111
- (3) 40 CFR 60.112
- (4) 40 CFR 60.113

## SECTION E.6

## NSPS

| <b>Emission Unit Description:</b>                                                                                                                                    |                                                                          |                         |                               |                                                                   |                     |                                                      |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-------------------------|-------------------------------|-------------------------------------------------------------------|---------------------|------------------------------------------------------|----------|
| (c) The following storage vessels:                                                                                                                                   |                                                                          |                         |                               |                                                                   |                     |                                                      |          |
| Tank ID                                                                                                                                                              | Tank Description                                                         | Max. Capacity (gallons) | Max. Withdrawal Rate (gal/hr) | Material Stored                                                   | Construction Date   | NSPS and NESHAP applicability                        | Stack ID |
| 6                                                                                                                                                                    | internal floating roof                                                   | 126,000                 | 14,400                        | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 2023                | 40 CFR Part 60, Subpart Kb and 40 CFR 63, Subpart CC |          |
| 18                                                                                                                                                                   | internal floating roof tank/mechanical primary seal                      | 1,052,013               | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 2003                | 40 CFR Part 60, Subpart Kb and 40 CFR 63, Subpart CC | 037;     |
| 24                                                                                                                                                                   | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 588,714                 | 336,000                       | hydrocarbon with maximum true vapor pressure greater than 1.5 psi | 1985                | 40 CFR Part 60, Subpart Kb and 40 CFR 63, Subpart CC | 037;     |
| 45                                                                                                                                                                   | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 2,310,000               | 336,000                       | naphtha                                                           | 2022                | 40 CFR 60, Subpart Kb<br>40 CFR 63, Subpart CC       | 056;     |
| 46                                                                                                                                                                   | fixed roof cone tank/internal floating roof tank/mechanical primary seal | 3,159,366               | 168,000                       | crude oil with maximum true vapor pressure greater than 1.5 psi   | 1955, modified 2017 | 40 CFR Part 60, Subpart Kb and 40 CFR 63, Subpart CC | 057;     |
| 61                                                                                                                                                                   | Fixed roof cone tank/internal floating roof tank/mechanical primary seal | 4,200,000               | 168.000                       | Hydrocarbon with maximum true vapor pressure greater than 1.5 psi | Permitted in 2024   | 40 CFR 60, Subpart Kb<br>40 CFR 63, Subpart CC       | 135      |
| (The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.) |                                                                          |                         |                               |                                                                   |                     |                                                      |          |

### New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

#### E.6.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart Kb.
- (b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

E.6.2 VOC Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, NSPS [326 IAC 12] [40 CFR Part 60, Subpart Kb]

---

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart Kb, which are incorporated by reference as 326 IAC 12 (included as Attachment F to the operating permit), for the emissions unit(s) listed above.

- (1) 40 CFR 60.110b (a), (b), (d), (e)
- (2) 40 CFR 60.111b
- (3) 40 CFR 60.112b (a)(1), (a)(4), (b)
- (4) 40 CFR 60.113b
- (5) 40 CFR 60.114b
- (6) 40 CFR 60.115b
- (7) 40 CFR 60.116b
- (8) 40 CFR 60.117b

## SECTION E.7

## NSPS

### Emission Unit Description:

The following equipment in VOC service.

- (t) Process units made up of vessels, piping, exchangers, identified as PENEX.

Under 40 CFR 60, Subpart GGG, equipment associated with the sampling connection system is considered an affected source at a petroleum refinery.

### Insignificant Activities

- (h) An emission unit or activity whose potential uncontrolled emissions meet the exemption levels specified in 326 IAC 2-1.1-3(e)(1) or the exemption levels specified in the following, whichever is lower:

- (1) For lead or lead compounds measured as elemental lead, the exemption level is six-tenths (0.6) ton per year or three and twenty-nine hundredths (3.29) pounds per day.
- (2) For carbon monoxide (CO), the exemption limit is twenty-five (25) pounds per day.
- (3) For sulfur dioxide, the exemption level is five (5) pounds per hour or twenty-five (25) pounds per day.
- (4) For VOC, the exemption limit is three (3) pounds per hour or fifteen (15) pounds per day.
- (5) For nitrogen oxides (NO<sub>x</sub>), the exemption limit is five (5) pounds per hour or twenty-five (25) pounds per day.
- (6) For PM<sub>10</sub> or direct PM<sub>2.5</sub>, the exemption level is either five (5) pounds per hour or twenty-five (25) pounds per day.
  - (A) Pipeline Valves - Gas, identified as 090. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (B) Pipeline Valves - Light Liquid, identified as 091. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (C) Pipeline Valves - Heavy Liquid, identified as 092. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (D) Pipeline Valves - Hydrogen, identified as 093. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (E) Open Ended Valves, identified as 094. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (F) Flanges, identified as 095. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (G) Pump Seals Light Liquid, identified as 096. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (H) Pump Seals Heavy Liquid, identified as 097. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (I) Compressor Seals - Gas, identified as 098. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (J) Compressor Seals - Heavy Liquid, identified as 099. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (K) Vessel Relief Valves, identified as 101. Under 40 CFR 60, Subpart GGG this is an affected unit.
  - (L) Fugitive emissions from the Hydrotreater unit, Amine Unit, Sulfur Recovery Unit, Tail Gas Treatment Unit consisting of:

Under 40 CFR 60, Subpart GGG this is an affected unit.  
Under 40 CFR 63, Subpart CC this is an affected unit.

- (1) pipeline Valves - Gas, identified as 090;
- (2) pipeline Valves - Light Liquid, identified as 091;
- (3) pipeline Valves - Heavy Liquid, identified as 092;
- (4) pipeline Valves - Hydrogen, identified as 093;
- (5) open Ended Valves, identified as 094;
- (6) Miscellaneous (Sampling, Blowing, Purging, etc.), identified as 073;
- (7) flanges, identified as 095;
- (8) pump Seals Light Liquid, identified as 096;
- (9) pump Seals Heavy Liquid, identified as 097;
- (10) compressor Seals - Gas, identified as 098;
- (11) compressor Seals - Heavy Liquid, identified as 099;
- (12) drains, identified as 100; and
- (13) vessel Relief Valves, identified as 101.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

#### **New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]**

##### **E.7.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]**

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart GGG.

- (b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

##### **E.7.2 Equipment Leaks of VOC in Petroleum Refineries for which Construction, Reconstruction, or Modification Commenced After January 4, 1983, and on or Before November 7, 2006, NSPS [326 IAC 12] [40 CFR Part 60, Subpart GGG]**

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart GGG, which are incorporated by reference as 326 IAC 12 (included as Attachment G to the operating permit), for the emissions unit(s) listed above.

- (1) 40 CFR 60.590
- (2) 40 CFR 60.591
- (3) 40 CFR 60.592
- (4) 40 CFR 60.593

E.7.3 Standard of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006 [326 IAC 12-1] [40 CFR 60, Subpart VV] [40 CFR 60, Subpart GGG]

---

Pursuant to 40 CFR Part 60, Subpart GGG, the Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart VV, which are incorporated by reference as 326 IAC 12 (included as Attachment H to the operating permit), as follows.

- (1) 40 CFR 60.481
- (2) 40 CFR 60.482-1
- (3) 40 CFR 60.482-2
- (4) 40 CFR 60.482-3
- (5) 40 CFR 60.482-4
- (6) 40 CFR 60.482-5
- (7) 40 CFR 60.482-6
- (8) 40 CFR 60.482-7
- (9) 40 CFR 60.482-8
- (10) 40 CFR 60.482-9
- (11) 40 CFR 60.482-10
- (12) 40 CFR 60.483-1
- (13) 40 CFR 60.483-2
- (14) 40 CFR 60.485
- (15) 40 CFR 60.486
- (16) 40 CFR 60.487
- (17) 40 CFR 60.488

## SECTION E.8

## NSPS

### Emissions Unit Description:

Each valve, pump, pressure relief device, sampling connection system, open-ended valve or line, and flange or other connector in VOC service constructed, reconstructed, or modified after November 7, 2006.

- (b) One (1) Fluidized Catalytic Cracking Unit (FCCU), constructed in 1950, modified in 2016, and approved in 2019 for modification, identified as Unit ID 500, with an average throughput rate of 385 barrels fresh feed per hour. The FCCU includes the following emission sources:
- (1) One (1) Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, identified as 500-H101, with a maximum heat input rate of 19.5 MMBtu/hr, combusting refinery fuel gas only (no sour water stripper overhead off-gas combustion), approved in 2019 for construction, equipped with low NOx burners, and exhausting to stack 9.
- Under 40 CFR 60, Subpart J, the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, is considered an affected facility by the Consent Decree as of December 31, 2014.
- Under 40 CFR 60, Subpart Ja, the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, is considered an affected facility for SO<sub>2</sub>.
- Under 40 CFR 63, Subpart DDDDD the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater is considered an affected facility.
- (2) One (1) FCCU regenerator, identified as 500V-5 with an average throughput rate of 385 barrels fresh feed per hour, installed in 1950 and modified in 2016, controlled by an internal cyclone and electrostatic precipitator (500-ESP-101) and exhausting to stack 10.
- Under 40 CFR 63, Subpart UUU, process vents on the FCCU are considered affected sources at a petroleum refinery.
- Under 40 CFR 60, Subpart J, the 500V-5 is considered an affected facility by the Consent Decree for particulate matter no later than December 31, 2017, and an affected facility under 40 CFR 60, Subpart Ja for NO<sub>x</sub>, SO<sub>2</sub>, and CO.
- (3) Leaks from process equipment, including pumps, pressure relief devices, sampling connection systems, open-ended valves or lines, and instrumentation and heat exchange systems.
- (z) One (1) Low Sulfur Gasoline (LSG) Unit consisting of the following equipment:
- (1) LSG Reactor Charge Heater, identified as 810-H101, constructed in 2008 and modified in 2016, with a maximum capacity of 6.3 MMBtu/hr, combusting refinery fuel gas only, and venting to stack 128.
- Under 40 CFR Part 60, Subpart Ja, the LSG Reactor Charge Heater is considered an affected facility.
- Under 40 CFR 63, Subpart DDDDD, the LSG Reactor Charge Heater is considered an affected facility.
- (2) LSG Unit components and drains (800 valves, 16 drains, and 5 pumps) constructed in 2008.
- Under 40 CFR 63, Subpart CC, equipment leaks associated with a petroleum refinery are considered as an affected facility.

Under 40 CFR 60, Subpart QQQ, new and existing drains **that** are part of an aggregate facility are considered affected facilities at a petroleum refinery.

Under 40 CFR 60, Subpart GGGa, valves are considered affected facilities at a petroleum refinery.

Under 40 CFR 61 Subpart FF new and existing drains are considered affected facilities for benzene waste operations.

### Insignificant Activities

(h) An emission unit or activity whose potential uncontrolled emissions meet the exemption levels specified in 326 IAC 2-1.1-3(e)(1) or the exemption levels specified in the following, whichever is lower:

- (1) For lead or lead compounds measured as elemental lead, the exemption level is six-tenths (0.6) ton per year or three and twenty-nine hundredths (3.29) pounds per day.
- (2) For carbon monoxide (CO), the exemption limit is twenty-five (25) pounds per day.
- (3) For sulfur dioxide, the exemption level is five (5) pounds per hour or twenty-five (25) pounds per day.
- (4) For VOC, the exemption limit is three (3) pounds per hour or fifteen (15) pounds per day.
- (5) For nitrogen oxides (NO<sub>x</sub>), the exemption limit is five (5) pounds per hour or twenty-five (25) pounds per day.
- (6) For PM<sub>10</sub> or direct PM<sub>2.5</sub>, the exemption level is either five (5) pounds per hour or twenty-five (25) pounds per day.

(O) Fugitive emissions from the Unifiner Unit, Platformer Unit, DHT Unit, and Sulfur Recovery Unit consisting of: Under 40 CFR 63, Subpart CC, equipment leaks associated with a petroleum refinery are considered as an affected facility. Under 40 CFR 60, Subpart GGGa, valves, flanges, and pumps are considered affected facilities at a petroleum refinery.

