PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: 012018 - 005 Project Number: 2017-08-051
Installation Number: 081-0021
Parent Company: Flint Hills Resources Pine Bend, LLC
Parent Company Address: P.O. Box 64596, St. Paul, MN 55164
Installation Name: Flint Hills Resources Pine Bend, LLC - Bethany Station
Installation Address: 25346 E. 110th PL., Eagleville, MO 64442
Location Information: Harrison County, S3, T66N, R27W

Application for Authority to Construct was made for:
Construct a pipeline to allow transfer of gasoline and distillates from Magellan Pipeline to Bethany Station, making the installation a gasoline pipeline breakout station. This review was conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required.

☐ Standard Conditions (on reverse) are applicable to this permit.
☑ Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

Prepared by
David Little, PE
Environmental Engineer III
New Source Review Unit

Director of Designee
Department of Natural Resources
JAN 29 2018

Effective Date
STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Enforcement and Compliance Section of the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Enforcement and Compliance Section of the Department's Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). The information must be made available within 30 days of actual startup. Also, you must notify the Department's regional office responsible for the area within which you are located within 15 days after the actual start up of this (these) air contaminant source(s).

A copy of the permit application and this permit and permit review shall be kept at the installation address and shall be made available to Department's personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant source(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit using the contact information below.

Contact Information:
Missouri Department of Natural Resources
Air Pollution Control Program
P.O. Box 176
Jefferson City, MO 65102-0176
(573) 751-4817

The regional office information can be found at the following website:
http://dnr.mo.gov/regions/
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority."

Flint Hills Resources Pine Bend, LLC - Bethany Station
Harrison County, S3, T66N, R27W

1. Throughput Limit
A. Flint Hills Resources Pine Bend, LLC - Bethany Station shall not receive more than 302,400,000 gallons of materials with a maximum true vapor pressure of less than or equal to that of RVP 15.0 gasoline in any consecutive 12-month period into tanks TK1 – TK4. Receipt of materials with a maximum true vapor pressure exceeding that of RVP 15.0 gasoline is prohibited.

B. Flint Hills Resources Pine Bend, LLC - Bethany Station shall not ship more than 302,400,000 gallons of materials with a maximum true vapor pressure of less than or equal to that of RVP 15.0 gasoline in any consecutive 12-month period out of tanks TK1 – TK4. Shipping of materials with a maximum true vapor pressure exceeding that of RVP 15.0 gasoline is prohibited.

C. Flint Hills Resources Pine Bend, LLC - Bethany Station shall monitor and record tanks TK1 – TK4 throughputs, respective material name, and maximum true vapor pressure at least monthly to demonstrate compliance with Special Conditions 1.A. and 1.B. The original recordings need not be performed on site, but instead may be conducted at Flint Hills Resources Pine Bend, LLC's pipeline operation control center which is located off site. A copy of the throughputs, material names, and maximum true vapor pressures shall be kept on site.

D. Flint Hills Resources Pine Bend, LLC - Bethany Station shall operate flow meter(s) and prover(s) to track the throughput for tanks TK1 – TK4. The meter(s) and prover(s) shall be operated, maintained, and calibrated in accordance with manufacturer's specifications. A copy of the maintenance and calibration specifications shall be kept on site.

E. Flint Hills Resources Pine Bend, LLC - Bethany Station shall maintain an operating and maintenance log for the meter(s) and prover(s) which shall include the following:
1) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
2) Maintenance activities, with inspection schedule, repair actions, replacements, calibrations, etc; and
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

3) Dates of all of the above.

2. Landing Limit
   A. Flint Hills Resources Pine Bend, LLC - Bethany Station shall not exceed a combined total of 8 roof landings for tanks TK1 – TK4 in any consecutive 12-month period.
   B. Flint Hills Resources Pine Bend, LLC - Bethany Station shall record the tank identifier, landing start and finish date, and combined total number of landings per consecutive 12-month period.

