

NPDES Permit No. IL0069477
Notice No. LRL:14040201.docx

Public Notice Beginning Date: **June 16, 2014**

Public Notice Ending Date: **July 16, 2014**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft Reissued NPDES Permit to Discharge into Waters of the State

Public Notice/Fact Sheet Issued By:

Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control
Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

Name and Address of Discharger:

Phillips 66 Company
420-19 South Tower
Post Office Box 1267
Ponca City, Oklahoma 74602-1267

Name and Address of Facility:

Phillips 66 Company
East St. Louis Terminal
3300 Mississippi Avenue
Cahokia, Illinois 62206
(St. Clair County)

The Illinois Environmental Protection Agency (IEPA) has made a tentative determination to issue a NPDES permit to discharge into the waters of the state and has prepared a draft permit and associated fact sheet for the above named discharger. The Public Notice period will begin and end on the dates indicated in the heading of this Public Notice/Fact Sheet. The last day comments will be received will be on the Public Notice period ending date unless a commentor demonstrating the need for additional time requests an extension to this comment period and the request is granted by the IEPA. Interested persons are invited to submit written comments on the draft permit to the IEPA at the above address. Commentors shall provide his or her name and address and the nature of the issues proposed to be raised and the evidence proposed to be presented with regards to those issues. Commentors may include a request for public hearing. Persons submitting comments and/or requests for public hearing shall also send a copy of such comments or requests to the permit applicant. The NPDES permit and notice number(s) must appear on each comment page.

The application, engineer's review notes including load limit calculations, Public Notice/Fact Sheet, draft permit, comments received, and other documents are available for inspection and may be copied at the IEPA between 9:30 a.m. and 3:30 p.m. Monday through Friday when scheduled by the interested person.

If written comments or requests indicate a significant degree of public interest in the draft permit, the permitting authority may, at its discretion, hold a public hearing. Public notice will be given 45 days before any public hearing. Response to comments will be provided when the final permit is issued. For further information, please call Leslie Lowry at 217/782-0610.

The applicant is engaged in the operation of petroleum bulk stations and terminals for storage and distribution of petroleum products (SIC 5171). Waste water is generated by the hydrostatic testing of tanks, pipelines and other equipment. Plant operation results in an average discharge of 0.2 MGD of hydrostatic test water from outfall 001, 0.2 MGD of hydrostatic test water from outfall 002, and 0.2 MGD of hydrostatic test water from outfall 003.

Application is made for existing discharges which are located in St. Clair County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

<u>Outfall</u>	<u>Receiving Stream</u>	<u>Latitude</u>		<u>Longitude</u>		<u>Stream Classification</u>	<u>Integrity Rating</u>
001	Unnamed Tributary to Dead Creek	38° 34' 45"	North	90° 11' 30"	West	General Use	Not Rated
002	Unnamed Tributary to Dead Creek	38° 34' 45"	North	90° 11' 30"	West	General Use	Not Rated
003	Unnamed Tributary to Dead Creek	38° 34' 45"	North	90° 11' 30"	West	General Use	Not Rated

To assist you further in identifying the location of the discharge please see the attached map.

The stream segment receiving the discharge from outfalls 001, 002, and 003 is not on the 2012 303(d) list of impaired waters and is not a biologically significant stream on the 2008 Illinois Department of Natural Resources Publication – *Integrating Multiple Taxa in a Biological Stream Rating System*.

The discharges from the facility shall be monitored and limited at all times as follows:

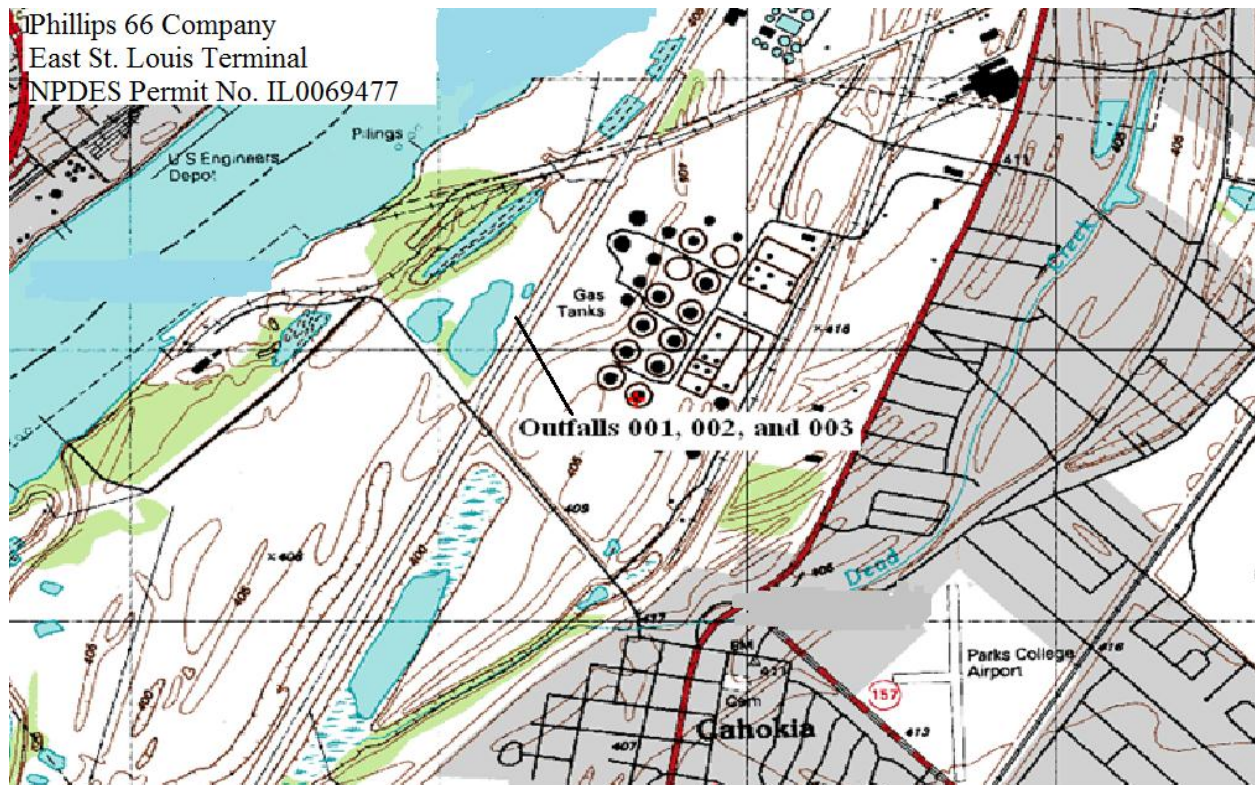
PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/l		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
<u>Outfall 001:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Total Residual Chlorine					0.05	40 CFR 125.3 and 35 IAC 302.208
BOD ₅				10	20	35 IAC 304.120
Total Suspended Solids				12	24	35 IAC 304.120
Oil and Grease				15	30	35 IAC 304.124
Iron (Total)				2	4	35 IAC 304.124
Benzene					0.05	40 CFR 125.3
Ethylbenzene				0.014	0.15	35 IAC 302.208
Toluene				0.023	2	40 CFR 122.44L
Xylenes				0.073	0.92	40 CFR 122.44L
BETX (Total)					0.05	40 CFR 122.44L
PNA's (Total)					0.1	40 CFR 125.3
Naphthalene				0.068	0.51	40 CFR 122.44L
Phenols					0.1	35 IAC 302.208
Methyl Tertiary Butyl Ether (MTBE)				6.7	67	40 CFR 122.44L
Lead (Total)				0.057	0.27	40 CFR 122.44L