- (1) pipeline Valves - Gas, identified as 090;
- (2) pipeline Valves - Light Liquid, identified as 091;
- (3) pipeline Valves - Heavy Liquid, identified as 092;
- (4) pipeline Valves - Hydrogen, identified as 093;
- (5) flanges, identified as 095;
- (6) pump Seals Light Liquid, identified as 096;
- (7) pump Seals Heavy Liquid, identified as 097; and

(J) New components for the new proposed equipment including valves, flanges, pumps, and drains approved in 2024 for construction.

Under 40 CFR 60, Subpart GGGa these are affected components.

Under 40 CFR 63, Subpart CC these are affected components.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

### New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.8.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-

1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart GGGa.

- (b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

E.8.2 Equipment Leaks of VOC in Petroleum Refineries for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006, NSPS [326 IAC 12] [40 CFR Part 60, Subpart GGGa]

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The Permittee shall comply with the provisions of 40 CFR Part 60, Subpart GGGa, which are incorporated by reference as 326 IAC 12 (included as Attachment I to the operating permit), for the emissions unit(s) listed above.

- (1) 40 CFR 60.590a
- (2) 40 CFR 60.591a
- (3) 40 CFR 60.592a
- (4) 40 CFR 60.593a

E.8.3 Standard of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After November 7, 2006 [326 IAC 12-1] [40 CFR 60, Subpart VVa][40 CFR 60, Subpart GGGa]

---

Pursuant to 40 CFR Part 60, Subpart GGGa, the Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart VVa, which are incorporated by reference as 326 IAC 12 (included as Attachment J to the operating permit), as follows.

- (1) 40 CFR 60.481a
- (2) 40 CFR 60.482-1a
- (3) 40 CFR 60.482-2a
- (4) 40 CFR 60.482-3a
- (5) 40 CFR 60.482-4a
- (6) 40 CFR 60.482-5a
- (7) 40 CFR 60.482-6a
- (8) 40 CFR 60.482-7a
- (9) 40 CFR 60.482-8a
- (10) 40 CFR 60.482-9a
- (11) 40 CFR 60.482-10a
- (12) 40 CFR 60.482-11a
- (13) 40 CFR 60.483-1a
- (14) 40 CFR 60.483-2a
- (15) 40 CFR 60.484a
- (16) 40 CFR 60.485a
- (17) 40 CFR 60.486a
- (18) 40 CFR 60.487a
- (19) 40 CFR 60.488a

## SECTION E.9

## NSPS

### Emission Unit Description:

- (r) Two (2) sets of Oil/water Separators equipped with covers for VOC control, identified as 071.

Under 40 CFR 60, Subpart QQQ, oil-water separators part of an aggregate facility are considered affected sources at a petroleum refinery.

- (s) Cooling Towers:

- (4) Cooling Tower identified as #2 East, approved in 2024 for construction with a maximum capacity of 1,200 gpm.

- (6) Cooling Tower identified as #4, approved in 2024 for construction with a maximum capacity of 2,200 gpm. .

- (7) Cooling Tower identified as #5, approved in 2024 for construction with a maximum capacity of 5,400 gpm.

Under 40 CFR 60, Subpart QQQ, recirculated cooling tower system drains constructed after May 4, 1987 are considered an affected facility.

Under 40 CFR 63, Subpart CC, closed-loop recirculation systems (cooling tower systems) associated with a petroleum refinery with at least one non-contact heat exchanger serviced by the cooling tower in organic HAP service are considered as an affected facility.

- (8) Cooling Tower, identified as CT#6, permitted in 2025, with a maximum capacity of 3,600 gpm.

Under 40 CFR 60, Subpart QQQ, recirculated cooling tower system drains constructed after May 4, 1987 are considered an affected facility.

Under 40 CFR 63, Subpart CC, closed-loop recirculation systems (cooling tower systems) associated with a petroleum refinery with at least one non-contact heat exchanger serviced by the cooling tower in organic HAP service are considered as an affected facility.

- (z) One (1) Low Sulfur Gasoline (LSG) Unit consisting of the following equipment:

- (2) LSG Unit components and drains (800 valves, 16 drains, and 5 pumps) constructed in 2008.

Under 40 CFR 63, Subpart CC, equipment leaks associated with a petroleum refinery are considered as an affected facility.

Under 40 CFR 60, Subpart QQQ, new and existing drains that are part of an aggregate facility are considered affected facilities at a petroleum refinery.

Under 40 CFR 60, Subpart GGGa, valves are considered affected facilities at a petroleum refinery.

Under 40 CFR 61 Subpart FF new and existing drains are considered affected facilities for benzene waste operations.

### Insignificant Activities

(h) An emission unit or activity whose potential uncontrolled emissions meet the exemption levels specified in 326 IAC 2-1.1-3(e)(1) or the exemption levels specified in the following, whichever is lower:

- (1) For lead or lead compounds measured as elemental lead, the exemption level is six-tenths (0.6) ton per year or three and twenty-nine hundredths (3.29) pounds per day.
- (2) For carbon monoxide (CO), the exemption limit is twenty-five (25) pounds per day.
- (3) For sulfur dioxide, the exemption level is five (5) pounds per hour or twenty-five (25) pounds per day.
- (4) For VOC, the exemption limit is three (3) pounds per hour or fifteen (15) pounds per day.
- (5) For nitrogen oxides (NO<sub>x</sub>), the exemption limit is five (5) pounds per hour or twenty-five (25) pounds per day.
- (6) For PM<sub>10</sub> or direct PM<sub>2.5</sub>, the exemption level is either five (5) pounds per hour or twenty-five (25) pounds per day.

(M) One (1) Miscellaneous operation (Sampling, Blowing, Purging, etc.), identified as 073. Under 40 CFR 60, Subpart QQQ this is an affected unit.

(N) Drains, identified as 100. Under 40 CFR 60, Subpart QQQ this is an affected unit.

(O) Fugitive emissions from the Unifiner Unit, Platformer Unit, DHT Unit, and Sulfur Recovery Unit consisting of:

Under 40 CFR 63, Subpart CC, equipment leaks associated with a petroleum refinery are considered as an affected facility.

Under 40 CFR 60, Subpart GGGa, valves, flanges, and pumps are considered affected facilities at a petroleum refinery.

(8) drains, identified as 100.

Under 40 CFR 60, Subpart QQQ, drains are considered affected facilities at a petroleum refinery.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

#### **New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]**

E.9.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart QQQ.
- (b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

E.9.2 VOC Emissions from Petroleum Refinery Wastewater Systems NSPS [326 IAC 12] [40 CFR Part 60, Subpart QQQ]

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The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart QQQ, which are incorporated by reference as 326 IAC 12 (included as Attachment K to the operating permit), for the emissions unit(s) listed above.

- (1) 40 CFR 60.690
- (2) 40 CFR 60.691
- (3) 40 CFR 60.692-1
- (4) 40 CFR 60.692-2
- (5) 40 CFR 60.692-3 (a), (c), (d), (f)
- (6) 40 CFR 60.692-6
- (7) 40 CFR 60.692-7
- (8) 40 CFR 60.693-2
- (9) 40 CFR 60.696 (a), (c), (d)
- (10) 40 CFR 60.697 (a), (c), (e), (k)
- (11) 40 CFR 60.699

## SECTION E.10

## NSPS

### Emissions Unit Description:

- (aa) One (1) diesel fired generator, identified as 700-G2 Boilerhouse, constructed in 2006, approved in 2023 to be operated as a nonemergency generator, with a maximum heat input of 393 hp (293 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (bb) One (1) diesel fired generator, identified as 700-G5, constructed in 2014, approved in 2023 to be operated as a nonemergency generator, with a maximum heat input of 720 hp (500 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

### Specifically Regulated Insignificant Activities

- (e) Emergency generators as follows: Diesel generators not exceeding one thousand six hundred (1,600) horsepower.

- (5) One (1) diesel fired emergency generator, installed in 2014, identified as Ref-G4 South Control Room Generator, with a maximum heat input of 200 hp (150 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (6) One (1) diesel fired emergency generator, installed in 2014, identified as RefG3 North control Room Generator, with a maximum heat input of 200 hp (150 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (7) One (1) diesel fired emergency generator, installed in 2014, identified as 700-G6 flare Gas CEMs Generator, with a maximum heat input of 130 hp (97 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (8) One (1) diesel fired emergency generator, identified as Emer Gen at Flare Knockout Drum, approved in 2023 for construction, with a maximum capacity of 240 hp.

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (9) One (1) diesel fired emergency generator, identified as 700-G28, at the No. 2 Fire Pond, approved for construction in 2024, with a maximum heat input of 500 kW

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (10) One (1) diesel fired emergency generator, identified as the Propane Substation, approved for construction in 2024, with a maximum heat input of 500 kW

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (11) One (1) emergency diesel generator, identified as EDG-755, permitted in 2025, with a maximum capacity of 755 hp.

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit

- (f) Stationary fire pump engines.

- (2) One (1) diesel fired emergency generator, installed in 2008, identified as 700 P33 North Pond fire pump, with a maximum heat input of 420 hp (298 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (3) One (1) diesel-fired wastewater fire pump engine, identified as WFP-1, permitted in 2022, with a maximum heat input capacity of 48.8 hp (36.4 kW).

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

#### **New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]**

##### **E.10.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]**

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 60, Subpart IIII.

- (b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

##### **E.10.2 Stationary Compression Ignition Internal Combustion Engines NSPS [326 IAC 12] [40 CFR Part 60, Subpart IIII]**

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart IIII, which are incorporated by reference as 326 IAC 12 (included as Attachment L to the operating permit), for the emergency generators and fire pump engines listed above in Insignificant Activities.

- (1) 40 CFR 60.4200  
(2) 40 CFR 60.4205 (b), (c)  
(3) 40 CFR 60.4206  
(4) 40 CFR 60.4207

- (5) 40 CFR 60.4208
- (6) 40 CFR 60.4211 (f)(2)(i), (g)
- (7) 40 CFR 60.4214 (b), (d)
- (8) 40 CFR 60.4218
- (9) 40 CFR 60.4219
- (10) Table 4
- (11) Table 8

The diesel fired non-emergency generators 700-G2 and 700-G5 are subject to the following portions of Subpart IIII.

- (1) 40 CFR 60.4200
- (2) 40 CFR 60.4204(a), (b) and (e)
- (3) 40 CFR 60.4206
- (4) 40 CFR 60.4207
- (5) 40 CFR 60.4208
- (6) 40 CFR 60.4211 (a), (b), (c), (e) and (g)
- (7) 40 CFR 60.4214 (a), (c)
- (8) 40 CFR 60.4217
- (9) 40 CFR 60.4218
- (10) 40 CFR 60.4219
- (11) Table 1
- (12) Table 8

## SECTION F.1

## NESHAP

### Emission Unit Description:

The units subject to this rule include all process units and product tanks that generate waste within a stationary source, and all waste management units that are used for waste treatment, storage, or disposal within a stationary source.

Under 40 CFR 61, Subpart FF, this stationary petroleum refinery is considered an affected facility.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

#### F.1.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 61 [326 IAC 14-1] [40 CFR Part 61, Subpart A]

- (a) Pursuant to 40 CFR 61.1, the Permittee shall comply with the applicable provisions of 40 CFR Part 61, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 14-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR Part 61, Subpart FF.
- (b) Pursuant to 40 CFR 61.04, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

#### F.1.2 Benzene Waste Operations NESHAP [40 CFR Part 61, Subpart FF]

The Permittee shall comply with the following provisions of 40 CFR Part 61, Subpart FF (included as Attachment M to permit), for the emissions unit(s) listed above.

