

NPDES Permit No. IL0000035
Notice No. SMT:12081601.smt

Public Notice Beginning Date: **August 29, 2013**

Public Notice Ending Date: **September 30, 2013**

National Pollutant Discharge Elimination System (NPDES)
Permit Program

Draft Modified 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:

BP Wood River Facility
301 Evans Avenue
Post Office Box 167
Wood River, Illinois 62095

Name and Address of Facility:

BP Wood River Facility
335 South Old Saint Louis Road
Wood River, Illinois 62095
(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 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 Shu-Mei Tsai at 217/782-0610.

The applicant is engaged in the operation of a bulk distribution terminal (SIC 5171). The facility is a former oil refinery that has been closed since 1981. Petroleum product distribution still occurs at the site along with groundwater clean-up activities. Waste water is generated from hydrostatic testing activities of product storage tanks, pipelines and appurtenances located onsite, water which collects in the bottom of tanks, pumping groundwater, groundwater collection trench waters, sanitary, and precipitation which contacts the site. A series of ponds accept the wastewater. There has not been a discharge from the pond system since the flood of 1995. Plant operation results in an average discharge of 0.01 MGD of cone of depression wells, monitoring wells (purge water), Mississippi river seep area trench, former channel seep area sump, remediation systems, tank bottoms, hydrostatic test water, Pond 1 landfill leachate, sanitary and stormwater from outfall 002.

The following modification is proposed:

The permitted flow at outfall 001 will be reduced from 2.5 MGD to 0.01 MGD.

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

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
002	Mississippi River	38E 51' 05"	North	90E 05' 36"	West	General Use	Not Rated

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

The stream segment J-05 receiving the discharge from outfall 002 is on the draft 2010 Illinois Integrated Water Quality Report and Section 303(d) List. The receiving water has not been given an integrity rating or been listed as biologically significant in the 2008 Illinois Department of Natural Resources publication *Integrating Multiple Taxa in a Biological Stream Rating System*. The impaired designated uses and pollutants causing impairment are tabulated below:

Designated Uses	Pollutants Causing Impairment
Fish Consumption	Mercury and Polychlorinated biphenyls (PCB's)
Public Water Supply	Manganese
Primary Contact	Fecal Coliform

The discharge(s) from the facility shall be monitored and limited at all times as follows:

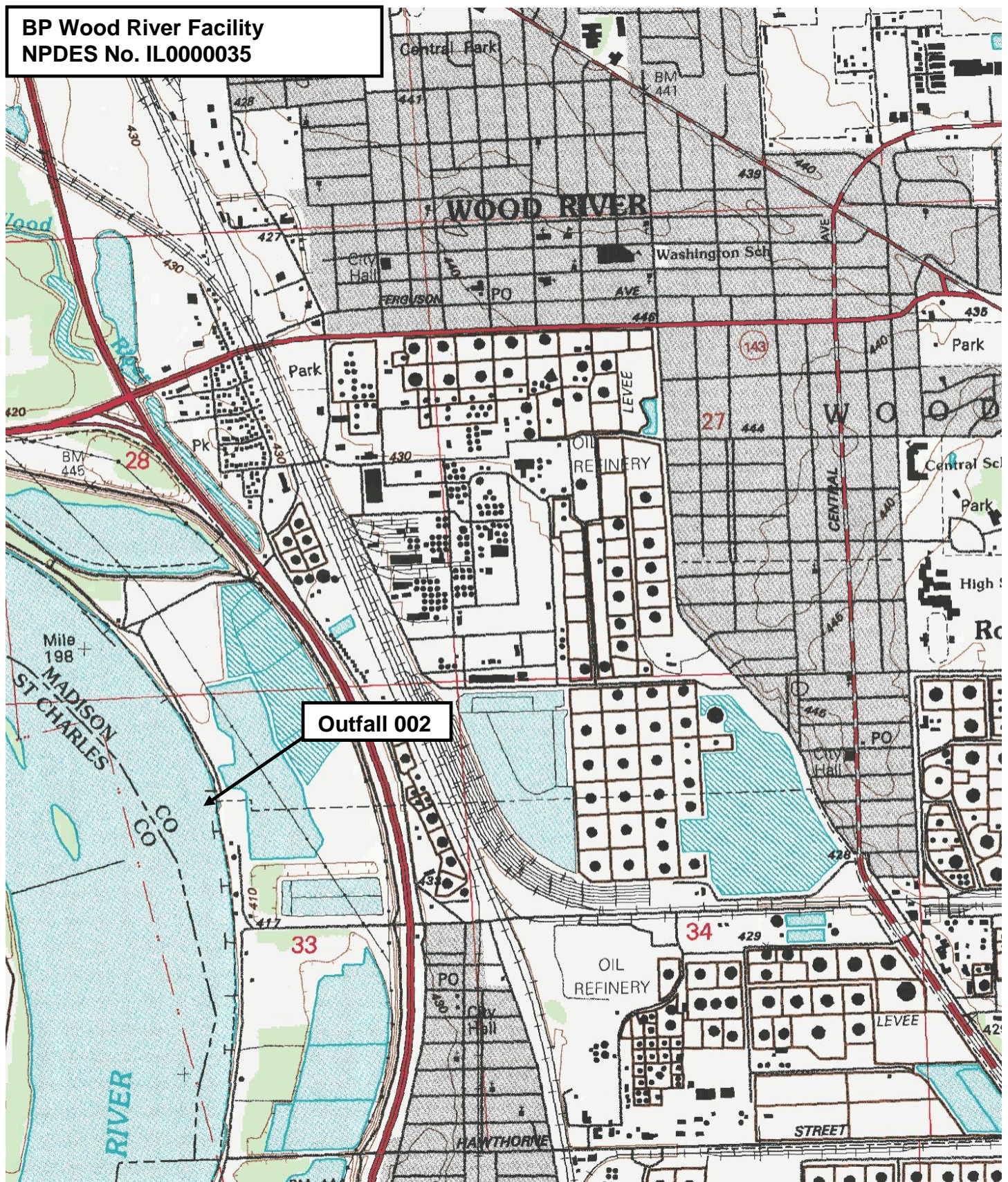
Outfall: 002 Cone of Depression Wells, Monitoring Wells (Purge Water), Mississippi River Seep Area Trench, Former Channel Seep Area Sump, Remediation Systems, Tank Bottoms, Hydrostatic Test Water, Pond 1 Landfill Leachate, Sanitary and Stormwater (DAF = 0.01 MGD)