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/l		REGULATION
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	
<u>Outfall 002:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Total Residual Chlorine					0.05	40 CFR 125.3 and 35 IAC 302.208
BOD ₅				10	20	35 IAC 304.120
Total Suspended Solids				12	24	35 IAC 304.120
Oil and Grease				15	30	35 IAC 304.124
Iron (Total)				2	4	35 IAC 304.124
Benzene					0.05	40 CFR 125.3
Ethylbenzene				0.014	0.15	35 IAC 302.208
Toluene				0.023	2	40 CFR 122.44L
Xylenes				0.073	0.92	40 CFR 122.44L
BETX (Total)					0.05	40 CFR 122.44L
PNA's (Total)					0.1	40 CFR 125.3
Naphthalene				0.068	0.51	40 CFR 122.44L
Phenols					0.1	35 IAC 302.208
Methyl Tertiary Butyl Ether (MTBE)				6.7	67	40 CFR 122.44L
Lead (Total)				0.057	0.27	40 CFR 122.44L
<u>Outfall 003:</u>						
Flow (MGD)						
pH				6 – 9 s.u.		35 IAC 304.125
Total Residual Chlorine					0.05	40 CFR 125.3 and 35 IAC 302.208
BOD ₅				10	20	35 IAC 304.120
Total Suspended Solids				12	24	35 IAC 304.120
Oil and Grease				15	30	35 IAC 304.124
Iron (Total)				2	4	35 IAC 304.124
Benzene					0.05	40 CFR 125.3

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/l		
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
<u>Outfall 003 cont.</u>						
Ethylbenzene				0.014	0.15	35 IAC 302.208
Toluene				0.023	2	40 CFR 122.44L
Xylenes				0.073	0.92	40 CFR 122.44L
BETX (Total)					0.05	40 CFR 122.44L
PNA's (Total)					0.1	40 CFR 125.3
Naphthalene				0.068	0.51	40 CFR 122.44L
Phenols					0.1	35 IAC 302.208
Methyl Tertiary Butyl Ether (MTBE)				6.7	67	40 CFR 122.44L
Lead (Total)				0.057	0.27	40 CFR 122.44L

The following explain the conditions of the proposed permit:

The Special Conditions clarify the flow, pH, Total Residual Chlorine, PNA's (Total), BETX (Total), discharge monitoring report submission, and monitoring location.



NPDES Permit No. IL0069477

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

Phillips 66 Company
1000 South Pine
420-19 South Tower, P.O. Box 1267
Ponca City, Oklahoma 74602-1267

Facility Name and Address:

Phillips 66 Company
East St. Louis Terminal
3300 Mississippi Avenue
Cahokia, Illinois 62206
(St. Clair County)

Discharge Number and Name:

001 Hydrostatic Test Water
002 Hydrostatic Test Water
003 Hydrostatic Test Water

Receiving Waters:

Unnamed Tributary to Dead Creek
Unnamed Tributary to Dead Creek
Unnamed Tributary to Dead Creek

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of Ill. Adm. Code, Subtitle C and/or Subtitle D, Chapter 1, and the Clean Water Act (CWA), the above-named permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the standard conditions and attachments herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Alan Keller, P.E.
Manager, Permit Section
Division of Water Pollution Control

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NPDES Permit No. IL0069477

Effluent Limitations and Monitoring

1. From the effective date of this permit until the expiration date, the effluent of the following discharges shall be monitored and limited at all times as follows:

PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		CONCENTRATION <u>LIMITS mg/l</u>		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
<u>Outfall 001 – Hydrostatic Test Water</u> (DAF = 0.2 MGD)						
Flow (MGD)	See Special Condition 1.				1/Day When Discharging	Measure
pH	See Special Condition 2.				1/Day When Discharging	Grab
Total Residual Chlorine	See Special Condition 3.			0.05	1/Day When Discharging	Grab
BOD ₅			10	20	1/Day When Discharging	Grab
Total Suspended Solids			12	24	1/Day When Discharging	Grab
Oil and Grease			15	30	1/Day When Discharging	Grab
Iron (Total)			2	4	1/Day When Discharging	Grab
Benzene*				0.05	1/Day When Discharging	Grab
Ethylbenzene*			0.014	0.15	1/Day When Discharging	Grab
Toluene*			0.023	2	1/Day When Discharging	Grab
Xylenes*			0.073	0.92	1/Day When Discharging	Grab
BETX (Total)	See Special Conditions 6 and 13.			0.05	1/Day When Discharging	Calculation
PNA's (Total)	See Special Conditions 7 and 13.			0.1	1/Day When Discharging	Calculation
Naphthalene*			0.068	0.51	1/Day When Discharging	Grab
Phenols*				0.1	1/Day When Discharging	Grab
Methyl Tertiary Butyl Ether (MTBE)	See Special Condition 16.		6.7	67	1/Day When Discharging	Grab
Lead (Total)	See Special Condition 17.		0.057	0.27	1/Day When Discharging	Grab
* - See Special Condition 13.						