3. Cleaning Limit
   A. Flint Hills Resources Pine Bend, LLC - Bethany Station shall not exceed a combined total of 2 cleanings for tanks TK1 – TK4 in any consecutive 12-month period.
   B. Flint Hills Resources Pine Bend, LLC - Bethany Station shall record the tank identifier, cleaning start and finish date, and combined total number of cleanings per consecutive 12-month period.

4. Record Keeping and Reporting Requirements
   A. Flint Hills Resources Pine Bend, LLC - Bethany Station shall maintain all records required by this permit for not less than five years and shall make them available immediately to any department personnel upon request. These records shall include SDS for all materials used.
   B. Flint Hills Resources Pine Bend, LLC - Bethany Station shall report to the Air Pollution Control Program’s Compliance/Enforcement Section, by mail at P.O. Box 176, Jefferson City, MO 65102 or by email at AirComplianceReporting@dnr.mo.gov, no later than 10 days after the end of the month during which any record required by this permit shows an exceedance of a limitation imposed by this permit.
REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (6) REVIEW
Project Number: 2017-08-051
Installation ID Number: 081-0021
Permit Number: 012018-005

Installation Address:
Flint Hills Resources Pine Bend, LLC - Bethany Station
25346 E. 110th PL.
Eagleville, MO 64442

Parent Company:
Flint Hills Resources Pine Bend, LLC
P.O. Box 64596
St. Paul, MN 55164

Harrison County, S3, T66N, R27W

REVIEW SUMMARY

- Flint Hills Resources Pine Bend, LLC - Bethany Station has applied for authority to construct a pipeline to allow transfer of gasoline and distillates from Magellan Pipeline to Bethany Station, making the installation a gasoline pipeline breakout station.

- The application was deemed complete on November 1, 2017.

- HAP emissions are expected from the project.

- 40 CFR 60 Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 applies to tanks TK1 to TK4 upon the implementation of this project. The Air Pollution Control Program has enforcement authority.

- None of the NESHAPs under 40 CFR 61 apply to the installation. Subpart V, National Emission Standards for Equipment Leaks (Fugitive Emission Sources), does not apply, as per the gasoline SDS the maximum benzene content is 2.3% which is less than 10%.

- 40 CFR 63 Subpart BBBBBB, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, applies to the installation upon the implementation of this project. EPA Region 7 has enforcement authority.

- No add-on air pollution control equipment is proposed. Certain tank-based equipment are required by MACT 6B.

- This review was conducted in accordance with Section (6) of Missouri State Rule 10 CSR 10-6.060, Construction Permits Required. Potential emissions of VOC from
the project are above the de minimis level, but below the major source level. Potential emissions of HAPs are below the respective SMAL.

- This installation is located in Harrison County, an attainment/unclassifiable area for all criteria pollutants.

- This installation is on the List of Named Installations found in 10 CSR 10-6.020(3)(B), Table 2. The installation is classified as item number 22. Petroleum storage and transfer facilities with a capacity exceeding three hundred thousand (300,000) barrels. The installation's major source level is 100 tons per year and fugitive emissions are counted toward major source applicability.

- Ambient air quality modeling was not performed for this review. No model is readily available which can accurately predict ambient ozone concentrations caused by this installation's VOC emissions.

- Emission testing is not required as a part of this permit.

- Submittal of an intermediate operating permit application is required by this installation within 90 days of equipment startup. The installation is an intermediate installation due to the special conditions of this permit, which limit VOC potential emissions to less than 100 tpy.

- Approval of this permit is recommended with special conditions.

INSTALLATION / PROJECT DESCRIPTION

Flint Hills Resources Pine Bend, LLC - Bethany Station (herein “the station”) was a crude oil pipeline breakout station located on the previously Koch Pipeline Company LLC owned Wood River Pipeline (herein “WRPL”). The station was constructed in 1980. WRPL was shutdown in 2013. The station last stored product in September 2014, and the tanks were cleaned in October 2014. No construction permits were issued for the station, and it held a basic operating permit. The installation name has changed from Koch Pipeline Company, LLC – Bethany Station to Flint Hills Resources Pine Bend, LLC – Bethany Station.