	LOAD LIMITS lbs/day			CONCENTRATION		
	DAF (DMF)			LIMITS mg/l		
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Flow (MGD)						
pH						35 IAC 302.204
BOD5				20	40	35 IAC 304.120(b)
Total Suspended Solids				25	50	35 IAC 304.120(b)
Oil and Grease				15	30	35 IAC 304.124
Fecal Coliform						35 IAC 304.121
Total Residual Chlorine					0.05	40 CFR 125.3
Ammonia						
Mar-May/Sep-Oct				1.5	3.0	40 CFR 122.44(l)
Jun-Aug				1.2	3.0	35 IAC 302.212
Nov-Feb				3.1	4.7	35 IAC 302.212
Benzene				Monitor Only		35 IAC 309.146
Ethylbenzene				Monitor Only		35 IAC 309.146
Toluene				Monitor Only		35 IAC 309.146
Xylenes				Monitor Only		35 IAC 309.146

The following explain the conditions of the proposed permit:

The special conditions clarify: flow reporting, pH, monitoring location, discharge monitoring reports, re-opening of the permit, fecal coliform, total residual chlorine, and stormwater pollution prevention plan requirements.

**BP Wood River Facility
NPDES No. IL0000035**



0 0.5 Mi
0 2000 Ft

NPDES Permit No. IL0000035

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

Modified (NPDES) Permit

Expiration Date: January 31, 2018

Issue Date: February 14, 2013

Effective Date: February 14, 2013

Modification Date:

Name and Address of Permittee:

Facility Name and Address:

BP Wood River Facility
301 Evans Avenue
Post Office Box 167
Wood River, Illinois 62095

BP Wood River Facility
335 South Old Saint Louis Road
Wood River, Illinois 62095
(Madison County)

Discharge Number and Name:

Receiving Waters:

002 Emergency Overflow - Cone of Depression Wells,
Monitoring Wells (Purge Water), Mississippi River Seep Area
Trench, Former Channel Seep Area Sump, Remediation Systems,
Tank Bottoms, Hydrostatic Test Water, Pond 1 Landfill Leachate,
and Sanitary

Mississippi River

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. IL0000035

Effluent Limitations and Monitoring

1. From the modification 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: 002 Emergency Overflow - Cone of Depression Wells, Monitoring Wells (Purge Water), Mississippi River Seep Area Trench, Former Channel Seep Area Sump, Remediation Systems, Tank Bottoms, Hydrostatic Test Water, Pond 1 Landfill Leachate, and Sanitary (DAF = 0.01 MGD)

	LOAD LIMITS lbs/day DAF (DMF)		CONCENTRATION LIMITS mg/l				
PARAMETER	30 DAY AVERAGE	DAILY MAXIMUM	30 DAY AVERAGE		DAILY MAXIMUM	SAMPLE FREQUENCY	SAMPLE TYPE
Flow (MGD)	See Special Condition 1					Once Every Event	
pH	See Special Condition 2					Once Every Event	Grab
BOD ₅			20		40	Once Every Event	Grab
Total Suspended Solids			25		50	Once Every Event	Grab
Oil and Grease			15		30	Once Every Event	Grab
Fecal Coliform	See Special Condition 6					Once Every Event	Grab
Total Residual Chlorine	See Special Condition 7				0.05	Once Every Event	Grab
Ammonia Mar-May/Sep-Oct Jun-Aug Nov-Feb			Weekly 3.8 3.0	Monthly 1.5 1.2 3.1	Daily Max 3.0 5.7 4.7	Once Every Event	Grab
Benzene			Monitor		Monitor	Once Every Event	Grab
Ethylbenzene			Monitor		Monitor	Once Every Event	Grab
Toluene			Monitor		Monitor	Once Every Event	Grab
Xylenes			Monitor		Monitor	Once Every Event	Grab

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 monthly 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. Samples taken in compliance with the effluent monitoring requirements shall be taken prior to mixing with stormwater and prior to entry into the receiving stream.

SPECIAL CONDITION 4. The Permittee shall record the monitoring results on the 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 (eDMRs) instead of mailing paper DMRs to the IEPA. More information, including registration information for the eDMR program, can be obtained on the IEPA website, <http://www.epa.state.il.us/water/edmr/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 eDMRs 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 daily maximum fecal coliform count shall not exceed 400 per 100 ml.

SPECIAL CONDITION 7. All samples for total residual chlorine (TRC) 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 8. The permittee shall provide telephone notification to the Collinsville FOS at (618) 346-5120 at least 24 hours prior to any hydrostatic testing activities.

SPECIAL CONDITION 9. All tanks, pipelines and appurtenances must be thoroughly cleaned and free of product residuals prior to hydrostatic testing activities. Cleaning waters are not authorized to be discharged by this permit and must be disposed of at a site and in a manner acceptable to the Agency. Contact the Industrial Permit Unit at (217) 782-0610 to determine if specific disposal practices of cleaning waters requires additional permitting.