

NPDES Permit No. IL0071803  
Notice No. 13111401bwc.docx

Public Notice Beginning Date: **March 18, 2014**

Public Notice Ending Date: **April 17, 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 Permittee:

Phillips 66 Company  
411 South Keeler Avenue  
Bartlesville, Oklahoma 74003

Name and Address of Facility:

Phillips 66 Company Hartford Product Terminal  
2150 South Delmar Avenue  
Hartford, Illinois 62048  
(Madison 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 Permittee. 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 Brian W. Cox at 217/782-0610.

The applicant is engaged in the operation of a bulk storage terminal which may be used to store gasoline, diesel, liquid petroleum gas, biodiesel, and jet fuel (SIC 5171). Wastewater is generated from hydrostatic tests which are intermittently conducted on new or repaired product storage tanks which have been cleaned to remove residual product. Facility operations result in a maximum discharge of 3.3 MGD of hydrostatic test water.

The hydrostatic test water will be sampled prior to discharge. If the sample indicates treatment is needed then activated carbon and/or sodium bisulfite may be utilized to remove the contaminant(s) of concern prior to discharge.

The following modifications are proposed:

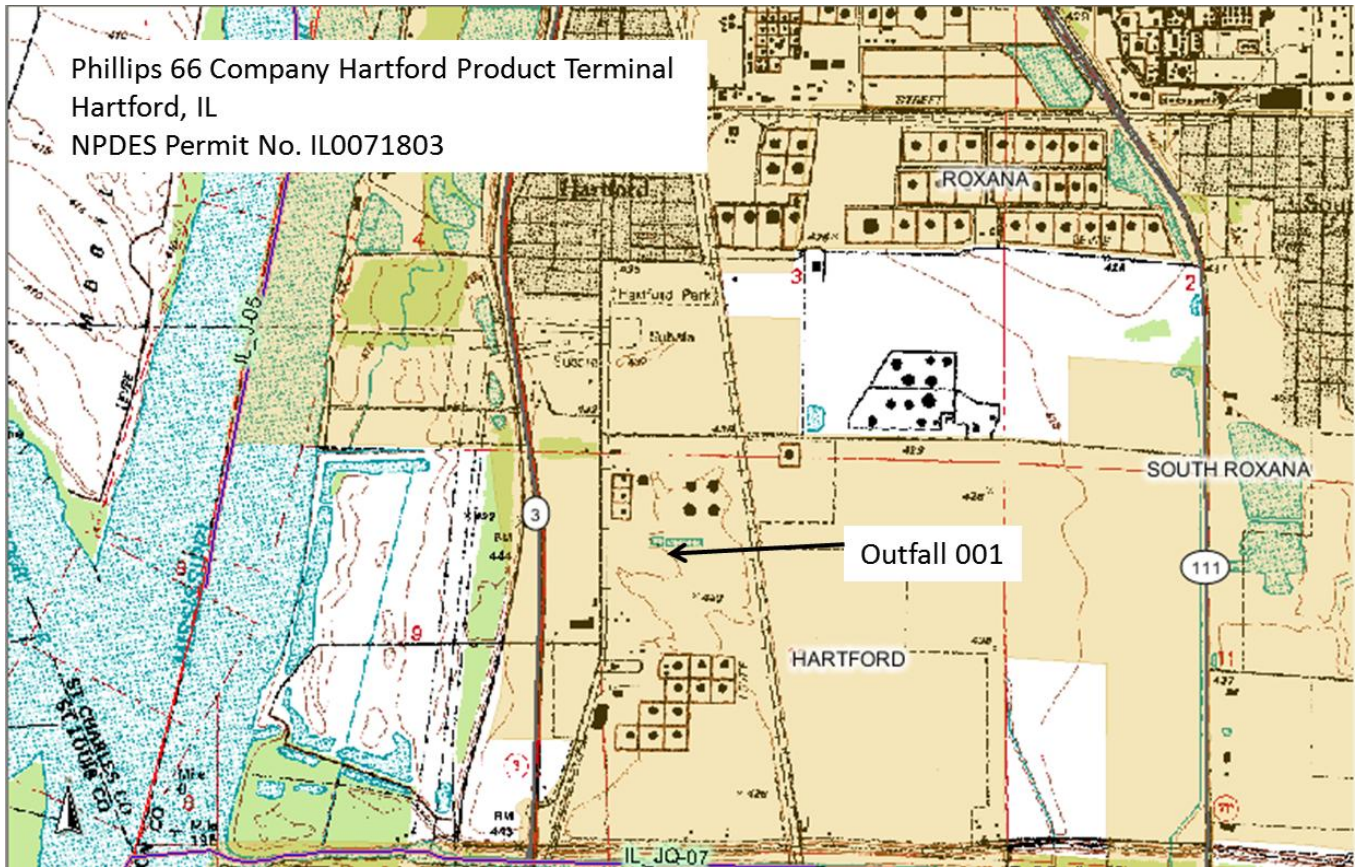
The name and the address of the permittee have been updated to reflect a change of ownership. The name has been changed from ConocoPhillips Pipe Line Company to Phillips 66 Company. The name of the facility has been changed from ConocoPhillips Hartford Terminal to Phillips 66 Company Hartford Product Terminal.

