

**MISSOURI**  
DEPARTMENT OF  
NATURAL RESOURCES

**MISSOURI AIR CONSERVATION COMMISSION**

**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: 092017-004

Project Number: 2017-05-055  
Installation Number: 041-0015

Parent Company: Enbridge (U.S.) Inc.

Parent Company Address: 26 East Superior Street, Suite 309, Duluth, MN 55802

Installation Name: Enbridge (U.S.) Inc. - Salisbury Terminal

Installation Address: 33632 Hwy. 24, Salisbury, MO 65281

Location Information: Chariton County, S8, T53N, R17W

Application for Authority to Construct was made for:  
Construct a new crude oil pipeline between the Key Station and Salisbury Station. This review was conducted in accordance with Section (5), 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  
Hans Robinson  
New Source Review Unit

  
\_\_\_\_\_  
Director or Designee  
Department of Natural Resources

SEP 19 2017

\_\_\_\_\_  
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/>

REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE  
SECTION (5) REVIEW

Project Number: 2017-05-055

Installation ID Number: 041-0015

Permit Number:

092017-004

Installation Address:

Enbridge (U.S.) Inc. - Salisbury Terminal  
33632 Hwy. 24  
Salisbury, MO 65281

Parent Company:

Enbridge (U.S.) Inc.  
26 East Superior Street, Suite 309  
Duluth, MN 55802

Chariton County, S8, T53N, R17W

REVIEW SUMMARY

- Enbridge (U.S.) Inc. - Salisbury Terminal has applied for authority to Construct a new crude oil pipeline between the Key Station and Salisbury Station.
- The application was deemed complete on 5/25/2017.
- HAP emissions from the proposed equipment will result from the evaporation of crude oil (petroleum).
- None of the New Source Performance Standards (NSPS) apply to the installation. (See the Project Description section for details on Subpart K, Ka, and Kb applicability)
- None of the NESHAPs apply to this installation. None of the currently promulgated MACT regulations apply to the proposed equipment.
- No air pollution control equipment is being used in association with the new equipment.
- This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of VOC are above insignificance levels but below de minimis levels.
- This installation is located in Chariton County, an attainment 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 currently available which can accurately predict ambient ozone concentrations caused by this installation's VOC emissions.
- Emissions testing is not required for the equipment as a part of this permit.
- A Basic Operating Permit application is required for this installation within 30 days of equipment startup.
- Approval of this permit is recommended without special conditions.

### INSTALLATION DESCRIPTION

Enbridge (U.S.) Inc. operates the Key Station (located at 33632 Highway 24, Salisbury MO, 65281, Facility ID# 041-0015) which provides mainline pumping capacity for its Spearhead Pipeline (Line 55) and Flanagan South Pipeline (Line 59) systems. The Key Station is currently composed of three sump tanks, four pig traps, and fugitive piping components (pumps, valves, flanges, etc.). No combustion emission sources are associated with the station (all pumping is electric). All storage tanks at Key Station were constructed between 1953 and 1966. Key station is an existing de minimis source of VOC.

Enbridge (U.S.) Inc. acquired the Salisbury Terminal (located 3 miles west of Salisbury, MO on Highway 24, 65281, Facility ID# 041-0013) in February 2017. The Salisbury Terminal is located on property immediately to the west of the Key Station. The Salisbury Terminal was constructed in the early 1950s in conjunction with the Platte Pipeline (Line 41) system and transports only crude oil (no refined petroleum). The Salisbury Terminal has a total of seven crude oil breakout tanks, each with a capacity of 120,000 barrels (5,040,000 gallons) and is operated as a mainline pumping station on the Platte Pipeline system. The Terminal also has two sump tanks, two pig traps, and fugitive piping components (pumps, valves, flanges, etc.) There are no combustion sources and all pumps are electrically driven. Salisbury Terminal operated under an intermediate permit until 12/29/2009 when the Department of Natural Resources issued a no permit required letter for the facility (Project #2007-02-008, see Table 2 below). Salisbury Terminal is an existing de minimis source for VOC.