The station was subject to NSPS Ka, however the permit application requests the station be subject to NSPS Kb. The two NSPS are similar, but with Kb having an applicability date starting in 1984. This permit considers the station as a new installation for permitting purposes and NSPS / MACT applicability.

The station proposes to become a gasoline pipeline breakout station. According to the permit application, the following new activities are planned.
- The station will construct a new bi-directional pipeline connection from the station to an existing Magellan pipeline that already runs through the property.
- The pipeline connection will include the construction of piping components (valves, flanges, etc.) within the station.
- The station will receive and deliver light products off the Magellan Pipeline independent of the WRPL.
- All four station storage tanks (TK1 – TK4) will be converted to storage for light products.
- There will be no major tank improvements required to convert the tanks from crude oil to light products storage.

In the future, Flint Hills Resources Pine Bend, LLC is proposing to operate the existing WRPL in light refined product service.

Table 1: Emission Unit Summary

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TK1</td>
<td>6.3 million gallon, external floating roof, above ground storage tank (AST) (Tank 30)</td>
</tr>
<tr>
<td>TK2</td>
<td>6.3 MM gal external floating roof, AST (Tank 31)</td>
</tr>
<tr>
<td>TK3</td>
<td>6.3 MM gal external floating roof, AST (Tank 32)</td>
</tr>
<tr>
<td>TK4</td>
<td>6.3 MM gal external floating roof, AST (Tank 33)</td>
</tr>
<tr>
<td>EP5</td>
<td>Pipeline valves, flanges, pump seals</td>
</tr>
<tr>
<td>EP8</td>
<td>2,814 gal corrosion inhibitor tank (emptied)</td>
</tr>
<tr>
<td>EP9</td>
<td>252 gal solvent tank</td>
</tr>
<tr>
<td>EP10</td>
<td>1,680 gal sump tank, underground</td>
</tr>
<tr>
<td>EP11</td>
<td>Pipeline pig launcher</td>
</tr>
<tr>
<td>EP12</td>
<td>Pipeline pig receiver</td>
</tr>
<tr>
<td>EP13</td>
<td>Roads</td>
</tr>
<tr>
<td>EP14</td>
<td>Portable heaters, propane and fuel oil, total 0.95 MMBtu/hr</td>
</tr>
<tr>
<td>N/D</td>
<td>Tank cleaning, sand blasting, tank floor coating</td>
</tr>
</tbody>
</table>

N/D = not determined

TK1 – TK4 combined design capacity is 2,800 barrels per hour.
There are no add-on VOC control devices such as a flare or thermal oxidizer.
There is no loading rack or transfer into trucks, rail, etc.

EMISSIONS EVALUATION

Potential emissions were obtained from the permit application, however HAPs were recalculated. Assumptions include,
- Voluntary throughput limit – 302,400,000 gallons per consecutive 12-month period of material with maximum true vapor pressure equal to RVP 15.0 gasoline. Equates to 12 turnovers per tank (TK1 – TK4) per year.
- Hybrid worst case potential VOC and HAP emissions by evaluating RVP 15.0 gasoline (worst case VOC gasoline type), No.1 diesel, and No. 2 diesel. If there are additional throughouts of other liquids with higher RVP and/or HAP concentrations, then the potential emissions of the project listed in Table 3 are invalid. Evaluated HAP concentrations are listed in Table 2.
Table 2: Evaluated HAP Concentrations (liquid wt %)

<table>
<thead>
<tr>
<th>HAP</th>
<th>Gasoline</th>
<th>No. 1 Diesel</th>
<th>No. 2 Diesel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>2.3</td>
<td>0.1</td>
<td>0.02</td>
</tr>
<tr>
<td>Biphenyl</td>
<td>N/D</td>
<td>0.5</td>
<td>0.75</td>
</tr>
<tr>
<td>1,3 Butadiene</td>
<td>0.0009</td>
<td>N/D</td>
<td>N/D</td>
</tr>
<tr>
<td>Cumene</td>
<td>1</td>
<td>0.3</td>
<td>0.056</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>2</td>
<td>4</td>
<td>0.053</td>
</tr>
<tr>
<td>n-Hexane</td>
<td>7</td>
<td>0.03</td>
<td>0.03</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>1</td>
<td>0.5</td>
<td>0.3</td>
</tr>
<tr>
<td>Styrene</td>
<td>0.0767</td>
<td>N/D</td>
<td>N/D</td>
</tr>
<tr>
<td>Toluene</td>
<td>15</td>
<td>2</td>
<td>0.081</td>
</tr>
<tr>
<td>2,2,4-Trimethylpentane</td>
<td>2.94</td>
<td>0.014</td>
<td>0.014</td>
</tr>
<tr>
<td>Xylenes, mixed</td>
<td>15</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