- (1) 40 CFR 61.340
- (2) 40 CFR 61.341
- (3) 40 CFR 61.342 (a)
- (4) 40 CFR 61.355
- (5) 40 CFR 61.356 (a), (b)(1), (b)(5)
- (6) 40 CFR 61.357 (a), (c)

## SECTION G.1

## NESHAP

### Emissions Unit Description:

- (a) One (1) Truck loading rack, with a maximum capacity of 60,000 gallons of submerged loading of gasoline, kerosene or distillate oil per hour, installed in 1958, identified as Loading Rack, and exhausting to stack 65; controlled by the Loading Rack Flare, equipped with a 0.09 million British Thermal Units per hour (MMBtu/hr) natural gas fired pilot and designed to handle 160 actual cubic feet per minute (acfm) of hydrocarbon vapors, installed in 1998, and exhausting to stack 1D.

Under 40 CFR 63, Subpart R, this facility is considered an existing bulk gasoline terminal.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

### National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

#### G.1.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]

- (a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 63, Subpart R.

- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

#### G.1.2 Gasoline Distribution Facilities NESHAP [326 IAC 20-10] [40 CFR 63, Subpart R]

The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart R, which are incorporated by reference as 326 IAC 20-10 (included as Attachment N to the operating permit), for the emissions unit(s) listed above.

- (1) 40 CFR Part 63.420
- (2) 40 CFR Part 63.421
- (3) 40 CFR Part 63.422 (a-c)
- (4) 40 CFR Part 63.424
- (5) 40 CFR Part 63.425 (a-c), (e-h)
- (6) 40 CFR Part 63.427 (a-b)
- (7) 40 CFR Part 63.428 (b), (c), (e), (f), (g), (h)(1-3), (i), (j), (k)
- (8) Table 1.

## SECTION G.2

## NESHAP

### Emission Unit Description:

- (1) All miscellaneous process vents from petroleum refining process units;
- (2) All storage vessels associated with petroleum refining process units;
- (3) All wastewater streams and treatment operations associated with petroleum refining process units;
- (4) All equipment leaks from petroleum refining process units;
- (5) All gasoline loading racks classified under Standard Industrial Classification code 2911;
- (6) All marine vessel loading operations located at a petroleum refinery;
- (7) All storage vessels and equipment leaks associated with a bulk gasoline terminal or pipeline breakout station classified under Standard Industrial Classification code 2911 located within a contiguous area and under common control with a refinery;
- (8) Heat exchange systems;
- (9) Facility wide fenceline monitoring provisions;
- (10) Flare control devices
- (11) Flare monitoring systems; and
- (12) Colling towers

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

#### G.2.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]

- (a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 63, Subpart CC.
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

#### G.2.2 ORDER of the Commissioner of the Indiana Department of Environmental Management

Pursuant to Indiana Code § 13-14-2-6 and in order to secure compliance with 40 CFR Part 63, Subpart CC, CountryMark Refining and Logistics, LLC is subject to the following ORDER:

1. CountryMark Refining and Logistics, LLC shall submit a status report within sixty (60) days of completion of the following milestones indicating the actual dates of completion:
  - a. The identification of requirements necessary for compliance identified in Attachment T.
  - b. The projected dates of implementation of necessary compliance measures identified in Attachment T.
2. The status report in Paragraph 1 shall include a description of the measures that have been or will be implemented in order to comply with the standards set forth in 40 CFR 63.643(c), 40 CFR 63.655(g)(13), and 40 CFR 655(i)(12).
3. CountryMark Refining and Logistics, LLC shall comply with the standards set forth in 40 CFR Part 63, Subpart CC 40 CFR 63.643(c), 40 CFR 63.655(g)(13), and 40 CFR 655(i)(12) no later than August 1, 2018.
4. CountryMark Refining and Logistics, LLC shall submit a status report within sixty (60) days of completion of the following milestones indicating the actual dates of completion:
  - a. The identification or requirements necessary for compliance identified in Attachment U.
  - b. The projected dates of implementation of necessary compliance measures identified in Attachment U.
5. The status report in Paragraph 1 shall include a description of the measures that have been or will be implemented in order to comply with the standards set forth in 40 CFR 63.670(d) and (i) no later than December 30, 2019.

#### G.2.3 Petroleum Refineries NESHAP [40 CFR Part 63, Subpart CC] [326 IAC 20-16]

The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart CC, which are incorporated by reference as 326 IAC 20-16 (included as Attachment O to the operating permit), for the emissions unit(s) listed above.

- (1) 40 CFR 63.640
- (2) 40 CFR 63.641
- (3) 40 CFR 63.642
- (4) 40 CFR 63.643
- (5) 40 CFR 63.644
- (6) 40 CFR 63.645
- (7) 40 CFR 63.646
- (8) 40 CFR 63.647
- (9) 40 CFR 63.648
- (10) 40 CFR 63.649
- (11) 40 CFR 63.650
- (12) 40 CFR 63.651
- (13) 40 CFR 63.652
- (14) 40 CFR 63.653
- (15) 40 CFR 63.654
- (16) 40 CFR 63.655 (d), (e), (f), (g), (h), (i)(1)(iv)

- (17) 40 CFR 63.656
- (18) 40 CFR 63.658
- (19) 40 CFR 63.660
- (20) 40 CFR 63.670
- (21) 40 CFR 63.671

G.2.4 Standard of Performance for Storage Vessels for Bulk Gasoline Terminals [326 IAC 12-1] [40 CFR 60, Subpart XX][326 IAC 20-16][40 CFR 63, Subpart CC]

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Pursuant to 40 CFR Part 63, Subpart CC, the Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart XX, which are incorporated by reference as 326 IAC 12 (included as Attachment P to the operating permit), as follows.

- (1) 40 CFR 60.500
- (2) 40 CFR 60.501
- (3) 40 CFR 60.502
- (4) 40 CFR 60.503
- (5) 40 CFR 60.505
- (6) 40 CFR 60.506

## SECTION G.3

## NESHAP

### Emission Unit Description:

- (b) One (1) Fluidized Catalytic Cracking Unit (FCCU), constructed in 1950, modified in 2016, and approved in 2019 for modification, identified as Unit ID 500, with an average throughput rate of 385 barrels fresh feed per hour. The FCCU includes the following emission sources:

- (2) One (1) FCCU regenerator, identified as 500V-5 with an average throughput rate of 385 barrels fresh feed per hour, installed in 1950 and modified in 2016, controlled by an internal cyclone and electrostatic precipitator (500-ESP-101) and exhausting to stack 10.

Under 40 CFR 63, Subpart UUU, process vents on the FCCU are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart J, the 500V-5 is considered an affected facility by the Consent Decree for particulate matter no later than December 31, 2017, and an affected facility under 40 CFR 60, Subpart Ja for NO<sub>x</sub>, SO<sub>2</sub>, and CO.

- (q) One (1) CCR Platformer Unit which includes one (1) CCR Platformer Heater, identified as 300-H1, H2, H3, with a maximum heat input rate of 70.3 MMBtu/hr, combusting refinery fuel gas, installed in 1992, and exhausting to stack 74.

Under 40 CFR 63, Subpart UUU, process vents on the CCR are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart J, the CCR Platformer Unit, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the CCR is considered an affected facility.

- (w) One (1) Tail Gas Treatment System and Sulfur Recovery System identified as 124 and consisting of the following:

Under 40 CFR 63, Subpart UUU, these facilities and the associated process vents and bypass lines are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart Ja, the Tail Gas Treatment System and Sulfur Recovery System, is considered an affected facility by the Consent Decree as of June 3, 2013.

- (3) One (1) Tail Gas Treating Unit (TGTU) Incinerator (520-H-162), identified as 124-3, with a maximum process flow rate of 48,000 dry standard cubic feet per day, and exhausting through one (1) stack identified as 124-3, constructed in 2005. In the event of unscheduled shutdown of the CCR unit, the Sulfur Recovery Unit effluent will be routed directly to the TGTU incinerator.

- (4) One (1) Sour Flare (520-H-163), identified as 124-4, with a maximum burner capacity of 0.92 MMBtu per hour, and a maximum process flow rate of 200 standard cubic feet per hour, and exhausting through one (1) stack identified as 124-4, constructed in 2005.

Under 40 CFR 60, Subpart J, the Sour Flare, is considered an affected facility by the Consent Decree as of March 31, 2013.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

**National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements  
[326 IAC 2-7-5(1)]**

**G.3.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under  
40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]**

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- (a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emissions unit(s) listed above, except as otherwise specified in 40 CFR Part 63, Subpart UUU.
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

**G.3.2 Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, and Sulfur Recovery  
Units NESHAP [40 CFR Part 63, Subpart UUU] [326 IAC 20-50]**

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The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart UUU, which are incorporated by reference as 326 IAC 20-50 (included as Attachment Q to the operating permit), for the emissions unit(s) listed above.

- (1) 40 CFR 63.1560
- (2) 40 CFR 63.1561
- (3) 40 CFR 63.1562
- (4) 40 CFR 63.1563
- (5) 40 CFR 63.1564
- (6) 40 CFR 63.1565
- (7) 40 CFR 63.1566
- (8) 40 CFR 63.1567
- (9) 40 CFR 63.1568
- (10) 40 CFR 63.1569
- (11) 40 CFR 63.1570
- (12) 40 CFR 63.1571
- (13) 40 CFR 63.1572
- (14) 40 CFR 63.1573
- (15) 40 CFR 63.1574
- (16) 40 CFR 63.1575
- (17) 40 CFR 63.1576
- (18) 40 CFR 63.1577
- (19) 40 CFR 63.1578
- (20) 40 CFR 63.1579
- (21) Tables 1-44

## SECTION G.4

## NESHAP

### Emissions Unit Description:

- (aa) One (1) diesel fired generator, identified as 700-G2 Boilerhouse, constructed in 2006, approved in 2023 to be operated as a nonemergency generator, with a maximum heat input of 393 hp (293 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (bb) One (1) diesel fired generator, identified as 700-G5, constructed in 2014, approved in 2023 to be operated as a nonemergency generator, with a maximum heat input of 720 hp (500 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

### Specifically Regulated Insignificant Activities

- (e) Emergency generators as follows: Diesel generators not exceeding one thousand six hundred (1,600) horsepower.

- (1) One (1) diesel fired emergency generator, installed in 1967, identified as 700-P31 Golf Course pond pump, with a maximum heat input of 130 hp (97 KW).

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (2) One (1) diesel fired emergency generator, installed in 1984, identified as 1000-P33B, with a maximum heat input of 240 hp (180 KW).

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (3) One (1) diesel fired emergency generator, installed in 2002, identified as Main Office Generator, with a maximum heat input of 50 hp (37 KW).

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (4) One (1) diesel fired emergency generator, installed in 2006, identified as 700-C8 Air Compressor, with a maximum heat input of 130 hp (97 KW).

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (5) One (1) diesel fired emergency generator, installed in 2014, identified as Ref-G4 South Control Room Generator, with a maximum heat input of 200 hp (150 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (6) One (1) diesel fired emergency generator, installed in 2014, identified as RefG3 North control Room Generator, with a maximum heat input of 200 hp (150 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.  
Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (7) One (1) diesel fired emergency generator, installed in 2014, identified as 700-G6 flare

Gas CEMs Generator, with a maximum heat input of 130 hp (97 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (8) One (1) diesel fired emergency generator, identified as Emer Gen at Flare Knockout Drum, approved in 2023 for construction, with a maximum capacity of 240 hp.

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (9) One (1) emergency diesel generator, identified as EDG-755, permitted in 2025, with a maximum capacity of 755 hp.

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit

- (f) Stationary fire pump engines.

- (1) One (1) diesel fired emergency generator, installed in 2008, identified as 700-P33 North Pond fire pump, with a maximum heat input of 420 hp (298 KW).

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

- (2) One (1) diesel-fired wastewater fire pump engine, identified as WFP-1, permitted in 2022, with a maximum heat input capacity of 48.8 hp (36.4 kW).

Under 40 CFR 60, Subpart IIII this is an affected unit.

Under 40 CFR 63, Subpart ZZZZ this is an affected unit.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

### **National Emissions Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]**

#### **G.4.1 General Provisions Relating to National Emissions Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]**

- (a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the applicable provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR Part 63, Subpart ZZZZ.

- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

#### G.4.2 National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [40 CFR Part 63, Subpart ZZZZ] [326 IAC 20-82]

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The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart ZZZZ, which are incorporated by reference as 326 IAC 20-82 (included as Attachment R to the operating permit), for emergency generators and fire pump engines 1 through 8 listed above in Insignificant Activities.

- (1) 40 CFR 63.6580
- (2) 40 CFR 63.6585 (a), (b)
- (3) 40 CFR 63.6590 (a), (c)
- (4) 40 CFR 63.6595 (a)
- (5) 40 CFR 63.6602
- (6) 40 CFR 63.6604 (b)
- (7) 40 CFR 63.6625 (e), (f), (h), (i)
- (8) 40 CFR 63.6640 (a), (b), (f)(1), (2)(i), (3)
- (9) 40 CFR 63.6645 (f)
- (10) 40 CFR 63.6660
- (11) 40 CFR 63.6665
- (12) 40 CFR 63.6670
- (13) 40 CFR 63.6675
- (14) Table 2c
- (15) Table 6
- (16) Table 8

For emergency generators 9 listed above in Insignificant Activities is subject the following applicable portions of 40 CFR Part 63, Subpart ZZZZ.

- (1) 40 CFR 63.6580
- (2) 40 CFR 63.6585 (a), (b)
- (3) 40 CFR 63.6590 (a), (c)
- (4) 40 CFR 63.6595 (a)
- (5) 40 CFR 63.6600
- (6) 40 CFR 63.6602
- (7) 40 CFR 63.6604(a)
- (8) 40 CFR 63.6605
- (9) 40 CFR 63.6625 (e), (f), (h), (i)
- (10) 40 CFR 63.6640 (a), (b)
- (11) 40 CFR 63.6645
- (12) 40 CFR 63.6650
- (13) 40 CFR 63.6655
- (14) 40 CFR 63.6660
- (15) 40 CFR 63.6665
- (16) 40 CFR 63.6670
- (17) 40 CFR 63.6675
- (18) Table 2b to Subpart ZZZZ
- (19) Table 2c to Subpart ZZZZ
- (20) Table 6 to Subpart ZZZZ
- (21) Table 8 to Subpart ZZZZ

The diesel-fired non-emergency generator 700-G2 (393 hp) is subject the following applicable portions of 40 CFR Part 63, Subpart ZZZZ.

- (1) 40 CFR 63.6580
- (2) 40 CFR 63.6585(a) and (b)
- (3) 40 CFR 63.6590(a)(2)(ii), (c)(6)

- (4) 40 CFR 63.6595(a)(4)
- (5) 40 CFR 63.6602
- (6) 40 CFR 63.6605
- (7) 40 CFR 63.6665
- (8) 40 CFR 63.6670
- (9) 40 CFR 63.6675
- (10) Table 2c

The diesel-fired non-emergency generator 700-G5 (720 hp) is subject the following applicable portions of 40 CFR Part 63, Subpart ZZZZ.

- (1) 40 CFR 63.6580
- (2) 40 CFR 63.6585(a) and (b)
- (3) 40 CFR 63.6590(a)(1)(i)
- (4) 40 CFR 63.6595(a)(3)
- (5) 40 CFR 63.6600(b)
- (6) 40 CFR 63.6604
- (7) 40 CFR 63.6605
- (8) 40 CFR 63.6610(d)
- (9) 40 CFR 63.6620(a) and (b)(4)
- (10) 40 CFR 63.6645 (a)(3), (c), (g) and (h)
- (11) 40 CFR 63.6650(a)
- (12) 40 CFR 63.6655
- (13) 40 CFR 63.6660
- (14) 40 CFR 63.6665
- (15) 40 CFR 63.6670
- (16) 40 CFR 63.6675
- (17) Table 2a, 2c
- (18) Table 4
- (19) Table 8

## SECTION G.5

## NESHAP

### Emission Unit Description:

- (b) One (1) Fluidized Catalytic Cracking Unit (FCCU), constructed in 1950, modified in 2016, and approved in 2019 for modification, identified as Unit ID 500, with an average throughput rate of 385 barrels fresh feed per hour. The FCCU includes the following emission sources:

- (1) One (1) Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, identified as 500-H101, with a maximum heat input rate of 19.5 MMBtu/hr, combusting refinery fuel gas only (no sour water stripper overhead off-gas combustion), approved in 2019 for construction, equipped with low NOx burners, and exhausting to stack 9.

Under 40 CFR 60, Subpart J, the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 60, Subpart Ja, the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, is considered an affected facility for SO<sub>2</sub>.

Under 40 CFR 63, Subpart DDDDD the Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater is considered an affected facility.

- (e) One (1) Crude heater, identified as 200-H2, with a maximum heat input rate of 131 MMBtu/hr, combusting refinery fuel gas, installed in 1955 and permitted in 2021 to replace the existing burners, air preheater, and induced draft (ID) fan motor, equipped with low NOx burners, and exhausting to stack 1.

Under 40 CFR 60, Subpart Ja, the Crude heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Crude heater is considered an affected facility.

- (f) One (1) Unifiner heater, identified as 400-H5, with a maximum heat input rate of 32.24 MMBtu/hr, combusting refinery fuel gas, modified in 2019, equipped with low NOx burners, and exhausting to stack 2.

Under 40 CFR 60, Subpart Ja, the Unifiner heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Unifiner heater is considered an affected facility.

- (g) Reserved

- (h) Reserved

- (i) One (1) Vacuum heater, identified as 200-H4, with a maximum heat input rate of 19.5 MMBtu/hr, combusting refinery fuel gas, installed in 1950 and modified in 2007, and exhausting to stack 5.

Under 40 CFR 60, Subpart J, the vacuum heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Vacuum heater is considered an affected facility.

- (j) One (1) Old Platformer heater, identified as Naphtha Splitter Reboiler 900-H2, with a maximum heat input rate of 38.5 MMBtu/hr, combusting refinery fuel gas, installed in 1956, and exhausting to stack 6.

Under 40 CFR 60, Subpart J, the Naphtha Splitter Reboiler, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Old Platformer heater is considered an affected facility.

- (k) One (1) Alkylation Unit, identified as Unit ID 100, constructed in 1966. The facility includes the following emission sources:

- (1) One (1) Alkylation unit heater, identified as 100-H1 with a maximum heat input rate of 13.2 MMBtu/hr, combusting refinery fuel gas, installed in 1966 and exhausting to stack 7.

Under 40 CFR 60, Subpart J, the Alkylation unit heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Alkylation unit heater is considered an affected facility.

- (l) One (1) Auxiliary crude heater, identified as 200-H1 with a maximum heat input rate of 10.1 MMBtu/hr, combusting refinery fuel gas, installed in 1966 and exhausting to stack 11.

Under 40 CFR 60, Subpart J, the auxiliary crude heater, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Auxiliary crude heater is considered an affected facility.

- (m) One (1) Platformer stabilizer reboiler, identified as 300-H4 with a maximum heat input rate of 5.92 MMBtu/hr, combusting refinery fuel gas, installed in 1956, modified in 2019, and approved in 2024 for modification to replace the burners with low NOx burners, and exhausting to stack 12.

Under 40 CFR 60, Subpart J, the Platformer stabilizer reboiler, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Platformer stabilizer reboiler is considered an affected facility.

- (n) One (1) No. 1 boiler, constructed in 1957, with a maximum heat input rate of 52 MMBtu/hr of process gas, identified as B1 and exhausting to stack 8.

Under 40 CFR 60, Subpart J, the No. 1 boiler, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the No. 1 boiler is considered an affected facility.

- (o) One (1) natural gas or refinery gas fired boiler, constructed in 2014, identified as boiler B5, with a maximum heat input of 118.14 MMBtu/hr, equipped with low NOx burners, and exhausting to stack 132.

Under 40 CFR 60, Subpart Db, the boiler B5 is considered an affected facility.

Under 40 CFR 60, Subpart Ja, the boiler B5 is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the boiler B5 is considered an affected facility.

- (p) One (1) Vacuum heater husky, identified as 200-H3, with a maximum heat input rate of 8.4 MMBtu/hr, combusting refinery fuel gas, installed in 1963, and exhausting to stack 64.

Under 40 CFR 60, Subpart J, the vacuum heater Husky, is considered an affected facility by the Consent Decree as of December 31, 2014.

Under 40 CFR 63, Subpart DDDDD the Vacuum heater husky is considered an affected facility.

- (q) One (1) CCR Platformer Unit which includes one (1) CCR Platformer Heater, identified as 300-H1, H2, H3, with a maximum heat input rate of 70.3 MMBtu/hr, combusting refinery fuel gas, installed in 1992, and exhausting to stack 74.

Under 40 CFR 63, Subpart UUU, process vents on the CCR are considered affected sources at a petroleum refinery.

Under 40 CFR 60, Subpart J, the CCR Platformer Unit, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the CCR is considered an affected facility.

- (u) One (1) Hydrotreating Unit Reactor charge heater, identified as 210-H-100, with a maximum heat input rating of 30 MMBtu per hour, combusting refinery fuel gas as a primary fuel and natural gas as a backup fuel, and exhausting through one (1) stack identified as 122, constructed in 2005 and modified in 2014.

Under 40 CFR 63, Subpart DDDDD and 40 CFR 60, Subpart Ja, the Hydrotreating Unit Reactor charge heater is considered an affected facility.

- (v) One (1) Hydrotreating Unit Reboiler Stabilizer, identified as 210-H-101, with a maximum heat input rating of 19.94 MMBtu per hour, combusting refinery fuel gas as a primary fuel and natural gas as a backup fuel, and exhausting through one (1) stack identified as 123 constructed in 2005.

Under 40 CFR 60, Subpart J, the Hydrotreating Unit Reboiler Stabilizer, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the Hydrotreating Unit Reboiler Stabilizer is considered an affected facility.

- (x) One (1) Vacuum heater, identified as 200-H6, with a maximum heat input rate of 8.4 MMBtu/hr, combusting refinery fuel gas, installed in 2005 and approved in 2019 for modification, equipped with low NOx burners, and exhausting to stack 126.

Under 40 CFR 60, Subpart Ja, the vacuum heater, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the Vacuum heater is considered an affected facility.

- (y) One (1) boiler, identified as B4, constructed in 2006, with a maximum heat input rate of 84.9 MMBtu/hr of process gas and/or natural gas, and exhausting to stack 131.

Under 40 CFR 60, Subpart Dc, the boiler identified as boiler B4 above is considered an affected facility.

Under 40 CFR Part 60, Subpart J, the boiler identified as boiler B4 above, is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the boiler B4 is considered an affected facility.

- (z) One (1) Low Sulfur Gasoline (LSG) Unit consisting of the following equipment:

- (1) LSG Reactor Charge Heater, identified as 810-H101, constructed in 2008 and modified in 2016, with a maximum capacity of 6.3 MMBtu/hr, combusting refinery fuel gas only, and venting to stack 128.

Under 40 CFR Part 60, Subpart Ja, the LSG Reactor Charge Heater is considered an affected facility.

Under 40 CFR 63, Subpart DDDDD, the LSG Reactor Charge Heater is considered an

affected facility.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

**National Emissions Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]**

**G.5.1 General Provisions Relating to National Emissions Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]**

- (a) Pursuant to 40 CFR 63.1, the Permittee shall comply with the applicable provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emission unit(s) listed above, except as otherwise specified in 40 CFR Part 63, Subpart DDDDD.
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
Indiana Government Center North  
100 North Senate Avenue, Room 13W  
Indianapolis, Indiana 46204-2251

**G.5.2 National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters [40 CFR Part 63, Subpart DDDDD] [326 IAC 20-95]**

The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart DDDDD, which are incorporated by reference as 326 IAC 20-95 (included as Attachment S to the operating permit).