Application is made for the existing discharge(s) which is located in Madison 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 Cahokia Diversion Channel	38° 48' 50" North	90° 05' 30" West	General Use	Not Rated

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

The unnamed tributary receiving the discharges from outfall(s) 001 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 discharge(s) from the facility shall be monitored and limited at all times as follows:

Outfall: 001

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		REGULATION	CONCENTRATION LIMITS mg/L		
	30 DAY AVERAGE	DAILY MAXIMUM		30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Flow (MGD)				Monitor Only		
pH						35 IAC 304.125
Total Suspended Solids				15	30	35 IAC 304.124
Oil & Grease				15	30	35 IAC 304.124
Total Iron				2.0	4.0	35 IAC 304.124
Total Residual Chlorine					0.05	40 CFR 125.3
Benzene					0.05	40 CFR 125.3
Ethylbenzene				0.014	0.15	35 IAC 302.208
Toluene				0.14	0.75	40 CFR 125.3
Xylenes				0.117	0.75	40 CFR 125.3
Total BETX					0.75	40 CFR 125.3
Total PNA's					0.10	40 CFR 125.3
Naphthalene				0.068	0.10	40 CFR 125.3
Phenols					0.1	35 IAC 302.208
n-Hexane*					Monitor Only	
Propylene*					Monitor Only	
Ethyl Mercaptan*					Monitor Only	
TTO					Monitor Only	

\*The monitoring and reporting requirements and limitations for n-hexane apply to hydrostatic testing of storage tanks and pipelines that had contained LPG natural gasoline; and the monitoring and reporting requirements and limitations for propylene and ethyl mercaptan apply to hydrostatic testing of storage tanks and pipelines that had contained the propane-butane mixture.

The following explain the conditions of the proposed permit:

The special conditions of the permit serve the purpose of clarifying monitoring requirements, monitoring location, DMR submission requirements, and discharge notification requirements. The special conditions also prohibit the discharge from causing offensive conditions in the receiving stream, require that adequate erosion protection is being implemented, and provide additional clarification for monitoring requirements of flow, pH, TRC, BETX, Total PNAs, and TTO.