N/D = not determined

- Gasoline HAPs obtained from maximum of wt% range on SDS in permit application. 1,3 Butadiene, 2,2,4-Trimethylpentane, and Styrene wt% obtained from *Emissions Estimation Protocol for Petroleum Refineries*, Version 3, April 2015, RTI International, Table A-1.
- Diesel HAPs obtained from maximum of wt% range on SDS in permit application. n-Hexane, Toluene (No. 2), Ethylbenzene (No. 2), Cumene (No. 2) obtained from the above referenced Table A-1.

- Landings – 2 per tank per year. Permit limit.
- Cleaning – a total of 2 tank cleanings per year. Permit limit.
- Pig launch and receive – 1 hour per launch/receive event, 24 events per year.
- Sump tanks – 1 turnover per week.
- Solvent tank – 24 turnovers per year.
- 326 valves, 7 pump seals, 978 flanges
- Media blasting - 45,000 pounds of coal-fired boiler slag blasting media per tank cleaning event, 2 events per year.

Table 3 provides an emissions summary for this project.
- Although the installation is being considered a new source, existing potential emissions are reported for informational purposes. Existing potential VOC emissions were obtained from this permit’s application. Existing potential emissions of other pollutants were obtained from the basic operating permit application for project 2010-12-047.
- Although the installation is being considered a new source, existing actual emissions are reported for informational purposes. Existing actual VOC emissions have varied from 39.12 tons in 2013, to 8.90 tons in 2014, to 0.23 tons in 2015, to zero in 2016.
- Conditioned potential emissions of the project represent the entire limited installation.
### Table 3: Emissions Summary (tpy)

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>De Minimis Levels / SMAL</th>
<th>Existing Potential Emissions</th>
<th>Existing Actual Emissions (2013 EIQ)</th>
<th>Conditioned Potential Emissions of the Project</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>25.0</td>
<td>N/D</td>
<td>N/D</td>
<td>2.90</td>
</tr>
<tr>
<td>PM$_{10}$</td>
<td>15.0</td>
<td>0.14</td>
<td>N/D</td>
<td>0.67</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>10.0</td>
<td>N/D</td>
<td>N/D</td>
<td>0.09</td>
</tr>
<tr>
<td>SO$_2$</td>
<td>40.0</td>
<td>4.10</td>
<td>N/D</td>
<td>4.13</td>
</tr>
<tr>
<td>NO$_x$</td>
<td>40.0</td>
<td>0.59</td>
<td>N/D</td>
<td>0.60</td>
</tr>
<tr>
<td>VOC</td>
<td>40.0</td>
<td>36.28</td>
<td>39.12</td>
<td>91.31</td>
</tr>
<tr>
<td>CO</td>
<td>100.0</td>
<td>0.15</td>
<td>N/D</td>
<td>0.16</td>
</tr>
<tr>
<td>GHG (CO$_2$e)</td>
<td>N/A</td>
<td>660.06</td>
<td>N/D</td>
<td>686.78</td>
</tr>
<tr>
<td>GHG (mass)</td>
<td>N/A</td>
<td>659.82</td>
<td>N/D</td>
<td>N/D</td>
</tr>
<tr>
<td>Combined HAPs</td>
<td>25.0</td>
<td>0.59</td>
<td>10.20</td>
<td>7.85</td>
</tr>
<tr>
<td>Benzene</td>
<td>2</td>
<td>0.04</td>
<td>1.96</td>
<td>0.85</td>
</tr>
<tr>
<td>Biphenyl</td>
<td>10</td>
<td>N/D</td>
<td>N/D</td>
<td>1.82E-03</td>
</tr>
<tr>
<td>1,3 Butadiene</td>
<td>0.07</td>
<td>N/D</td>
<td>N/D</td>
<td>0.01</td>
</tr>
<tr>
<td>Cumene</td>
<td>10</td>
<td>N/D</td>
<td>N/D</td>
<td>0.02</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>10</td>
<td>0.02</td>
<td>1.18</td>
<td>0.08</td>
</tr>
<tr>
<td>n-Hexane</td>
<td>10</td>
<td>0.31</td>
<td>3.14</td>
<td>4.24</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>10</td>
<td>N/D</td>
<td>N/D</td>
<td>0.01</td>
</tr>
<tr>
<td>Styrene</td>
<td>1</td>
<td>N/D</td>
<td>N/D</td>
<td>2.07E-03</td>
</tr>
<tr>
<td>Toluene</td>
<td>10</td>
<td>0.10</td>
<td>1.96</td>
<td>1.60</td>
</tr>
<tr>
<td>2,2,4-Trimethylpentane</td>
<td>5</td>
<td>N/D</td>
<td>N/D</td>
<td>0.56</td>
</tr>
<tr>
<td>Xylenes, mixed</td>
<td>10</td>
<td>0.11</td>
<td>1.96</td>
<td>0.49</td>
</tr>
</tbody>
</table>