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Effluent Limitations and Monitoring

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PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		CONCENTRATION <u>LIMITS mg/l</u>		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
<u>Outfall 002 – Hydrostatic Test Water</u> (DAF = 0.2 MGD)						
Flow (MGD)	See Special Condition 1.				1/Day When Discharging	Measure
pH	See Special Condition 2.				1/Day When Discharging	Grab
Total Residual Chlorine	See Special Condition 3.			0.05	1/Day When Discharging	Grab
BOD ₅			10	20	1/Day When Discharging	Grab
Total Suspended Solids			12	24	1/Day When Discharging	Grab
Oil and Grease			15	30	1/Day When Discharging	Grab
Iron (Total)			2	4	1/Day When Discharging	Grab
Benzene*				0.05	1/Day When Discharging	Grab
Ethylbenzene*			0.014	0.15	1/Day When Discharging	Grab
Toluene*			0.023	2	1/Day When Discharging	Grab
Xylenes*			0.073	0.92	1/Day When Discharging	Grab
BETX (Total)	See Special Conditions 6 and 13.			0.05	1/Day When Discharging	Calculation
PNA's (Total)	See Special Conditions 7 and 13.			0.1	1/Day When Discharging	Calculation
Naphthalene*			0.068	0.51	1/Day When Discharging	Grab
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Methyl Tertiary Butyl Ether (MTBE)	See Special Condition 16.		6.7	67	1/Day When Discharging	Grab
Lead (Total)	See Special Condition 17.		0.057	0.27	1/Day When Discharging	Grab
* - See Special Condition 13.						

NPDES Permit No. IL0069477

Effluent Limitations and Monitoring

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PARAMETER	LOAD LIMITS lbs/day <u>DAF (DMF)</u>		CONCENTRATION <u>LIMITS mg/l</u>		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
<u>Outfall 003 – Hydrostatic Test Water</u> (DAF = 0.2 MGD)						
Flow (MGD)	See Special Condition 1.				1/Day When Discharging	Measure
pH	See Special Condition 2.				1/Day When Discharging	Grab
Total Residual Chlorine	See Special Condition 3.			0.05	1/Day When Discharging	Grab
BOD ₅			10	20	1/Day When Discharging	Grab
Total Suspended Solids			12	24	1/Day When Discharging	Grab
Oil and Grease			15	30	1/Day When Discharging	Grab
Iron (Total)			2	4	1/Day When Discharging	Grab
Benzene*				0.05	1/Day When Discharging	Grab
Ethylbenzene*			0.014	0.15	1/Day When Discharging	Grab
Toluene*			0.023	2	1/Day When Discharging	Grab
Xylenes*			0.073	0.92	1/Day When Discharging	Grab
BETX (Total)	See Special Conditions 6 and 13.			0.05	1/Day When Discharging	Calculation
PNA's (Total)	See Special Conditions 7 and 13.			0.1	1/Day When Discharging	Calculation
Naphthalene*			0.068	0.52	1/Day When Discharging	Grab
Phenols*				0.1	1/Day When Discharging	Grab
Methyl Tertiary Butyl Ether (MTBE)	See Special Condition 16.		6.7	67	1/Day When Discharging	Grab
Lead (Total)	See Special Condition 17.		0.057	0.27	1/Day When Discharging	Grab
* - See Special Condition 13.						

NPDES Permit No. IL0069477

Special Conditions

SPECIAL CONDITION 1. Flow shall be measured in units of Million Gallons per Day (MGD) and reported as a monthly average and a daily maximum value on the Discharge Monitoring Report.

SPECIAL CONDITION 2. The pH shall be in the range 6.0 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. All samples for total residual chlorine shall be analyzed by an applicable method contained in 40 CFR 136, equivalent in accuracy to low-level amperometric titration. Any analytical variability of the method used shall be considered when determining the accuracy and precision of the results obtained.

SPECIAL CONDITION 4. Samples taken in compliance with the effluent monitoring requirements shall be taken at a point representative of the discharge, but prior to entry into the receiving stream.

SPECIAL CONDITION 5. If an applicable effluent standard or limitation is promulgated under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act and that effluent standard or limitation is more stringent than any effluent limitation in the permit or controls a pollutant not limited in the NPDES Permit, the Agency shall revise or modify the permit in accordance with the more stringent standard or prohibition and shall so notify the permittee.