- (a) 200-H1, 200-H2, 200-H3, 200-H4, 200-H6, 210-H-100, 210-H-101, 300-H1, H2, H3, 300-H4, 500-H101, 810-H101, Unit ID 100, Boiler B1, Boiler B4, and Boiler-B5:

- (1) 40 CFR 63.7480
- (2) 40 CFR 63.7485
- (3) 40 CFR 63.7490 (a), (b), (d)
- (4) 40 CFR 63.7495 (a), (d)
- (5) 40 CFR 63.7499
- (6) 40 CFR 63.7500 (a), (e)
- (7) 40 CFR 63.7501
- (8) 40 CFR 63.7505 (a)
- (9) 40 CFR 63.7510 (a – e), (g)
- (10) 40 CFR 63.7515
- (11) 40 CFR 63.7520
- (12) 40 CFR 63.7521 (a), (b), (f)(1)
- (13) 40 CFR 63.7525 (a)
- (14) 40 CFR 63.7530
- (15) 40 CFR 63.7535
- (16) 40 CFR 63.7540
- (17) 40 CFR 63.7545 (a), (c-e)
- (18) 40 CFR 63.7550
- (19) 40 CFR 63.7555
- (20) 40 CFR 63.7560
- (21) 40 CFR 63.7565
- (22) 40 CFR 63.7570

- (23) 40 CFR 63.7575
- (24) Table 2
- (24) Table 3
- (25) Table 5
- (26) Table 7
- (27) Table 8
- (28) Table 9
- (29) Table 10

(b) 400-H5 and 500-H101:

- (1) 40 CFR 63.7480
- (2) 40 CFR 63.7485
- (3) 40 CFR 63.7490
- (4) 40 CFR 63.7495(b) and (d)
- (5) 40 CFR 63.7499(l)
- (6) 40 CFR 63.7500(a)(1)
- (7) 40 CFR 63.7505
- (8) 40 CFR 63.7530(d) and (e)
- (9) 40 CFR 63.7545(a), (b), and (e)
- (10) 40 CFR 63.7550(a)
- (11) 40 CFR 63.7555(a)
- (12) 40 CFR 63.7560
- (13) 40 CFR 63.7565
- (14) 40 CFR 63.7570
- (15) 40 CFR 63.7575
- (16) Table 3
- (17) Table 9
- (18) Table 10

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: CountryMark Refining and Logistics, LLC  
Source Address: 1200 Refinery Road, Mount Vernon, Indiana 47620  
Part 70 Permit No.: T129-48558-00003

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.**

Please check what document is being certified:

- ☐ Annual Compliance Certification Letter
- ☐ Test Result (specify)
- ☐ Report (specify)
- ☐ Notification (specify)
- ☐ Affidavit (specify)
- ☐ Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

## MALFUNCTION REPORT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
FAX NUMBER: (317) 233-6865  
EMAIL: AirCompl@idem.in.gov**

Source Name: CountryMark Refining and Logistics, LLC  
Source Address: 1200 Refinery Road, Mount Vernon, Indiana 47620  
Part 70 Permit No.: T129-48558-00003

For any malfunction lasting one (1) hour or longer, the Permittee must submit this form to the Office of Air Quality (OAQ), within four (4) daytime business hours of malfunction start.

If any of the following are not applicable, mark N/A. This form consists of two (2) pages.

Page 1 of 2

This malfunction resulted in a violation of the following Indiana Administrative Code, permit condition, and/or permit limit and meets the definition of "malfunction" as listed on reverse side (e.g., 326 IAC 5-1, Permit Condition D.1.1, 40 CFR 60.62, etc.):

Describe affected facility/equipment/operation (e.g., Coating Line #2, Boiler D, Diesel engine, No. 3 smelter, etc.):

Control equipment (e.g., Baghouse B4, Thermal oxidizer for Paint Line #1, etc.):

Description of the malfunction and cause:

When the malfunction started:

Date (MM/DD/YYYY):

Time (HH:MM):

When the malfunction was corrected or is expected to be corrected:

Date (MM/DD/YYYY):

Time (HH:MM):

|                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of pollutant(s) emitted (e.g., PM, PM10, PM2.5, VOC, etc.):                                                                                                                                                        |
| Estimated amount of pollutant(s) emitted during malfunction (e.g., VOC at 35 lbs/hr, 5 tons of PM, etc.):                                                                                                               |
| Describe the corrective actions and interim control measures taken to minimize emissions (e.g., shut coating line down, isolated failing baghouse compartment, idled furnace operations until repairs completed, etc.): |

Form completed by: \_\_\_\_\_

Title/position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

**326 IAC 1-6-1 Applicability of rule**

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1, 326 IAC 2-6.1, 326 IAC 2-7, or 326 IAC 2-8.

**326 IAC 1-2-39 "Malfunction" definition**

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION**

**Part 70 Quarterly Report**

Source Name: CountryMark Refining and Logistics, LLC  
Source Address: 1200 Refinery Road, Mount Vernon, Indiana 47620  
Part 70 Permit No.: T129-48558-00003  
Facility: Boiler B5  
Parameter: NOx emissions  
Limit: shall not exceed 31.05 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER:

YEAR:

| Month | Column 1   | Column 2           | Column 1 + Column 2 |
|-------|------------|--------------------|---------------------|
|       | This Month | Previous 11 Months | 12 Month Total      |
|       |            |                    |                     |
|       |            |                    |                     |
|       |            |                    |                     |

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.  
Deviation has been reported on:

Submitted by: \_\_\_\_\_  
Title / Position: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION  
PART 70 OPERATING PERMIT  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: CountryMark Refining and Logistics, LLC  
Source Address: 1200 Refinery Road, Mount Vernon, Indiana 47620  
Part 70 Permit No.: T129-48558-00003

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section C - Malfunctions Report satisfies the reporting requirements of paragraph (a) of Section C- General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

**Permit Requirement** (specify permit condition #)

**Date of Deviation:**

**Duration of Deviation:**

**Number of Deviations:**

**Probable Cause of Deviation:**

**Response Steps Taken:**

**Permit Requirement** (specify permit condition #)

**Date of Deviation:**

**Duration of Deviation:**

**Number of Deviations:**

**Probable Cause of Deviation:**

**Response Steps Taken:**

|                                                        |                               |
|--------------------------------------------------------|-------------------------------|
| <b>Permit Requirement</b> (specify permit condition #) |                               |
| <b>Date of Deviation:</b>                              | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>                           |                               |
| <b>Probable Cause of Deviation:</b>                    |                               |
| <b>Response Steps Taken:</b>                           |                               |
| <b>Permit Requirement</b> (specify permit condition #) |                               |
| <b>Date of Deviation:</b>                              | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>                           |                               |
| <b>Probable Cause of Deviation:</b>                    |                               |
| <b>Response Steps Taken:</b>                           |                               |
| <b>Permit Requirement</b> (specify permit condition #) |                               |
| <b>Date of Deviation:</b>                              | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>                           |                               |
| <b>Probable Cause of Deviation:</b>                    |                               |
| <b>Response Steps Taken:</b>                           |                               |

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**Indiana Department of Environmental Management  
Office of Air Quality**

**Technical Support Document (TSD) for a Part 70 Significant Source  
Modification and Significant Permit Modification**

|                                        |
|----------------------------------------|
| <b>Source Description and Location</b> |
|----------------------------------------|

|                                             |                                                        |
|---------------------------------------------|--------------------------------------------------------|
| <b>Source Name:</b>                         | <b>CountryMark Refining and Logistics, LLC</b>         |
| <b>Source Location:</b>                     | <b>1200 Refinery Road, Mount Vernon, Indiana 47620</b> |
| <b>County:</b>                              | <b>Posey</b>                                           |
| <b>SIC Code:</b>                            | <b>2911 (Petroleum Refining)</b>                       |
| <b>Operation Permit No.:</b>                | <b>T 129-48558-00003</b>                               |
| <b>Operation Permit Issuance Date:</b>      | <b>December 8, 2025</b>                                |
| <b>Significant Source Modification No.:</b> | <b>129-50133-00003</b>                                 |
| <b>Significant Permit Modification No.:</b> | <b>129-50297-00003</b>                                 |
| <b>Permit Reviewer:</b>                     | <b>Mykhail Helm</b>                                    |

|                          |
|--------------------------|
| <b>Source Definition</b> |
|--------------------------|

This petroleum refinery and marine vessel loading and unloading river dock terminal consists of two (2) plants:

- (a) Plant 1 is located at 1200 Refinery Road, Mount Vernon, IN 47620; and
- (b) Plant 2 is located at South Mann St. and West Ohio St., Mount Vernon, IN 47620.

However, these plants are located on one or more adjacent properties, have the same two digit SIC code and a support relationship, and are still under common ownership, therefore they are considered one (1) major source, as defined by 326 IAC 2-7-1(22).

A Part 70 Operating permits will be issued to CountryMark Refining and Logistics, LLC (129-00003). A separate Administrative Part 70 permit will be issued to CountryMark Cooperative, LLP (129-00037), solely for administrative purposes.

This determination was initially made under Significant Permit Modification No. 129-17940-00003, issued on November 24, 2003.

|                           |
|---------------------------|
| <b>Existing Approvals</b> |
|---------------------------|

The source was issued Part 70 Operating Permit Renewal No. 129-48558-00003 on December 8, 2025.

|                                 |
|---------------------------------|
| <b>County Attainment Status</b> |
|---------------------------------|

The source is located in Posey County.

Pursuant to amendments to Indiana Code IC 13-17-3-14, effective July 1, 2023, a federal regulation that classifies or amends a designation of attainment, nonattainment, or unclassifiable for any area in Indiana under the federal Clean Air Act is effective and enforceable in Indiana on the effective date of the federal regulation.

| Pollutant       | Designation                                                                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SO <sub>2</sub> | Unclassifiable or attainment effective April 9, 2018, for the 2010 primary 1-hour SO <sub>2</sub> standard. Better than national secondary standards effective March 3, 1978. |
| CO              | Unclassifiable or attainment effective November 15, 1990.                                                                                                                     |
| O <sub>3</sub>  | Unclassifiable or attainment effective January 16, 2018, for the 2015 8-hour ozone standard.                                                                                  |

| Pollutant         | Designation                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------|
| PM <sub>2.5</sub> | Unclassifiable or attainment effective April 15, 2015, for the 2012 annual PM <sub>2.5</sub> standard.     |
| PM <sub>2.5</sub> | Unclassifiable or attainment effective December 13, 2009, for the 2006 24-hour PM <sub>2.5</sub> standard. |
| PM <sub>10</sub>  | Unclassifiable effective November 15, 1990.                                                                |
| NO <sub>2</sub>   | Unclassifiable or attainment effective January 29, 2012, for the 2010 NO <sub>2</sub> standard.            |
| Pb                | Unclassifiable or attainment effective December 31, 2011, for the 2008 lead standard.                      |

- (a) Ozone Standards  
Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to ozone. Posey County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements of Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) PM<sub>2.5</sub>  
Posey County has been classified as attainment for PM<sub>2.5</sub>. Therefore, direct PM<sub>2.5</sub>, SO<sub>2</sub>, and NO<sub>x</sub> emissions were reviewed pursuant to the requirements of Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) Other Criteria Pollutants  
Posey County has been classified as attainment or unclassifiable in Indiana for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

#### Fugitive Emissions

Since this source is classified as a petroleum refinery, it is considered one (1) of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1), 326 IAC 2-3-2(g), or 326 IAC 2-7-1(20)(B). Therefore, fugitive emissions are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

The fugitive emissions of hazardous air pollutants (HAP) are counted toward the determination of Part 70 Permit applicability and source status under Section 112 of the Clean Air Act (CAA).