N/A = Not Applicable; N/D = Not Determined
Other individual HAPs are potentially emitted.

**APPLICABLE REQUIREMENTS**

Flint Hills Resources Pine Bend, LLC - Bethany Station shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved. For a complete list of applicable requirements for your installation, please consult your operating permit.

**GENERAL REQUIREMENTS**

- *Operating Permits, 10 CSR 10-6.065*

- *Start-Up, Shutdown, and Malfunction Conditions, 10 CSR 10-6.050*
• Submission of Emission Data, Emission Fees and Process Information, 10 CSR 10-6.110
  o Per 10 CSR 10-6.110(4)(B)2.B(II) and (4)(B)2.C(II) a full EIQ is required for the first full calendar year the equipment (or modifications) approved by this permit are in operation.

• Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin, 10 CSR 10-6.170

• Restriction of Emission of Visible Air Contaminants, 10 CSR 10-6.220

• Restriction of Emission of Odors, 10 CSR 10-6.165

SPECIFIC REQUIREMENTS

• New Source Performance Regulations, 10 CSR 10-6.070

• MACT Regulations, 10 CSR 10-6.075

STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required, it is recommended that this permit be granted with special conditions.

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

• The Application for Authority to Construct form, dated August 15, 2017, received August 22, 2017, designating Koch Pipeline Company, L.P. as the owner and operator of the installation.

• The Application for Authority to Construct form, dated November 1, 2017, received November 1, 2017, designating Koch Pipeline Company, L.P. as the owner and operator of the installation.
The Application for Authority to Construct form, dated December 22, 2017, received December 22, 2017, designating Flint Hills Resources Pine Bend, LLC as the owner and operator of the installation

The following documents are permit references:

- Emails between Eric Dominiack of Flint Hills Resources Pine Bend, LLC and David Little of Missouri Department of Natural Resources, Air Pollution Control Program, dated September 5, 2017 to December 22, 2017.
APPENDIX A
Abbreviations and Acronyms