The following New Source Review permits have been issued to Key Station and Salisbury Terminal from the Air Pollution Control Program.

**Table 1: Permit History – Key Station (ID# 041-0015)**

| Permit Number | Description  |
|---------------|--|
| 1998-05-325   | Original basic operating permit for the facility     |
| 2002-11-067   | Operating permit Renewal                             |
| 2002-11-067A  | Operating permit amended to reflect ownership change |
| 2007-05-023   | Operating Permit renewal                             |

**Table 2: Permit History – Salisbury Terminal (ID# 041-0013)**

| Permit Number | Description   |
|---------------|---|
| 1998-12-020   | Original intermediate operating permit for the facility |
| 2002-08-150   | Operating permit Renewal                                |

**PROJECT DESCRIPTION**

Enbridge (U.S.) Inc. will construct a new pipeline connection between the Platte Pipeline at the Salisbury Terminal and the Spearhead Pipeline at the adjacent Key Station. The project will allow Enbridge (U.S.) Inc. to transfer crude oil from the Platte Pipeline to the Spearhead Pipeline. Crude oil transferred between the pipelines will be “broken out” through the existing Salisbury Terminal breakout storage tanks. Breakout tanks are used to relieve surges in the crude oil pipelines or to store crude oil for continued transportation in the lines. No new storage tanks will be constructed as part of this project. There are no emission controls considered as a part of this permit. VOC emissions will primarily result from tank working and breathing losses and fugitive VOC losses. There are no combustion/flare sources and crude oil is only being transported and stored. The facility does not own/operate backup power generators or fire emergency water pumps.

Specifically, the pipeline project will include construction of the following:

- A new pipeline connecting the Salisbury tankage manifold and the Spearhead mainline suction manifold.
- New injection booster pumps will be constructed on the Spearhead Pipeline.
- Construction of sump tanks, pressure control valves, pressure relief systems, surge relief tanks, flow meters, and densitometers.

Table 3 below details the existing equipment installed at both facilities and what will be installed as a part of this permit. Facility potential to emit will include both existing and proposed emissions while project potential to emit will include only emissions from the proposed emission units.

**Table 3: Existing and Proposed Equipment**

| Emission Point Number         | Enbridge Identification Description | Size/Volume/Area | Units   | Notes                            |
|-------------------------------|-------------------------------------|------------------|---------|----------------------------------|
| <b>Storage Tank Emissions</b> |                                     |                  |         |                                  |
| TK-801                        | T-801                               | 5,040,000        | gallons | Existing unmodified storage tank |
| TK-802                        | T-802                               | 5,040,000        | gallons | Existing unmodified storage tank |
| TK-803                        | T-803                               | 5,040,000        | gallons | Existing unmodified storage tank |
| TK-804                        | T-804                               | 5,040,000        | gallons | Existing unmodified storage tank |
| TK-805                        | T-805                               | 5,040,000        | gallons | Existing unmodified storage tank |
| TK-806                        | T-806                               | 5,040,000        | gallons | Existing unmodified storage tank |
| TK-807                        | T-807                               | 5,040,000        | gallons | Existing unmodified storage tank |