#### Greenhouse Gas (GHG) Emissions

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at <https://www.supremecourt.gov/opinions/opinions.aspx>) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

### Source Status - Existing Source

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

|                                                                                                                                                                                                                                                                                                                                                                                         | Source-Wide Emissions Prior to Modification (ton/year) |                               |                                   |                 |                 |      |      |                         |            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------|-----------------------------------|-----------------|-----------------|------|------|-------------------------|------------|
|                                                                                                                                                                                                                                                                                                                                                                                         | PM <sup>1</sup>                                        | PM <sub>10</sub> <sup>1</sup> | PM <sub>2.5</sub> <sup>1, 2</sup> | SO <sub>2</sub> | NO <sub>x</sub> | VOC  | CO   | Single HAP <sup>3</sup> | Total HAPs |
| <b>Total PTE of Entire Source Including Fugitives*</b>                                                                                                                                                                                                                                                                                                                                  | >100                                                   | >100                          | >100                              | >100            | >100            | >100 | >100 | >10                     | >25        |
| Title V Major Source Thresholds                                                                                                                                                                                                                                                                                                                                                         | NA                                                     | 100                           | 100                               | 100             | 100             | 100  | 100  | 10                      | 25         |
| PSD Major Source Thresholds                                                                                                                                                                                                                                                                                                                                                             | 100                                                    | 100                           | 100                               | 100             | 100             | 100  | 100  | --                      | --         |
| <sup>1</sup> Under the Part 70 Permit program (40 CFR 70), PM <sub>10</sub> and PM <sub>2.5</sub> , not particulate matter (PM), are each considered as a "regulated air pollutant."<br><sup>2</sup> PM <sub>2.5</sub> listed is direct PM <sub>2.5</sub> .<br><sup>3</sup> Single highest source-wide HAP<br>*Fugitive HAP emissions are always included in the source-wide emissions. |                                                        |                               |                                   |                 |                 |      |      |                         |            |

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a PSD regulated pollutant(s), PM PM<sub>10</sub> PM<sub>2.5</sub> SO<sub>2</sub> NO<sub>x</sub> VOC CO, is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (b) This source is a major source of HAP, as defined in 40 CFR 63.2, because HAP emissions are equal to or greater than ten (10) tons per year for a single HAP and equal to or greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).
- (c) These emissions are based on the TSD of Part 70 Renewal No. 129-48558-00003, issued on December 8, 2025.

### Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed an application, submitted by CountryMark Refining and Logistics on March 5, 2026, relating to revising permit conditions and incorporating requirements from the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH into the Part 70 permit.

### Enforcement Issues

This permitting action incorporates additional requirements of the Consent Decree filed in US et al vs. Countrymark Refining and Logistics, LLC, 3:13-cv-30-RLY-WGH.

### Permit Level Determination – Part 70 Modification to an Existing Source

There are no new emission units or modifications to existing emission units (i.e., no physical change or change in the method of operation occurring at the source) as a result of this modification. See the "Description of Proposed Modification " section above for more detail.

- (a) **Approval to Construct**  
Pursuant to 326 IAC 2-7-10.5(b) and (k), a Significant Source Modification is required because this modification incorporates the control requirements and emission limitations that are set forth in a federal consent decree that is entered into for the purpose of resolving alleged violations.
- (b) **Approval to Operate**  
Pursuant to 326 IAC 2-7-12(d)(1), this change to the permit is being made through a Significant Permit Modification because this modification does not qualify as a Minor Permit Modification or as an Administrative Amendment.

**PTE of the Entire Source After Issuance of the Part 70 Modification**

The table below summarizes the after issuance source-wide potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of the Part 70 source and/or permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

|                                                        | Source-Wide Emissions After Issuance (ton/year) |                               |                                   |                 |                 |      |      |                         |            |
|--------------------------------------------------------|-------------------------------------------------|-------------------------------|-----------------------------------|-----------------|-----------------|------|------|-------------------------|------------|
|                                                        | PM <sup>1</sup>                                 | PM <sub>10</sub> <sup>1</sup> | PM <sub>2.5</sub> <sup>1, 2</sup> | SO <sub>2</sub> | NO <sub>x</sub> | VOC  | CO   | Single HAP <sup>3</sup> | Total HAPs |
| <b>Total PTE of Entire Source Including Fugitives*</b> | >100                                            | >100                          | >100                              | >100            | >100            | >100 | >100 | >10                     | >25        |
| Title V Major Source Thresholds                        | NA                                              | 100                           | 100                               | 100             | 100             | 100  | 100  | 10                      | 25         |
| PSD Major Source Thresholds                            | 100                                             | 100                           | 100                               | 100             | 100             | 100  | 100  | --                      | --         |

<sup>1</sup>Under the Part 70 Permit program (40 CFR 70), PM<sub>10</sub> and PM<sub>2.5</sub>, not particulate matter (PM), are each considered as a "regulated air pollutant."  
<sup>2</sup>PM<sub>2.5</sub> listed is direct PM<sub>2.5</sub>.  
<sup>3</sup>Single highest source-wide HAP  
 \*Fugitive HAP emissions are always included in the source-wide emissions.

- (a) This existing major PSD stationary source will continue to be major under 326 IAC 2-2 because at least one pollutant, PM PM<sub>10</sub> PM<sub>2.5</sub> SO<sub>2</sub> NO<sub>x</sub> VOC CO, has emissions equal to or greater than the PSD major source threshold.
- (b) This existing major source of HAP will continue to be a major source of HAP, as defined in 40 CFR 63.2, because HAP emissions will continue to be equal to or greater than ten (10) tons per year for any single HAP and/or equal to or greater than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

**Federal Rule Applicability Determination**

Due to the modification at this source, federal rule applicability has been reviewed as follows:

**New Source Performance Standards (NSPS):**

- (a) There are no New Source Performance Standards (40 CFR Part 60) and 326 IAC 12 included in the permit for this proposed modification.

**National Emission Standards for Hazardous Air Pollutants (NESHAP):**

- (a) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (40 CFR Part 63, 326 IAC 14, and 326 IAC 20) included in the permit for this proposed modification.

**Compliance Assurance Monitoring (CAM):**

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each pollutant-specific emission unit that meets the following criteria:
- (1) has a potential to emit before controls equal to or greater than the major source threshold for the regulated pollutant involved;
  - (2) is subject to an emission limitation or standard for that pollutant (or a surrogate thereof); and
  - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.
- (b) Pursuant to 40 CFR 64.2(b)(1)(i), emission limitations or standards proposed after November 15, 1990 pursuant to a NSPS or NESHAP under Section 111 or 112 of the Clean Air Act are exempt from the requirements of CAM. Therefore, an evaluation was not conducted for any emission limitations or standards proposed after November 15, 1990 pursuant to a NSPS or NESHAP under Section 111 or 112 of the Clean Air Act.
- (c) Pursuant to 40 CFR 64.2(b)(1)(iii), Acid Rain requirements pursuant to Sections 404, 405, 406, 407(a), 407(b), or 410 of the Clean Air Act are exempt emission limitations or standards. Therefore, CAM was not evaluated for emission limitations or standards for SO<sub>2</sub> and NO<sub>x</sub> under the Acid Rain Program.
- (d) Pursuant to 40 CFR 64.3(d), if a continuous emission monitoring system (CEMS) is required pursuant to other federal or state authority, the owner or operator shall use the CEMS to satisfy the requirements of CAM according to the criteria contained in 40 CFR 64.3(d).

Based on this evaluation, the requirements of 40 CFR Part 64, CAM, are not applicable to any of the existing units as part of this modification.

|                                                 |
|-------------------------------------------------|
| <b>State Rule Applicability - Entire Source</b> |
|-------------------------------------------------|

Due to this modification, state rule applicability has been reviewed as follows:

There are no new or modified units, there are no new state rules being added to the permit.

|                                                         |
|---------------------------------------------------------|
| <b>State Rule Applicability – Individual Facilities</b> |
|---------------------------------------------------------|

Due to this modification, state rule applicability has been reviewed as follows:

There are no new or modified units, there are no new state rules being added to the permit.

|                                                             |
|-------------------------------------------------------------|
| <b>Compliance Determination and Monitoring Requirements</b> |
|-------------------------------------------------------------|

Permits issued under 326 IAC 2-7 are required to assure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in

the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

- (a) The Compliance Determination Requirements applicable to this modification are as follows:
- (1) Pursuant to Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH, as stated in paragraph 12, NO<sub>x</sub> emissions from the FCCU, during any such period of Startup, Shutdown, or Malfunction shall be monitored with CEMS as provided by paragraph 13.
  - (2) As stated in paragraph 15, SO<sub>2</sub> emissions during period of malfunction of the FCCU catalyst additive system shall not be used in determining compliance with the short-term limit in subparagraph 14.a, provided that during such periods, CountryMark implements good air pollution control practices as required by 40 CFR 60.11(d) to minimize SO<sub>2</sub> emissions. As stated in paragraph 15, SO<sub>2</sub> emissions from the FCCU during any such period of Malfunction shall be monitored with CEMS as provided by paragraph 16.

Continuous Emissions Monitoring System (CEMS) and Continuous Opacity Monitoring (COM) Requirements:

| Emission Unit | Type of Continuous Monitor (Pollutant Monitored)                  | Applicable Rule or Authority         |
|---------------|-------------------------------------------------------------------|--------------------------------------|
| FCCU          | CEMS (NO <sub>x</sub> ) during Startup, Shutdown, or Malfunction. | Consent Decree 3:13-CV-00030-RLY-WGH |
| FCCU          | CEMS (SO <sub>2</sub> ) during any such period of Malfunction.    | Consent Decree 3:13-CV-00030-RLY-WGH |

- (b) The Compliance Monitoring Requirements applicable to this proposed modification are as follows:

| Emission Unit | Type of Parametric Monitoring | Frequency                                                          | Range or Specification                          |
|---------------|-------------------------------|--------------------------------------------------------------------|-------------------------------------------------|
| FCCU          | Visible emission notations    | In the event that the CEMS malfunctions or is down for maintenance | Verify whether emissions are normal or abnormal |

These monitoring conditions are necessary because the FCCU must operate properly to assure compliance with 40 CFR 60, Subpart J and 40 CFR 60, Subpart Ja.

|                         |
|-------------------------|
| <b>Proposed Changes</b> |
|-------------------------|

As part of this permit approval, the permit may contain new or different permit conditions and some conditions from previously issued permits/approvals may have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes.

The following changes listed below are due to the proposed modification. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text (these changes may include Title I changes):

- (1) IDEM, OAQ has included the actual date of entry and the date of lodging of the Consent Decree in permit Condition C.21.
- (2) IDEM, OAQ has added the specific emission unit ID for the Tail Gas Treatment System and Sulfur stack and Tail Gas emission points to the CEMS monitoring requirement in Condition D.1.5.
- (3) IDEM, OAQ has added CEMS monitoring during startup, shutdown, or malfunction for NOx emissions in Condition D.16.
- (4) IDEM, OAQ has added CEMS monitoring during malfunction in Condition D.1.6.
- (5) As required by paragraph 17.b of the consent decree, by no later than June 30, 2014, CountryMark shall notify EPA of its decision to continue to operate the current FCCU, then by no later than December 31, 2016, with respect to particulate matter ("PM"), the FCCU catalyst regenerator shall be an "affected facility" as that term used in the NSPS and shall be subject to and comply with the requirements in Subparts A and J, including all monitoring, recordkeeping, reporting, and operating requirements. However, pursuant to 40 CFR 60.100(e), the Permittee requested to comply with these requirements by complying with 40 CFR 60, Subpart Ja. Pursuant to 40 CFR 60.102a(b)(iii), the FCCU is subject to the limit. IDEM, OAQ has added a particulate emission limit for the FCCU in Condition D.1.6.
- (6) IDEM, OAQ has corrected the permit reference for NOx, CO, and SO2 limits in Condition D.1.10(a).
- (7) IDEM, OAQ has added CEMS monitoring during startup, shutdown, or malfunction for NOx and SO2 emissions of the FCCU and the FCCU's catalyst additive system in Condition D.1.10.
- (8) IDEM, OAQ has corrected the citation for the federal monitoring requirements in Condition D.1.12(d).
- (9) IDEM, OAQ has corrected the consent decree paragraph reference and added Boiler B4 to the affected facilities in Condition D.3.4(a).
- (10) IDEM, OAQ has listed existing units in Condition D.3.6(a) and D.3.6(b).
- (11) IDEM, OAQ has corrected and added the Consent Decree reference in Condition D.3.11(a).
- (12) Per the inspection done on April 6, 2026, the source has no closed vent systems or control devices for which 60.692-5 would be applicable and instead are complying with 60.692-2. IDEM, OAQ has corrected the rule applicability for 40 CFR 60 Subpart QQQ in Section E.9.