% .................. percent
°F .................. degrees Fahrenheit
acfm ............... actual cubic feet per minute
BACT .......... Best Available Control Technology
BMPs .......... Best Management Practices
Btu .............. British thermal unit
CAM .......... Compliance Assurance Monitoring
CAS ............ Chemical Abstracts Service
CEMS .......... Continuous Emission Monitor System
CFR .......... Code of Federal Regulations
CO .......... carbon monoxide
CO₂ .......... carbon dioxide
CO₂e ........ carbon dioxide equivalent
COMS .......... Continuous Opacity Monitoring System
CSR ............ Code of State Regulations
dscf .......... dry standard cubic feet
EIQ ............ Emission Inventory Questionnaire
EP ............ Emission Point
EPA .......... Environmental Protection Agency
EU ............ Emission Unit
fps ............ feet per second
ft ............. feet
GACT .......... Generally Available Control Technology
GHG .......... Greenhouse Gas
gpm .......... gallons per minute
gr .............. grains
GWP .......... Global Warming Potential
HAP .......... Hazardous Air Pollutant
hr .............. hour
hp ............. horsepower
lb .............. pound
lbs/hr ........ pounds per hour
MACT .......... Maximum Achievable Control Technology
µg/m³ ........ micrograms per cubic meter
m/s ........... meters per second
Mgal .......... 1,000 gallons
MW .......... megawatt
MHDR .......... maximum hourly design rate
MMBtu ........ Million British thermal units
MMCF .......... million cubic feet
MSDS .......... Material Safety Data Sheet
NAAQS .......... National Ambient Air Quality Standards
NESHAPs .......... National Emissions Standards for Hazardous Air Pollutants
NO₂ .......... nitrogen oxides
NSPS .......... New Source Performance Standards
NSR .......... New Source Review
PM .......... particulate matter
PM₂.₅ ........ particulate matter less than 2.5 microns in aerodynamic diameter
PM₁₀ .......... particulate matter less than 10 microns in aerodynamic diameter
ppm .......... parts per million
PSD .......... Prevention of Significant Deterioration
PTE .......... potential to emit
RACT .......... Reasonable Available Control Technology
RAL .......... Risk Assessment Level
SCC .......... Source Classification Code
scfm .......... standard cubic feet per minute
SDS .......... Safety Data Sheet
SIC .......... Standard Industrial Classification
SIP .......... State Implementation Plan
SMAL .......... Screening Model Action Levels
SO₂ .......... sulfur oxides
SO₃ .......... sulfur dioxide
SSM .......... Startup, Shutdown & Malfunction
tph .......... tons per hour
tpy .......... tons per year
VMT .......... vehicle miles traveled
VOC .......... Volatile Organic Compound
JAN 29 2018

Mr. Eric Dominiack
Environmental Manager
Flint Hills Resources Pine Bend, LLC
P.O. Box 64596
St. Paul, MN 55164

RE: New Source Review Permit - Project Number: 2017-08-051

Dear Mr. Dominiack:

Enclosed with this letter is your permit to construct. Please study it carefully and refer to Appendix A for a list of common abbreviations and acronyms used in the permit. Also, note the special conditions on the accompanying pages. The document entitled, "Review of Application for Authority to Construct," is part of the permit and should be kept with this permit in your files. Operation in accordance with these conditions, your new source review permit application and with your operating permit is necessary for continued compliance. The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

This permit may include requirements with which you may not be familiar. If you would like the department to meet with you to discuss how to understand and satisfy the requirements contained in this permit, an appointment referred to as a Compliance Assistance Visit (CAV) can be set up with you. To request a CAV, please contact your local regional office or fill out an online request. The regional office contact information can be found at the following website: http://dnr.mo.gov/regions/. The online CAV request can be found at http://dnr.mo.gov/cav/compliance.htm.

If you were adversely affected by this permit decision, you may be entitled to pursue an appeal before the administrative hearing commission pursuant to Sections 621.250 and 643.075.6 RSMo. To appeal, you must file a petition with the administrative hearing commission within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the administrative hearing commission, whose contact information is: Administrative Hearing Commission, United States Post Office Building, 131 West High Street, Third Floor, P.O. Box 1557, Jefferson City, Missouri 65102, phone: 573-751-2422, fax: 573-751-5018, website: www.oa.mo.gov/ahc.
Mr. Eric Dominiack
Page Two

If you have any questions regarding this permit, please do not hesitate to contact David Little, at the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or at (573) 751-4817. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

\[\text{Signature}\]

Susan Heckenkamp
New Source Review Unit Chief

SH:dlj

Enclosures

c: Kansas City Regional Office
   PAMS File: 2017-08-051

Permit Number: 012018-005