|                           |                         |        |                                    |  |
|---------------------------|-------------------------|--------|------------------------------------|--|
| Tank Landing Emissions    | Tank Landing Emissions  | n/a    | n/a                                | Existing, See Note 1 below                               |
| Tank Cleaning Emissions   | Tank Cleaning Emissions | n/a    | n/a                                | Existing, See Note 1 below                               |
| <b>Piping Components</b>  |                         |        |                                    |  |
| FG-01                     | Piping Fugitives        | n/a    | n/a                                | Some existing components, includes new piping components |
| <b>Pigging Equipment</b>  |                         |        |                                    |  |
| PG-01                     | Line 55 Pig Receiver    | 251    | ft <sup>2</sup> (area inside trap) | Existing pigging equipment                               |
| PG-02                     | Line 55 Pig Launcher    | 251    | ft <sup>2</sup> (area inside trap) | Existing pigging equipment                               |
| PG-03                     | Line 59 Pig Receiver    | 330    | ft <sup>2</sup> (area inside trap) | Existing pigging equipment                               |
| PG-04                     | Line 59 Pig Launcher    | 330    | ft <sup>2</sup> (area inside trap) | Existing pigging equipment                               |
| PG-05                     | Salisbury Pig Launcher  | 188    | ft <sup>2</sup> (area inside trap) | Existing pigging equipment                               |
| PG-06                     | Salisbury Pig Receiver  | 188    | ft <sup>2</sup> (area inside trap) | Existing pigging equipment                               |
| <b>Sump Tanks</b>         |                         |        |                                    |  |
| ST-01                     | Line 59 Station Sump    | 4,000  | gallons                            | Existing sump tank                                       |
| ST-02                     | Line 59 Pigging Sump    | 8,000  | gallons                            | Existing sump tank                                       |
| ST-03                     | Line 55 Sump            | 8,000  | gallons                            | Existing sump tank                                       |
| ST-04                     | Salisbury Station Sump  | 4,000  | gallons                            | Existing sump tank                                       |
| ST-05                     | Salisbury Metering Sump | 4,000  | gallons                            | Existing sump tank                                       |
| ST-06                     | Connection Sump #1      | 4,000  | gallons                            | Proposed new sump tank                                   |
| ST-07                     | Connection Sump #2      | 4,000  | gallons                            | Proposed new sump tank                                   |
| <b>Surge Relief Tanks</b> |                         |        |                                    |  |
| RT-01                     | Surge Relief Tank 1     | 16,800 | gallons                            | Proposed new surge relief tank                           |
| RT-02                     | Surge Relief Tank 2     | 16,800 | gallons                            | Proposed new surge relief tank                           |
| RT-03                     | Surge Relief Tank 3     | 16,800 | gallons                            | Proposed new surge relief tank                           |
| RT-04                     | Surge Relief Tank 4     | 16,800 | gallons                            | Proposed new surge relief tank                           |
| RT-05                     | Surge Relief Tank 5     | 16,800 | gallons                            | Proposed new surge relief tank                           |
| RT-06                     | Surge Relief Tank 6     | 16,800 | gallons                            | Proposed new surge relief tank                           |
| RT-07                     | Surge Relief Tank 7     | 16,800 | gallons                            | Proposed new surge relief tank                           |
| RT-08                     | Surge Relief Tank 8     | 16,800 | gallons                            | Proposed new surge relief tank                           |

n/a = Not Applicable

<sup>1</sup>Tank landing emissions and tank cleaning and degassing emissions are being included as part of this permitting action. These emissions are not part of the project or a result of the project but rather intrinsic to tank operations. Therefore tank landing, cleaning, and degassing emissions were included as a part of the existing potential emissions.

Both Key Station and Salisbury Terminal were below de minimis and the SMAL for all pollutants and HAPs individually prior to this permit. Now that both facilities are under the common ownership of Enbridge; both facilities will be linked with the new pipeline; and both facilities are receiving additional emission units as a part of the same project, *Key Station and Salisbury Terminal are now considered a single installation and together will be minor source for VOC.*

