

NPDES Permit No. IL0079588  
Notice No. JAR:11051701.bah

Public Notice Beginning Date: **June 30, 2011**

Public Notice Ending Date: **August 1, 2011**

National Pollutant Discharge Elimination System (NPDES)  
Permit Program

Draft New 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:

Natural Gas Pipeline Company of America, LLC  
370 Van Gordon Street  
Lakewood, Colorado 80228

Name and Address of Facility:

Natural Gas Pipeline Company of America  
Calumet Line #3 (Site CA-9H)  
3 Miles Northeast of Channahon  
(Will 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 the transmission and storage of natural gas (SIC 4922). Waste water is generated from hydrostatic testing approximately 4 miles of the Calumet #3-36" pipeline and associated meter facilities from Natural's existing Minooka Meter to the Des Plaines River. Testing activities will result in an average discharge of 1.25 MGD of hydrostatic test water from outfall 001.

Application is made for new discharge which is located in Will 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	Des Plaines River	41° 26' 59"	North	88° 10' 08"	West	Secondary Contact	Not Rated

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

The stream segment G-12 receiving the discharge from outfall 001 is on the 2010 draft Illinois Integrated Water Quality Report and Section 303 (d) List of impaired waters. The following parameters have been identified as the pollutants causing impairment:

Impaired Designated Use	Causes of Impairment
Fish Consumption	Mercury and Polychlorinated Biphenyls (PCB's)

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

Outfall(s): 001 Hydrostatic Test Water (DAF = 1.25 MGD)

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/l		
	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Flow (MGD)						
pH	Shall be within the range of 6 to 9 standard units					35 IAC 304.125
Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	30	35 IAC 304.124
Iron				2.0	4.0	35 IAC 304.124

The following explain the conditions of the proposed permit:

The special conditions clarify flow monitoring, pH limits, monitoring locations, DMR submission requirements, withdrawal of source water, and various other discharge requirements.

Natural Gas Pipeline Co. of America LLC – Calumet 3 Hydrotest Antidegradation Assessment  
NPDES Permit No. IL0079588 Will County

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The subject facility has applied for an NPDES permit for maintenance hydrostatic testing of approximately 4 miles of the Calumet #3-36" pipeline and associated meter facilities from Natural's existing Minooka Meter to the Des Plaines River. US DOT regulations require the hydrostatic test. Approximately 1.25 million gallons of water will be removed from the Des Plaines River and used for the hydrostatic test. Upon completion of the test, the water will be released back to the Des Plaines River at the location where it was withdrawn. The water will be discharged at a rate of approximately 1,500 gpm through erosion control structures. The entire hydrostatic test discharge will take less than 24 hours.

#### **Identification and Characterization of the Affected Water Body**

The Des Plaines River (segment G-12) has a 7Q10 flow of 1493 cfs and is a Secondary Contact and Indigenous Aquatic Life Use water at this location. The stream is listed on the draft 2010 Illinois Integrated Water Quality Report and Section 303(d) List as impaired for fish consumption uses. The causes of this impairment are given as mercury and PCBs. This segment is fully supporting aquatic life uses. The Des Plaines 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. The Des Plaines River is not designated as an enhanced water pursuant to the dissolved oxygen water quality standard. The IDNR WIRT system does not list any state threatened or endangered aquatic species as residing in the receiving stream.

#### **Identification of Proposed Pollutant Load Increases or Potential Impacts on Uses**

The water discharged will be a natural surface water from the area. No additives will be used. Trace hydrocarbons from the pipeline may be present in concentrations that will be below water quality standards. Discharge will be controlled to prevent erosion. No adverse impact on the receiving stream will occur.

#### **Fate and Effect of Parameters Proposed for Increased Loading**

Since natural water is being used in the hydrostatic test, only traces of unnatural substances will be present in the discharged water. No adverse impacts in the Des Plaines River will occur because of this discharge.

#### **Purpose and Social & Economic Benefits of the Proposed Activity**

The pipeline must be hydrostatically tested according to US DOT regulations. Ensuring a safe natural gas pipeline is a benefit to the local community.