...

C.21 Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Definitions

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As specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH and pursuant to SSM No. 129-33810-00003: **issued March 5, 2014, SSM No. 129-50133-00003, and 326 IAC 2-7-10.5(b)(2)**, the following definitions shall apply to sections C.19 - Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Definitions, C.20 - Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Force Majeure, D.2.2 - Standards of Performance for Petroleum Refineries [326 IAC 12][40 CFR 60, Subpart J][326 IAC 2-7-10.5], D.2.3 - Standards of Performance for Petroleum Refineries [326 IAC 12][40 CFR 60, Subpart Ja][326 IAC 2-7-10.5], D.2.4 - Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Requirements [326 IAC 2-7-10.5], D.2.5 - Consent Decree Requirements [326 IAC 2-7-10.5], D.2.7 - Continuous Emissions Monitoring [326 IAC 3-5][326 IAC 2-7-6(1),(6)][40 CFR 60, Subpart Ja], D.2.8 - Continuous Opacity Monitoring [326 IAC 3-5][326 IAC 2-7-6(1),(6)][40 CFR 60, Subpart Ja], D.5.5 - Consent Decree (Civil No. 3:13-CV-

00030-RLY-WGH) Requirements, D.5.6 - Consent Decree Requirements [326 IAC 2-7-10.5], D.5.7- Consent Decree Requirements [326 IAC 2-7-10.5] – Main Flare, D.5.8 - Standards of Performance for Petroleum Refineries [326 IAC 12][40 CFR 60, Subpart J][40 CFR 60, Subpart Ja][326 IAC 2-7-10.5], D.5.11 - NO<sub>x</sub> Limitation Averaging Time and Monitoring Requirements, D.5.12 - Continuous Emissions Monitoring [326 IAC 3-5][326 IAC 2-7-6(1),(6)][40 CFR 60, Subpart Db], Section E.3 - 40 CFR Part 60, Subpart J, and E.12 - 40 CFR Part 60, Subpart Ja of the permit:

...

(m) "Date of Entry of the Consent Decree" or "Date of Entry" shall mean the date the Consent Decree is entered by the United States District Court for the Southern District of Indiana-, **that is April 22, 2013.**

(n) "Date of Lodging of the Consent Decree" or "Date of Lodging" or "DOL" shall mean the date the Consent Decree is filed for lodging with the Clerk of the Court for the United States District Court for the Southern District of Indiana-, **that is February 28, 2013.**

...

D.1.5 Standards of Performance for Petroleum Refineries [326 IAC 12] [40 CFR 60, Subpart Ja] [326 IAC 2-7-10.5]

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Pursuant to SSM No. 129-33810-00003: issued on March 5, 2014, **SSM No. 129-50133-00003, 326 IAC 2-7-10.5(b)(2)**, and as specified by the Consent Decree entered in Civil No. . 3:13-CV-00030-RLY-WGH in Paragraphs 39, 40, 41, and 43, the Permittee shall comply with the following on or after February 28, 2013:

...

(d) The Permittee shall, for the SRP monitor all Tail Gas emission points (stacks) to the atmosphere and install and operate an NSPS-compliant CEMS in accordance with NSPS Subpart Ja. **The stack for the Tail Gas Treatment System and Sulfur Recovery System, identified as 124, requires CEMS to monitor Tail Gas emission points 124-1, 124-2, 124-3, and 124-4.**

...

D.1.6 Consent Decree (Civil No. 3:13-CV-00030-RLY-WGH) Requirements [326 IAC 2-7-10.5]

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Pursuant to SSM No .129-33810-00003:, issued on March 5, 2014, **SSM No. 129-50133-00003, 326 IAC 2-7-10.5(b)(2)**, and as specified by the Consent Decree entered in Civil No. . 3:13-CV-00030-RLY-WGH in paragraphs 11, 12, 14, 15, 21, and 42, the Permittee shall comply with the following:

...

(b) NO<sub>x</sub> emissions during periods of Startup, Shutdown, or Malfunction of the FCCU or during periods of Malfunction of the FCCU's catalyst additive system shall not be used in determining compliance with the "7-day rolling average" NO<sub>x</sub> emission limits required by the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH at the FCCU, provided that during such periods the Permittee implements good air pollution control practices as required by 40 CFR 60.11(d) to minimize NO<sub>x</sub> emissions at the FCCU.

NO<sub>x</sub> emissions during periods of Startup, Shutdown, or Malfunction shall be used in determining compliance with the "365-day rolling average" NO<sub>x</sub> emission limits required by the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH at the FCCU. **Emissions during any such period of Startup, Shutdown, or Malfunction shall be monitored with a CEMS.**

...

(d) SO<sub>2</sub> emissions during periods of ~~Startup, Shutdown, or~~ Malfunction shall not be used in determining compliance with the "7-day rolling average" SO<sub>2</sub> emission limits at the FCCU, provided that during such periods the Permittee implements good air pollution control practices as required by 40 CFR 60.11(d) to minimize SO<sub>2</sub> emissions at the FCCU.

SO<sub>2</sub> emissions during periods of Startup, Shutdown, or Malfunction shall be used in determining compliance with the "365-day rolling average" SO<sub>2</sub> emission limits required

by the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH at the FCCU. **Emissions during any such period of Malfunction shall be monitored with a CEMS.**

- ...
- (h) Pursuant to SSM No. 129-50133-00003, and 326 IAC 2-7-10.5(b)(2), The emissions of PM from the FCCU shall not exceed 0.040 grain per dry standard cubic feet (gr/dscf) corrected to 0 percent excess air on a seven (7) day rolling average.

...

D.1.10 Continuous Emissions Monitoring [326 IAC 3-5] [326 IAC 2-7-6(1),(6)] [40 CFR 60, Subpart J] [40 CFR 60, Subpart Ja]

- 
- (a) Pursuant to SSM No.129-33810-00003: issued on March 5, 2014, **SSM No. 129-50133-00003, 326 IAC 2-7-10.5(b)(2),** and ~~as specified by the Consent Decree~~ **by no later than the "Date of Entry" of the Consent Decree,** entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraphs 16, 23, and 13, the Permittee shall comply with the following:

The Permittee shall use NO<sub>x</sub>, SO<sub>2</sub>, CO, and O<sub>2</sub> CEMS to demonstrate compliance with the NO<sub>x</sub>, CO, and SO<sub>2</sub> limits in Condition ~~D.1.4 and D.1.5~~ **D.1.6(a), (c), and (e).** The Permittee shall install, certify, calibrate, maintain and operate the NO<sub>x</sub>, SO<sub>2</sub>, CO and O<sub>2</sub> CEMS for the FCCU in accordance with the provisions of 40 CFR 60.13 that are applicable to CEMS (excluding those provisions applicable only to Continuous Opacity Monitoring Systems) and Part 60 Appendices A and F, and the applicable performance specification test of 40 CFR Part 60 Appendix B. However, unless Appendix F is required by the NSPS, state law or regulation, or a permit or approval, in lieu of the requirements of 40 CFR Appendix F 5.1.1, 5.1.3, and 5.1.4, the Permittee may conduct: (1) either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) once every three years: and (2) a Cylinder Gas Audit (CGA) each calendar quarter in which a RAA or RATA is not performed. If the CEMS must be moved because of the installation of control equipment, the Permittee shall promptly reinstall, re-calibrate, and re-certify the CEMS.

- ...
- (f) Pursuant to SSM No. 129-50133-00003, and 326 IAC 2-7-10.5(b)(2), NO<sub>x</sub> emissions during any period of Startup, Shutdown, or Malfunction of the FCCU or during period of Malfunction of the FCCU's catalyst additive system shall be monitored with a CEMS.
- (g) Pursuant to SSM No. 129-50133-00003, and 326 IAC 2-7-10.5(b)(2), SO<sub>2</sub> emissions during any period of the FCCU catalyst additive system shall be monitored with a CEMS.
- ~~(f)~~(h) All continuous emissions monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- ~~(g)~~(i) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5, 40 CFR 60, Subpart J, and 40 CFR 60, Subpart Ja.

...

D.1.12 PM, NO<sub>x</sub>, SO<sub>2</sub>, H<sub>2</sub>S, CO and O<sub>2</sub> Continuous Emissions Monitoring (CEMS) Equipment Downtime

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- ....
- (d) The Permittee has opted to comply with monitoring of PM pursuant to 40 CFR 60.105~~(a)~~(d) and 326 IAC 3-5-1(c)(1). Thus, upon installation of the ESP and PM CEMS, the continuous opacity monitoring requirements in Condition D.1.10 and D.1.12 are no longer applicable.
- ...

D.3.4 Standards of Performance for Petroleum Refineries [326 IAC 12] [40 CFR 60, Subpart J] [40 CFR 60, Subpart Ja] [326 IAC 2-7-10.5]

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- (a) Pursuant to SSM No. 129-35410-00003: issued on April 15, 2015, **SSM No. 129-50133-00003, 326 IAC 2-7-10.5(b)(2)**, and as specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraph ~~38~~ **35**, the FCCU Raw Oil Pre-Heater (500-H101), Crude heater (200-H2), Unifiner heater (400-H5), Vacuum heater (200-H4), Old Platformer heater (Naphtha Splitter Reboiler 900-H2), Alkylation unit heater (100-H1), Auxiliary crude heater (200-H1), Platformer stabilizer (300-H4), boiler (B1), **boiler (B4)**, and the Vacuum heater husky (200-H3) shall be affected facilities as that term is used in 40 CFR 60, Subparts A and J, and shall be subject to and comply with the requirements of Subparts A and J for fuel gas combustion devices, including all monitoring, recordkeeping, reporting and operating requirements.

...

D.3.6 Consent Decree Requirements [326 IAC 2-7-10.5]

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Pursuant to SSM No. 129-33810-00003: issued on March 5, 2014, **SSM No.129-50133-00003, 326 IAC 2-7-10.5(b)(2)**, and as specified by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraph 38, the Permittee:

- (a) Shall not burn Fuel Oil in any existing (**as of the "Date of entry"**) combustion device except during periods of Natural Gas Curtailment, Test Runs, or operator training. Nothing in this prohibition limits the Permittee's ability to burn Torch Oil in an FCCU regenerator to assist in starting, restarting, maintaining hot standby, or maintaining regenerator heat balance. **Existing combustion units were listed in Appendix A of the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH as follows: Crude Heater; CCR platformer Heater; No. 1 Boiler, No 2 Boiler; No. 3 Boiler (shutdown prior to the "Date of Entry," on September 22, 2009); and No. 4 Boiler.**
- (b)(1) Shall not construct any new combustion device that burns Fuel Oil unless the air pollution control equipment controlling the combustion device either:
- (4A) has an SO<sub>2</sub> control efficiency of 90% or greater; or
- (2B) achieves an SO<sub>2</sub> concentration of 20 ppm or less at 0% O<sub>2</sub> on a 3-hour rolling average basis.
- (2) **The following combustion devices have been constructed since the Date of Lodging:**
- (4A) **One (1) natural gas or refinery gas fired boiler, constructed in 2014, identified as boiler B5;**
- (2B) **One (1) Fluid Catalytic Cracking Unit (FCCU) Raw Oil Pre-heater, installed in 2019, identified as 500-H101;**
- (3C) **One (1) Unifiner heater, identified as 400-H5, modified in 2019.**
- (3) Nothing in this Condition exempts the Permittee from securing all necessary permits before constructing a new combustion device.

...

