

NPDES Permit No. IL0069248
Notice No. JAR:12020801.ajo

Public Notice Beginning Date: **April 4, 2012**

Public Notice Ending Date: **May 4, 2012**

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:

Peoples Gas Light and Coke Company
230 County Road 2800 North
Fisher, Illinois 61843

Name and Address of Facility:

Manlove Field Natural Gas Storage Station
230 County Road 2800 North
Fisher, Illinois 61843
(Champaign 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 Jaime Rabins at 217/782-0610.

The applicant is engaged in operating a natural gas storage facility (SIC 4922). Natural gas is stored in the Mt. Simon storage reservoir in Champaign County. When needed it withdrawn from the ground and pumped to above-ground storage tanks in the form of liquefied natural gas prior to distribution via company owned piping. Waste water is generated from recharging the water softener, hydrostatic testing activities, fire fighting training activities, cleaning equipment, removing water from the natural gas stream, and periodic discharges (blowdown) from the triethylene glycol dehydrator when an upset occurs.

Plant operation results in an average discharge of 0.085 MGD of softener backwash, equipment wash water, fire fighter training water, hydrostatic test water, natural gas condensate, and blowdown from the triethylene glycol dehydrator from outfall 001, and an intermittent discharge of storage lagoon effluent from outfall A01. The natural gas condensate and blowdown from the triethylene glycol dehydrator are treated using rock filtration, combined with softener recharge, oil/separator, sedimentation and an aerated storage lagoon or a three-cell aerated lagoon system prior to discharge.

The following modifications are proposed:

1. New discharges of equipment wash water, fire fighting training water and hydrostatic test water are now authorized.
2. The wastestream previously referred to as water which has the potential to come into contact with glycol will be renamed natural gas condensate and blowdown from the triethylene glycol dehydrator to better describe the wastesources.

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

Outfall	Receiving Stream	Latitude		Longitude		Stream Classification	Biological Stream Characterization
001	Unnamed tributary of the Sangamon River	40° 15' 49"	North	88° 24' 19"	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 outfall 001 is not 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 discharge(s) from the facility shall be monitored and limited at all times as follows:

Outfall: 001 Softener Backwash, Equipment Wash Water, Fire Fighter Training Water, Hydrostatic Test Water, Natural Gas Condensate, and Blowdown from the Triethylene Glycol Dehydrator (DAF = 0.085 MGD)

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)						
pH			Shall be in the range of 6.5 to 9.0 standard units			35 IAC 302.204
CBOD ₅				25	50	35IAC304.120(g)
Total Suspended Solids				37	74	35IAC304.120(a)
Oil and Grease				15	30	35 IAC 304.124
Iron				2	4	35 IAC 304.124
Dissolved Oxygen				Monthly Avg. not less than	Weekly Avg. not less than	Daily Min.
	Mar – Jul Aug – Feb			5.5	6.0 4.0	5.0 3.5
Outfall: A01 Storage Lagoon (Intermittent Discharge)						
Flow (MGD)						
BOD ₅				10	20	35IAC304.120(c)
Total Suspended Solids				12	24	35IAC304.120(c)

The following explain the conditions of the proposed permit:

The applicant applied for and was issued an exemption from the effluent standards of 35 IAC 304.120(c) on April 22, 1992 based on the operation of a three-stage lagoon with a design average flow of 0.02 mgd. While the exemption was based on a design average flow of 0.02 mgd and the permitted discharge is 0.085 mgd, most of the flow is from infrequent discharges including a 135 gpd of softener backwash, 5000 gpd of hydrostatic test water and 40 gpd of natural gas condensate and blowdown from the ethylene glycol dehydrator. The infrequent discharges consist of 700 gallons of equipment wash water discharged bi-annually and 75,000 gallons of fire fighting training water discharged once per year. Water from the Storage Lagoon bypasses the three-stage lagoon and is thus not exempted from the 304.120(a) effluent standards.

The special conditions clarify flow reporting, pH, monitoring location, discharge monitoring reports, re-opening of the permit, and treatment system operator requirements.