The seven storage tanks (TK) located at the Salisbury Terminal are limited to a combined 145,000 barrels per day (bpd; 52,925,000 barrels per year) of crude oil throughput. This limitation results from the Platte Pipeline maximum pumping capacity of 145,000 bpd. This daily throughput was used to calculate fugitive VOC tank emissions. If pumping capacity for the Platte Pipeline is ever increased then the basis for this permit will need to be reevaluated. The seven sump tanks (ST) are used as containment vessels for Salisbury Terminal equipment such as the pipeline pumps, meters, and pigging equipment. Essentially the sump tanks collect crude oil "drips" released during maintenance activities. Emission calculations for sump tanks assumed the maximum annual throughput of crude oil would correspond to how many times a year sump pumps could potentially be emptied (24 times per year, occurs once a sump tanks reach 75% full as a conservative estimate). The eight surge relief tanks (RT) serve as temporary containment vessels as part of the Salisbury Terminal's pipeline pressure surge relief system. In the event of a pipeline over-pressurization event, a pressure relief/surge control valve will release crude oil from the pipeline to the surge relief tanks. The most surge events that the Salisbury Terminal might reasonably undergo would be six (6) per year (there could be more surge events but six per year is a conservatively high estimate for emissions calculations since surge events are not a typical occurrence).

The New Source Performance Standard (NSPS) 40 CFR 60 Subpart K, *Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978*, Subpart Ka *Standards of Performance for Petroleum Liquid for Which Construction, Reconstruction, or Modification Commenced after May 18, 1978, and Prior to July 23, 1984*, and 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* do not apply to the equipment within this permit. TK-801 through 807 are not considered affected facilities under the NSPS K, Ka, or Kb regulations because they were constructed before June 11, 1973 and have not been modified or reconstructed since. All other tanks have less than 40,000 gallons capacity for crude oil and are therefore also not affected facilities under the NSPS regulations.

## EMISSIONS/CONTROLS EVALUATION

The emission factors and control efficiencies used in this analysis were obtained from the EPA document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition, Chapter 7.1 *Organic Liquid Storage Tanks*. All seven storage tanks (TK-801 through TK-807) are classified as external floating roof tanks. Sump Tanks ST-01 through ST-07 (seven total) and Surge Relief Tanks RT-01 through RT-08 (eight total) are classified as horizontal fixed-roof tanks. Storage tank and sump tank emissions resulting from standing and withdrawal loss were calculated using the TANKS 4.09d program. This program implements the emission calculations within AP-42 Chapter 7.1. Storage tank roof landing loss emission values were also calculated using the methodology described in AP-42 Chapter 7.1. Storage tank cleaning events, which occur every 18 to 20 years, were calculated using cleaning loss emission values described in American Petroleum Institute (API) Technical Report 2568, *Evaporative Loss from the Cleaning of Storage Tanks*, November 2007.

Emissions resulting from pigging events are based on the clingage factors and densities from AP-42 Chapter 7.1 Table 7.1-10 and 7.1-2. Pigging is generally used for:

- Physical separation between different liquid being transported in pipelines
- Internal cleaning of pipelines
- Inspection of the condition of pipeline walls

Generally these operations don't occur on a daily basis because they disrupt flow through the pipelines. Thus, conservatively estimated two pigging events per pig trap each month equates to 24 pigging events per year per pig launcher.

Salisbury Terminal (Platte Pipeline), Key Station – Line 59 (Flanagan South), Key Station – Line 55 (Spearhead), and the new Salisbury Key Connection will have a grand total of 1807 valves, 5599 flanges, and 108 pump seals. Additionally, the Salisbury Terminal (Platte Pipeline) contains a combination of 121 other emission points consisting of orifices, sampling connections, and open lines. Emission factors for the pipeline fugitive emissions were derived from Marketing Terminal Average Emission Factors from Protocol for Equipment Leak Emission Estimates, USEPA Office of Air Quality Planning and Standards, November 1995 (EPA-453/R-95-017), Table 2-3 *Light Liquid emission factors*.