D.3.11 Continuous Emissions Monitoring [326 IAC 3-5] [326 IAC 2-7-6(1),(6)][40 CFR 60, Subpart Db][40 CFR 60, Subpart J][40 CFR 60, Subpart Ja]

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- (a) Pursuant to SSM No. 129-33810-00003: issued on March 5, 2014, **SSM No.129-50133-00003, 326 IAC 2-7-10.5(b)(2)**, and as required by the Consent Decree entered in Civil No. 3:13-CV-00030-RLY-WGH in paragraph ~~32~~ **31.a**, the Permittee shall use NO<sub>x</sub> CEMS to demonstrate compliance with the NO<sub>x</sub> limits in Condition D.3.5. **As required by**

**Paragraph 32 of the Consent Decree in Civil No. 3:13-CV-00030-RLY-WGH, the** The Permittee shall install, certify, calibrate, maintain and operate any NO<sub>x</sub> CEMS required by Paragraph 31.a in accordance with the provisions of 40 CFR 60.13 that are applicable to CEMS (excluding those provisions applicable only to Continuous Opacity Monitoring Systems) and Part 60 Appendices A and F, and the applicable performance specification test of 40 CFR Part 60 Appendix B. However, unless Appendix F is required by the NSPS, state law or regulation, or a permit or approval, in lieu of the requirements of 40 CFR Appendix F 5.1.1, 5.1.3, and 5.1.4, the Permittee may conduct: (1) either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) once every three years: and (2) a Cylinder Gas Audit (CGA) each calendar quarter in which a RAA or RATA is not performed. If the CEMS must be moved because of the installation of control equipment, the Permittee shall promptly reinstall, re-calibrate, and re-certify the CEMS.

...

E.9.2 VOC Emissions from Petroleum Refinery Wastewater Systems NSPS [326 IAC 12] [40 CFR Part 60, Subpart QQQ]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart QQQ, which are incorporated by reference as 326 IAC 12 (included as Attachment K to the operating permit), for the emissions unit(s) listed above.

- (1) 40 CFR 60.690
- (2) 40 CFR 60.691
- (3) 40 CFR 60.692-1
- (4) 40 CFR 60.692-2**
- ~~(4)(5)~~ 40 CFR 60.692-3 (a), (c), (d), (f)
- ~~(5)~~ ~~40 CFR 60.692-5~~
- (6) 40 CFR 60.692-6
- (7) 40 CFR 60.692-7
- (8) 40 CFR 60.693-2
- (9) 40 CFR 60.696 (a), (c), (d)
- (10) 40 CFR 60.697 (a), (c), (e), (k)
- (11) 40 CFR 60.699

...

**Additional Changes**

IDEM, OAQ made additional changes to the permit as described below in order to update the language to match the most current version of the applicable rule, to eliminate redundancy within the permit, and to provide clarification regarding the requirements of these conditions.

- (1) The Malfunction Report condition is revised to provide clarification. The permit is revised as shown below with deleted language as ~~strikeouts~~ and new language **bolded**:

...

C.16 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, startups, or shutdowns of any emission unit or emission control equipment, that results in violations of applicable air pollution control regulations or applicable emission limitations must be kept and retained for a period of three (3) years and **shall** be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any emission unit or emission control equipment ~~occurs that:~~ **results in violations of applicable air pollution control regulations or applicable**

**emissions limitations and 2)** lasts more than one (1) hour, the condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages) **or its equivalent**. Notification must be made by telephone or other electronic means, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of the occurrence.

- (c) Failure to report a malfunction **under subsection (b) of this condition** of any emission unit or emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information ~~on~~ **of** the scope and expected duration of the malfunction must be provided, including the items specified in 326 IAC 1-6-2(c)(3)(A) through (E).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

...

#### Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on March 5, 2026.

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 129-50133-00003. The operation of this proposed modification shall be subject to the conditions of the attached proposed Significant Permit Modification No. 129-50297-00003.

The staff recommends to the Commissioner that the Part 70 Significant Source Modification and Significant Permit Modification be approved.

#### IDEM Contact

- (a) If you have any questions regarding this permit, please contact Mykhail Helm, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, Indiana Government Center North, 100 North Senate Avenue, Room 13W, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-1243 or (800) 451-6027, and ask for Mykhail Helm or 317-454-1445.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <https://www.in.gov/idem/airpermit/public-participation/>; and the Citizens' Guide to IDEM on the Internet at: <https://www.in.gov/idem/resources/citizens-guide-to-idem/>.



## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 N. Senate Avenue • Indianapolis, IN 46204  
(800) 451-6027 • (317) 232-8603 • Fax (317) 233-6647 • [www.idem.IN.gov](http://www.idem.IN.gov)

**Mike Braun**  
Governor

**Clint Woods**  
Commissioner

### SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Jim Pankey  
CountryMark Refining and Logistics LLC  
401 Southwind Plaza  
Mount Vernon, IN 47620

DATE: September 25, 2026

FROM: Jenny Acker, Branch Chief  
Permits Branch  
Office of Air Quality

SUBJECT: Final Decision  
Title V – Significant Source Modification (Minor PSD/EO)  
129-50133-00003

This notice is to inform you that a final decision has been issued for the air permit application referenced above.

Our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person. In addition, the Notice of Decision has been sent to the OAQ Permits Branch Interested Parties List and, if applicable, the Consultant/Agent and/or Responsible Official/Authorized Individual.

The original signature page is enclosed for your convenience. The final decision and supporting materials are available electronically at:

**IDEM's online searchable database:** <https://www.in.gov/apps/idem/caats/> . Choose Search Option by **Permit Number**, then enter permit 50133

and

**IDEM's Virtual File Cabinet (VFC):** A copy of the issued permit is also available via IDEM's Virtual File Cabinet (VFC) located at <https://www.in.gov/idem/legal/public-records/virtual-file-cabinet/>. Click on the Virtual File Cabinet button. Click on the "Search" dropdown menu in the upper left corner and select "OAQ Permit" from the list of options. Select "Public" in the "Security group" dropdown menu. Type the five-digit permit number 50133 in the Permit # search field, select "Final" in the "Permit Type" dropdown menu, then click the search button at the top or bottom of the webpage. The search will return the final issued permit and any applicable mailing list.

If you have requested to receive a hard copy of these documents, the final decision and supporting documents for the air permit application referenced above are enclosed. If applicable, this packet contains the original, signed, permit documents.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, or have difficulty accessing the documents online, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at [jbrush@idem.IN.gov](mailto:jbrush@idem.IN.gov).

Final Applicant Cover Letter

Visit [on.IN.gov/survey](https://on.IN.gov/survey) or scan the QR code to provide feedback.

*We appreciate your input!*





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**Mike Braun**  
*Governor*

**Clint Woods**  
*Commissioner*

September 25, 2026

TO: Alexandrian Public Library

From: Jenny Acker, Branch Chief  
Permits Branch  
Office of Air Quality

Subject: **Important Information for Display Regarding a Final Determination**

**Applicant Name: CountryMark Refining and Logistics LLC**  
**Permit Number: 129-50133-00003**

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures  
Final Library 1/13/2025

Visit [on.IN.gov/survey](https://on.IN.gov/survey) or scan the QR code to provide feedback.

*We appreciate your input!*





## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 N. Senate Avenue • Indianapolis, IN 46204  
(800) 451-6027 • (317) 232-8603 • Fax (317) 233-6647 • [www.idem.IN.gov](http://www.idem.IN.gov)

**Mike Braun**  
Governor

**Clint Woods**  
Commissioner

**September 25, 2026**  
**CountryMark Refining and Logistics LLC**  
**129-50133-00003**

To: Interested Parties

This notice is to inform you that a final decision has been issued for the air permit application referenced above. This notice is for informational purposes only. You are not required to take any action.

You are receiving this notice because you asked to be on IDEM's notification list for this company and/or county; or because your property is nearby the company being permitted; or because you represent a local/regional government entity.

The enclosed Notice of Decision Letter provides additional information about the final permit decision.

The final decision is available on the IDEM website at: <https://www.in.gov/apps/idem/caats/>. To view the document, choose Search Option by **Permit Number**, then enter permit 50133

The final decision is also available via IDEM's Virtual File Cabinet (VFC) located at <https://www.in.gov/idem/legal/public-records/virtual-file-cabinet/>. Click on the Virtual File Cabinet button. Click on the "Search" dropdown menu in the upper left corner and select "OAQ Permit" from the list of options. Select "Public" in the "Security group" dropdown menu. Type the five-digit permit number 50133 in the Permit # search field, select "Final" in the "Permit Type" dropdown menu, then click the search button at the top or bottom of the webpage. The search will return the final issued permit and any applicable mailing list.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit.

**Please Note:** *If you would like to be removed from the Air Permits mailing list, please contact Joanne Smiddie-Brush with the Air Permits Administration Section at 1-800-451-6027, ext. 3-0185 or via e-mail at [JBRUSH@IDEM.IN.GOV](mailto:JBRUSH@IDEM.IN.GOV). If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure  
Final Interested Parties Cover Letter



# Mail Code 61-53

|                            |                                                                                    |                                                                                                                                     |                                                         |                                                                |
|----------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------|
| IDEM Staff                 | KBOURQUE 9/25/2026<br>Countrymark Refining & Logistics LLC 129-50133-00003 (final) |                                                                                                                                     |                                                         | AFFIX STAMP<br>HERE IF<br>USED AS<br>CERTIFICATE<br>OF MAILING |
| Name and address of Sender |   | Indiana Department of Environmental Management<br>Office of Air Quality – Permits Branch<br>100 N. Senate<br>Indianapolis, IN 46204 | Type of Mail:<br><br><b>CERTIFICATE OF MAILING ONLY</b> |                                                                |

| Line | Article Number | Name, Address, Street and Post Office Address                                                                                        | Postage | Handling Charges | Act. Value (If Registered) | Insured Value | Due Send if COD | R.R. Fee | S.D. Fee | S.H. Fee | Rest. Del. Fee |
|------|----------------|--------------------------------------------------------------------------------------------------------------------------------------|---------|------------------|----------------------------|---------------|-----------------|----------|----------|----------|----------------|
|      |                |                                                                                                                                      |         |                  |                            |               |                 |          |          |          | Remarks        |
| 1    |                | Jim Pankey Countrymark Refining & Logistics LLC 401 Southwind Plz Mount Vernon IN 47620 (Source CAATS) Sent Via FedEx Express Saver  |         |                  |                            |               |                 |          |          |          |                |
| 2    |                | Ada Cuadrado Vice President of Operations Countrymark Refining & Logistics LLC 401 Southwind Plz Mount Vernon IN 47620 (RO CAATS)    |         |                  |                            |               |                 |          |          |          |                |
| 3    |                | Posey County Commissioners County Courthouse, 126 E 3rd St Mount Vernon IN 47620 (Local Official)                                    |         |                  |                            |               |                 |          |          |          |                |
| 4    |                | Posey County Health Department 100 Vista Dr Mount Vernon IN 47620 (Health Department)                                                |         |                  |                            |               |                 |          |          |          |                |
| 5    |                | Mount Vernon City Council and Mayors Office 520 Main St Mount Vernon IN 47620 (Local Official)                                       |         |                  |                            |               |                 |          |          |          |                |
| 6    |                | Alexandrian Public Library 115 W 5th St Mount Vernon IN 47620 (Library)                                                              |         |                  |                            |               |                 |          |          |          |                |
| 7    |                | Mr. Mark Wilson Evansville Courier & Press PO Box 268 Evansville IN 47702-0268 (Affected Party)                                      |         |                  |                            |               |                 |          |          |          |                |
| 8    |                | David Boggs 216 Western Hills Dr Mount Vernon IN 47620 (Affected Party)                                                              |         |                  |                            |               |                 |          |          |          |                |
| 9    |                | Jenna Vanderbosch Environmental Resources Management (ERM) 8425 Woodfield Crossing Blvd Ste 560-W Indianapolis IN 46240 (Consultant) |         |                  |                            |               |                 |          |          |          |                |
| 10   |                |                                                                                                                                      |         |                  |                            |               |                 |          |          |          |                |
| 11   |                |                                                                                                                                      |         |                  |                            |               |                 |          |          |          |                |
| 12   |                |                                                                                                                                      |         |                  |                            |               |                 |          |          |          |                |
| 13   |                |                                                                                                                                      |         |                  |                            |               |                 |          |          |          |                |
| 14   |                |                                                                                                                                      |         |                  |                            |               |                 |          |          |          |                |
| 15   |                |                                                                                                                                      |         |                  |                            |               |                 |          |          |          |                |

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