Antidegradation Assessment for Peoples Gas Light and Coke – Manlove Field Natural Gas Storage Station
NPDES Permit No. IL0069248 Champaign County

The subject facility has applied to modify their existing NPDES permit to include hydrostatic test water, equipment wash water, and fire fighting training wastewater. The equipment wash water and fire fighting training wastewater are existing discharges. The equipment wash water is a bi-annual discharge with a volume of discharge of 700 gallons. The fire fighting training wastewater happens once per year and is less than 75,000 gallons. The hydrostatic test water was previously permitted under a general NPDES permit.

The subject facility is continuously putting in new piping across a 5 mile radius of land. The new piping is hydrostatically tested to verify its structural integrity. The water source for hydrostatic testing is the fire pond. A tanker truck fills up at the fire pond, and takes the water to the newly installed piping. After the hydrostatic testing, the water is put back in the tanker truck and it is discharged in the lagoon.

Identification and Characterization of the Affected Water Body.

The subject facility discharges to an unnamed tributary of the Sangamon River at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. The unnamed tributary of the Sangamon River is classified as a General Use Water. The unnamed tributary of the Sangamon River is not listed as a biologically significant stream in the 2008 Illinois Department of Natural Resources Publication Integrating Multiple Taxa in a Biological Stream Rating System, nor is it given an integrity rating in that document. The unnamed tributary of the Sangamon River, tributary to Waterbody Segment, E-29, is not listed on the draft 2010 Illinois Integrated Water Quality Report and Section 303(d) List since it has not been assessed. The unnamed tributary of the Sangamon River is not subject to enhanced dissolved oxygen standards.

Agency Conclusion.

Upon completing the assessment, it has been determined that the proposed activity will result in only short-term, temporary increases in pollutant loading and will not result in long term or permanent impacts to existing uses including aquatic life habitat; therefore, we find that it is subject to Subsection (d) "Activities Not Subject to a Further Antidegradation Assessment" of 35 Ill. Adm. Code 302.105.

**Peoples Gas Light and Coke Company
Manlove Field Natural Gas Storage Station
NPDES No. IL0069248**



Outfall 001



0 0.5 Mi
0 2000 Ft

NPDES Permit No. IL0069248

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:

Peoples Gas Light and Coke Company
230 County Road 2800 North
Fisher, Illinois 61843

Facility Name and Address:

Manlove Field Natural Gas Storage Station
230 County Road 2800 North
Fisher, Illinois 61843
(Champaign County)

Discharge Number and Name:	Receiving Waters:
001 Softener Backwash, Equipment Wash Water, Fire Fighter Training Water, Hydrostatic Test Water, Natural Gas Condensate, and Blowdown from the Triethylene Glycol Dehydrator	Unnamed tributary of the Sangamon River
A01 Storage Lagoon	

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. IL0069248

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: 001 Softener Backwash, Equipment Wash Water, Fire Fighter Training Water, Hydrostatic Test Water, Natural Gas Condensate, and Blowdown from the Triethylene Glycol Dehydrator (DAF = 0.085 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/Week	
pH	See Special Condition 3					2/Month	Grab
CBOD ₅			25	50		2/Month	Grab
Total Suspended Solids			37	74		2/Month	Grab
Oil and Grease			15	30		2/Month	Grab
Iron			2	4		2/Month	Grab
Dissolved Oxygen			Monthly Avg. not less than	Weekly Avg. not less than	Daily Min.		
Mar – Jul Aug – Feb			5.5	6.0 4.0	5.0 3.5	1/Week	Grab

Dissolved Oxygen shall be reported on the DMR as minimum.

NPDES Permit No. IL0069248

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: A01 Storage Lagoon (Intermittent Discharge)

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/Week	
BOD ₅			10	20	2/Month	Grab
Total Suspended Solids			12	24	2/Month	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. 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 3. The pH shall be in the range 6.5 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

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 (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 use or operation of this facility shall be by or under the supervision of a Certified Class K operator.