The following table provides an emissions summary for this project and represents total emissions from both the Key Station (ID# 041-0015) and Salisbury Station (ID# 041-0013). Existing potential emissions were calculated specifically for this project (were not carried over from a previous permit). Existing actual emissions are the sum of existing emissions from both Salisbury Station and Key Station. The most recent EIQ for Salisbury Station was submitted in 2008 (this is the value recorded below for Existing Actual Emissions). Key Station has not reported emissions for the EIQ within recent history (they might have in the past but not in the last 10 years previous to this permit). Potential emissions of the project represent the potential of the new equipment, assuming continuous operation (8760 hours per year). While potential emissions of

project average to 2.64 lbs/hour of VOC, instantaneous surge event emissions as well as working loss emissions can potentially exceed 2.75 lbs/hour of VOC for a limited time period. Therefore

Table 4: Emissions Summary (tpy)

| Pollutant         | Regulatory De Minimis Levels or SMAL | Existing Potential Emissions <sup>1</sup> | Existing Actual Emissions | Potential Emissions of the Project <sup>3</sup> | New Installation Potential to Emit |
|-------------------|--------------------------------------|---|---------------------------|---|------------------------------------|
| PM                | 25.0                                 | N/A                                       | N/A                       | N/A   | N/A                                |
| PM <sub>10</sub>  | 15.0                                 | N/A                                       | N/A                       | N/A   | N/A                                |
| PM <sub>2.5</sub> | 10.0                                 | N/A                                       | N/A                       | N/A   | N/A                                |
| SO <sub>2</sub>   | 40.0                                 | N/A                                       | N/A                       | N/A   | N/A                                |
| NO <sub>x</sub>   | 40.0                                 | N/A                                       | N/A                       | N/A   | N/A                                |
| VOC               | 40.0                                 | 44.69                                     | 5.1                       | 11.54   | 56.23                              |
| CO                | 100.0                                | N/A                                       | N/A                       | N/A   | N/A                                |
| HAPs              | 10.0/25.0                            | 1.83                                      | N/A                       | 0.41  | 2.24                               |
| Hexane            | 10.0/25.0                            | 1.2                                       | N/A                       | 0.33  | 1.55                               |

N/A = Not Applicable; N/D = Not Determined

<sup>1</sup>Total existing emissions from Spearhead Pipeline and Key Station. Includes tank landing, cleaning, and degassing emissions that were not included in previous permits.

<sup>2</sup>While potential emissions of the project average to 2.64 lbs/hour of VOC, instantaneous surge event emissions as well as working loss emissions can potentially exceed 2.75 lbs/hour of VOC for a limited time period.

<sup>3</sup>Potential Emissions of the Project include emissions only from the proposed equipment (See Table 3).

### PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of VOC are above the insignificance levels but below de minimis levels.

### APPLICABLE REQUIREMENTS

Enbridge (U.S.) Inc. - Salisbury Terminal 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
  - 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 Emission of Odors*, 10 CSR 10-6.165

## STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, it is recommended that this permit be granted without special conditions.

## PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated 5/15/2017, received 5/19/2017, designating Enbridge (U.S.) Inc. as the owner and operator of the installation.

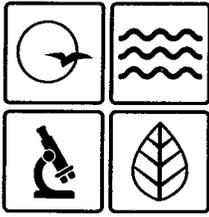
Other relied upon documents:

- E-mail Communications between Rhonda O'Leary (Enbridge contact) and the Missouri Air Pollution Control Program. This includes supplemental data submitted along with the e-mails.