SPECIAL CONDITION 6. For the purpose of this permit, BETX (Total) is defined as the arithmetic sum of Benzene, Ethylbenzene, Toluene and Xylene(s).

SPECIAL CONDITION 7. For the purpose of this permit, PNA's (Total) is defined as the arithmetic sum of the following polynuclear aromatic compounds: Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Chrysene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene and Pyrene.

SPECIAL CONDITION 8. The Permittee shall record monitoring results on Discharge Monitoring Report (DMR) Forms using one such form for each outfall each month.

In the event that an outfall does not discharge during a monthly reporting period, the DMR Form shall be submitted with no discharge indicated.

The Permittee may choose to submit electronic DMRs (NetDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the NetDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/net-dmr/index.html>.

The completed Discharge Monitoring Report forms shall be submitted to IEPA no later than the 15th day of the following month, unless otherwise specified by the permitting authority.

Permittees not using NetDMRs shall mail Discharge Monitoring Reports with an original signature to the IEPA at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

Attention: Compliance Assurance Section, Mail Code # 19

SPECIAL CONDITION 9. No effluent shall contain settleable solids, floating debris, visible oil, grease, scum, or sludge solids. Color (including color resulting from dyes or tracers in the hydrostatic test water), odor and turbidity must be reduced to below obvious levels.

SPECIAL CONDITION 10. Appropriate measures shall be taken to prevent water quality impacts resulting from soil erosion due to the discharge. The discharge flow rate shall be controlled so as not to cause scouring or other damage to stream beds or banks.

SPECIAL CONDITION 11. Solid wastes such as straw used for filtering or erosion control shall be disposed of in accordance with state and federal law.

SPECIAL CONDITION 12. For the purpose of this permit, Outfalls 001, 002, and 003 are limited to effluent resulting from hydrostatic testing of pipeline and tanks that had contained the products listed in the permit application fuel. Hydrostatic testing of pipeline or tanks containing products other than the products listed in the permit application requires an NPDES Permit modification. Modifications under this special condition shall follow public notice and opportunity for hearing.

NPDES Permit No. IL0069477

Special Conditions

SPECIAL CONDITION 13. The monitoring, reporting requirements, and limitations for Benzene, Ethylbenzene, Toluene, Xylenes, BETX (Total), PNA's (Total), Naphthalene, and Phenols are applicable when the discharges result from hydrostatic testing of pipeline or tanks that had contained Gasoline, RFG Gasoline, Diesel Fuel, Jet Fuel, Kerosene, or Aviation gasoline.

SPECIAL CONDITION 14. The Permittee shall notify the IEPA Collinsville Regional Office at (618-346-5120) least 24 hours prior to commencing any discharge of hydrostatic test water (see Attachment H). This notification shall include:

- A. Total volume of water discharged and discharge flow rate.
- B. The pipeline or tank(s) from which water to be discharged originates.
- C. Most recent product(s) stored in the pipeline or tank(s).
- D. Analysis of wastewater for NPDES parameters prior to discharge.

Upon notification, discharge may commence if wastewater analysis meets effluent limits. If wastewater analysis does not meet permitted effluent limits, treatment will be required before discharge. Construction of treatment facilities which may be necessary to meet the requirements of this permit may not be started until a construction permit is issued by the Agency.

This analysis shall be included on discharge monitoring reports.

SPECIAL CONDITION 15. Prior to performing any hydrostatic testing, the permittee shall empty the pipeline and tanks of any product and clean the pipeline and tanks.

SPECIAL CONDITION 16. The monitoring, reporting requirements, and limitations for Lead (Total) are applicable when the discharges result from hydrostatic testing of pipeline or tanks that had contained Aviation Gasoline.

SPECIAL CONDITION 17. The monitoring/reporting requirements and limitations for Methyl Tertiary Butyl Ether (MTBE) are applicable when the discharges result from the hydrostatic testing pipeline or tanks that had contained RFG Gasoline.

SPECIAL CONDITION 18. The effluent, alone or in combination with other sources, shall not cause a violation of any applicable water quality standard outlined in 35 Ill. Adm. Code 302.