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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  
411 South Keeler Avenue  
Bartlesville, Oklahoma 74003

Facility Name and Address:

Phillips 66 Company Hartford Product Terminal  
2150 South Delmar Avenue  
Hartford, Illinois 62048  
(Madison County)

Discharge Number and Name:

Outfall 001 – Hydrostatic Test Water

Receiving Waters:

Unnamed tributary to Cahokia Diversion Channel

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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Effluent Limitations and Monitoring

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

Outfall(s): 001 – Hydrostatic Test Water  
(DMF = 3.3 MGD)

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/L		SAMPLE FREQUENCY	SAMPLE TYPE
	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE	DAILY MAXIMUM		
Flow (MGD)	See Special Condition 1				1/Discharge	Measurement
pH	See Special Condition 2				1/Discharge	Grab
Total Suspended Solids			15	30	1/Discharge	Grab
Oil & Grease			15	30	1/Discharge	Grab
Total Iron			2.0	4.0	1/Discharge	Grab
Total Residual Chlorine*				0.05	1/Discharge	Grab
Benzene				0.05	1/Discharge	Grab
Ethylbenzene			0.014	0.15	1/Discharge	Grab
Toluene			0.14	0.75	1/Discharge	Grab
Xylenes			0.117	0.75	1/Discharge	Grab
Total BETX				0.75	1/Discharge	Calculation**
Total PNA's				0.1	1/Discharge	Calculation***
Naphthalene			0.068	0.1	1/Discharge	Grab
Phenols				0.1	1/Discharge	Grab
n-Hexane****				Monitor Only	1/Discharge	Grab
Propylene****				Monitor Only	1/Discharge	Grab
Ethyl Mercaptan****				Monitor Only	1/Discharge	Grab
TTO				Monitor Only	1/Discharge	Calculation****

\* See Special Condition 16

\*\*See Special Condition 12

\*\*\*See Special Condition 13

\*\*\*\*See Special Condition 11

\*\*\*\*\*The monitoring and reporting requirements and limitations for n-hexane apply to hydrostatic testing of storage tanks and pipelines that had contained LPG natural gasoline; and the monitoring and reporting requirements and limitations for propylene and ethyl mercaptan apply to hydrostatic testing of storage tanks and pipelines that had contained the propane-butane mixture.

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 on the Discharge Monitoring Report. The monthly average shall consist of the summation of the daily flows divided by the number of days the facility discharged during that month.

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. 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 4. 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 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. The permittee shall provide telephone notification to the IEPA – Collinsville Regional Office (618/346-5120) at least 24 hours prior to any hydrostatic testing which may result in a discharge (See Attachment H). This notification shall include: the total volume of water discharged and the discharge flow rate; the pipeline or tank(s) from which water to be discharged originates; and the most recent product(s) stored in the tanks or pipeline.

SPECIAL CONDITION 7. No effluent shall contain settleable solids, floating debris, visible oil, grease, scum or sludge solids. Color, odor and turbidity must be reduced to below obvious levels.

SPECIAL CONDITION 8. 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.

SPECIAL CONDITION 9. 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 10. Solid waste such as straw used for filtering or erosion control shall be disposed of in accordance with state and federal law.

SPECIAL CONDITION 11. For the purpose of this permit: TTO is defined as the total toxic organics in the Volatile and Base/Neutral fractions. See Appendix A of this permit. All parameters shall be sampled in accordance with 40 CFR 136 and the results submitted as an attachment to the monthly DMR. The Agency may modify this permit during its term to incorporate additional monitoring requirements and limitations. Modification under this condition shall follow public notice and opportunity for hearing.

SPECIAL CONDITION 12. For the purpose of this permit total BETX is defined as the arithmetic sum of Benzene, Ethylbenzene,

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Special Conditions

Toluene and Xylene(s).

**SPECIAL CONDITION 13.** For the purpose of this permit Total PNAs shall be defined as the arithmetic sum of the following compounds:

Acenaphthene	Chrysene
Acenaphthylene	Dibenzo (a,h) anthracene
Anthracene	Fluoranthene
Benzo (a) anthracene	Fluorene
Benzo (a) pyrene	Indeno (1,2,3-cd) pyrene
3,4 Benzofluoranthene	Naphthalene
Benzo (ghi) perylene	Phenanthrene
Benzo (k) fluoranthene	Pyrene

All samples shall be tested using test methods promulgated in 40 CFR 136, or other approved methods shall be utilized. The Agency may modify this permit during its term to incorporate additional monitoring requirements and limitations. Modification under this condition shall follow public notice and opportunity for hearing.