## APPENDIX A

### Abbreviations and Acronyms

|   |   |
|---|---|
| <b>%</b> .....percent                                   | <b>Mgal</b> .....1,000 gallons  |
| <b>°F</b> .....degrees Fahrenheit                       | <b>MW</b> .....megawatt   |
| <b>acfm</b> .....actual cubic feet per minute           | <b>MHDR</b> .....maximum hourly design rate   |
| <b>BACT</b> .....Best Available Control Technology      | <b>MMBtu</b> ....Million British thermal units  |
| <b>BMPs</b> .....Best Management Practices              | <b>MMCF</b> .....million cubic feet   |
| <b>Btu</b> .....British thermal unit                    | <b>MSDS</b> .....Material Safety Data Sheet   |
| <b>CAM</b> .....Compliance Assurance Monitoring         | <b>NAAQS</b> ....National Ambient Air Quality Standards                                       |
| <b>CAS</b> .....Chemical Abstracts Service              | <b>NESHAPs</b> National Emissions Standards for Hazardous Air Pollutants                      |
| <b>CEMS</b> .....Continuous Emission Monitor System     | <b>NO<sub>x</sub></b> .....nitrogen oxides  |
| <b>CFR</b> .....Code of Federal Regulations             | <b>NSPS</b> .....New Source Performance Standards   |
| <b>CO</b> .....carbon monoxide                          | <b>NSR</b> .....New Source Review   |
| <b>CO<sub>2</sub></b> .....carbon dioxide               | <b>PM</b> .....particulate matter   |
| <b>CO<sub>2e</sub></b> .....carbon dioxide equivalent   | <b>PM<sub>2.5</sub></b> .....particulate matter less than 2.5 microns in aerodynamic diameter |
| <b>COMS</b> .....Continuous Opacity Monitoring System   | <b>PM<sub>10</sub></b> .....particulate matter less than 10 microns in aerodynamic diameter   |
| <b>CSR</b> .....Code of State Regulations               | <b>ppm</b> .....parts per million   |
| <b>dscf</b> .....dry standard cubic feet                | <b>PSD</b> .....Prevention of Significant Deterioration                                       |
| <b>EIQ</b> .....Emission Inventory Questionnaire        | <b>PTE</b> .....potential to emit   |
| <b>EP</b> .....Emission Point                           | <b>RACT</b> .....Reasonable Available Control Technology                                      |
| <b>EPA</b> .....Environmental Protection Agency         | <b>RAL</b> .....Risk Assessment Level   |
| <b>EU</b> .....Emission Unit                            | <b>SCC</b> .....Source Classification Code  |
| <b>fps</b> .....feet per second                         | <b>scfm</b> .....standard cubic feet per minute   |
| <b>ft</b> .....feet                                     | <b>SDS</b> .....Safety Data Sheet   |
| <b>GACT</b> .....Generally Available Control Technology | <b>SIC</b> .....Standard Industrial Classification  |
| <b>GHG</b> .....Greenhouse Gas                          | <b>SIP</b> .....State Implementation Plan   |
| <b>gpm</b> .....gallons per minute                      | <b>SMAL</b> .....Screening Model Action Levels  |
| <b>gr</b> .....grains                                   | <b>SO<sub>x</sub></b> .....sulfur oxides  |
| <b>GWP</b> .....Global Warming Potential                | <b>SO<sub>2</sub></b> .....sulfur dioxide   |
| <b>HAP</b> .....Hazardous Air Pollutant                 | <b>tph</b> .....tons per hour   |
| <b>hr</b> .....hour                                     | <b>tpy</b> .....tons per year   |
| <b>hp</b> .....horsepower                               | <b>VMT</b> .....vehicle miles traveled  |
| <b>lb</b> .....pound                                    | <b>VOC</b> .....Volatile Organic Compound   |
| <b>lbs/hr</b> .....pounds per hour                      |   |
| <b>MACT</b> .....Maximum Achievable Control Technology  |   |
| <b>µg/m<sup>3</sup></b> .....micrograms per cubic meter |   |
| <b>m/s</b> .....meters per second                       |   |



Missouri Department of dnr.mo.gov

# NATURAL RESOURCES

Eric R. Greitens, Governor

Carol S. Comer, Director

SEP 19 2017

Ms. Rhonda O'Leary  
Air Quality Specialist  
Enbridge (U.S.) Inc. - Salisbury Terminal  
33632 Hwy. 24  
Salisbury, MO 65281

RE: New Source Review Permit - Project Number: 2017-05-055

Dear Ms. O'Leary:

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, if any, 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](http://www.oa.mo.gov/ahc).



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Ms. Rhonda O'Leary  
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If you have any questions regarding this permit, please do not hesitate to contact Hans Robinson 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



Susan Heckenkamp  
New Source Review Unit Chief

SH:hrj

Enclosures

c: Northeast Regional Office  
PAMS File: 2017-05-055

Permit Number: 092017-004