**SPECIAL CONDITION 14.** This permit does not authorize the discharge of cleaning solutions, or other wastewater resulting from the cleaning of tanks prior to hydrostatic testing. In the event the permittee shall require the use of water treatment additives other than those previously approved by this Agency, or if the permittee increases the feed rate or quantity of the additives used beyond what has previously been approved by this Agency, the permittee shall request a modification of this permit in accordance with the Standard Conditions – Attachment H.

**SPECIAL CONDITION 15.** Stormwater discharges from portions of the facility that are either involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling and lubrication) or equipment cleaning operations are considered to be associated with industrial activity and are not authorized to be discharged under this NDPE Permit.

**SPECIAL CONDITION 16.** 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. For the purpose of this permit Total Residual Chlorine means those substances which include combined and uncombined forms of both chlorine and bromine and which are expressed, by convention, as an equivalent concentration of molecular chlorine.

The water quality standard for TRC (0.011 mg/l 30-day average and 0.019 mg/l daily max) is below the method detection level (0.05 mg/l) as described in 40 CFR 136. Therefore, for the purpose of this permit, the method detection level will be utilized to determine compliance with the permit limit for TRC. A measurement of <0.05 mg/l reported on the DMR shall not be considered a violation of the water quality based effluent limit. This reporting threshold is being established to determine compliance and does not authorize the discharge of TRC in excess of the water quality based effluent limit.

**SPECIAL CONDITION 17.** If the hydrostatic test water is found to have concentrations above this permit's limits, then the water shall be treated to reduce the concentration levels for the parameter(s) of concern to meet the limits described within this permit. If treatment is necessary, the hydrostatic test water shall be treated utilizing sodium bisulfite and/or activated carbon as described in the permit application dated October 26, 2012.

Special Conditions**Appendix A**

<u>Volatiles</u>	<u>Base/Neutral</u>
acrolein acrylonitrile benzene bromoform carbon tetrachloride chlorobenzene chlorodibromomethane chloroethane 2-chloroethylvinyl ether chloroform dichlorodibromomethane 1,1-dichloroethane 1,2-dichloroethane 1,1-dichloroethylene 1,2-dichloropropane 1,3-dichloropropylene ethylbenzene methyl bromide methyl chloride methylene chloride 1,1,1,2-tetrachloroethane tetrachloroethylene toluene 1,2-trans-dichloroethylene 1,1,1-trichloroethane 1,1,2-trichloroethane trichloroethylene vinyl chloride	acenaphthene acenaphthylene anthracene benzidine benzo(a)anthracene benzo(a)pyrene 3,4-benzofluoranthene benzo(ghi)perylene benzo(k)fluoranthene bis(2-chloroethoxy)methane bis(2-chloroethyl)ether bis(2-ethylhexyl)phthalate 4-bromophenyl phenyl ether chrysene dibenzo(a,h)anthracene 1,2-dichlorobenzene 1,3-dichlorobenzene 1,4-dichlorobenzene 3,3'-dichlorobenzidine diethyl phthalate dimethyl phthalate di-n-butyl phthalate 2,4-dinitrotoluene 2,6-dinitrotoluene di-n-octyl phthalate 1,2-diphenylhydrazine (as azobenzene) fluroanthene fluorene hexachlorobenzene hexachlorobutadiene hexachlorocyclopentadiene hexachloroethane indeno(1,2,3-cd)pyrene isophorone naphthalene nitrobenzene N-nitrosodimethylamine N-nitrosodi-n-propylamine N-nitrosodiphenylamine phenanthrene 1,2,4-trichlorobenzene