#### **Assessments of Alternatives for Less Increase in Loading or Minimal Environmental Degradation**

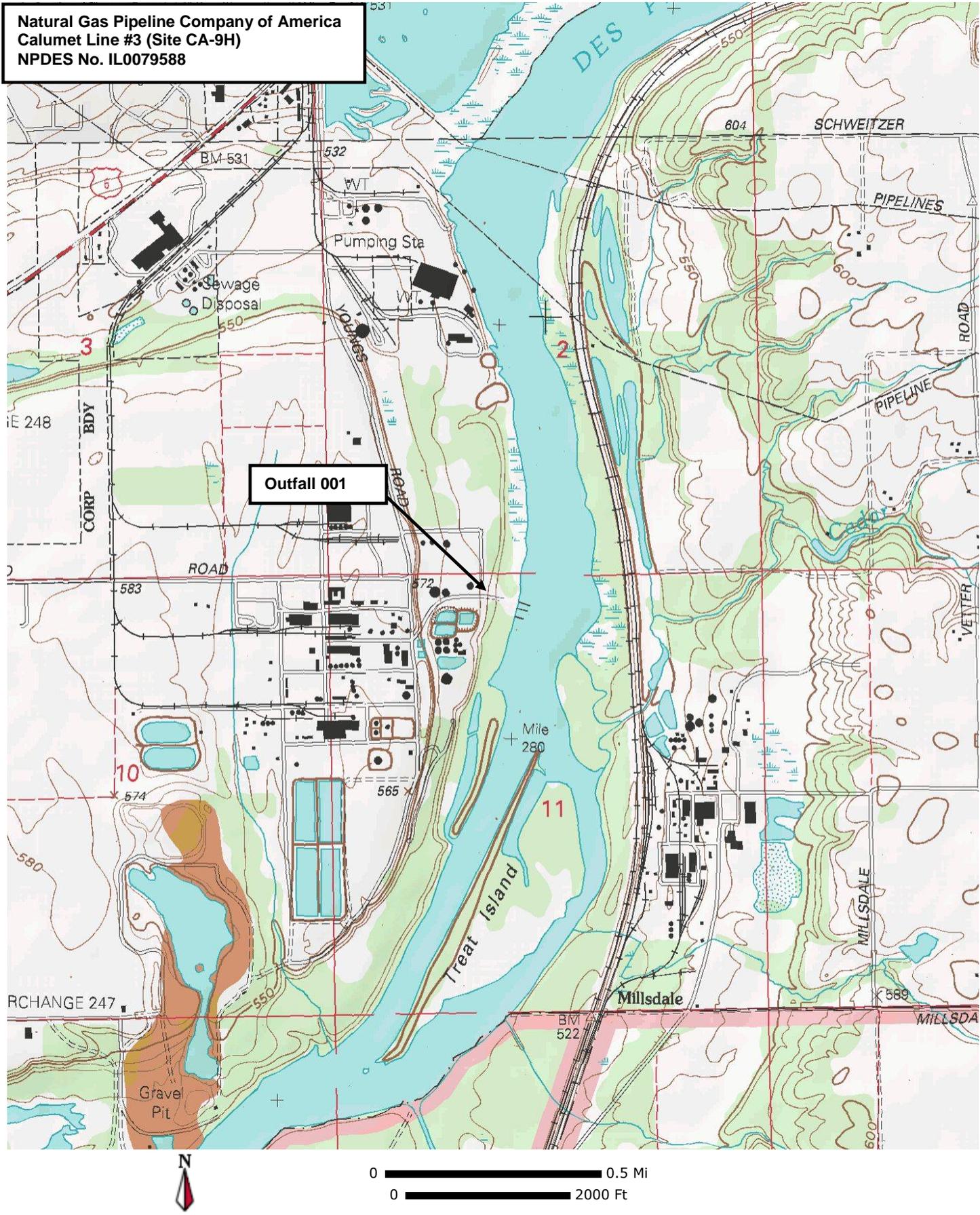
Alternatives to be considered when conducting hydrostatic tests involve the origin and disposal points for the test water. Discharging the hydrostatic test effluent at the point of removal from the river eliminates the concern of translocating non-native species of aquatic life.

#### **Summary Comments of the Illinois Department of Natural Resources, Regional Planning Commissions, Zoning Boards or Other Entities**

The Illinois Department of Natural Resources (INDR) was consulted regarding threatened and endangered species issues via the EcoCAT system. An April 5, 2011 letter was received from IDNR terminating consultation.

#### **Agency Conclusion**

This preliminary assessment was conducted pursuant to the Illinois Pollution Control Board regulation for Antidegradation found at 35 Ill. Adm. Code 302.105 (antidegradation standard) and was based on the information available to the Agency at the time the draft permit was written. We tentatively find that the proposed activity will result in the attainment of water quality standards; that all existing uses of the receiving stream will be maintained; that all technically and economically reasonable measures to avoid or minimize the extent of the proposed increase in pollutant loading have been incorporated into the proposed activity; and that this activity will benefit the community at large by ensuring the safety of a natural gas pipeline. In addition, this discharge constitutes a short-term, temporary lowering of water quality pursuant to 35 IAC 302.105(d)(1). Comments received during the NPDES permit public notice period will be evaluated before a final decision is made by the Agency.



NPDES Permit No. IL0079588

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

New (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

Natural Gas Pipeline Company of America, LLC  
370 Van Gordon Street  
Lakewood, Colorado 80228

Facility Name and Address:

Natural Gas Pipeline Company of America  
Calumet Line #3 (Site CA-9H)  
3 Miles Northeast of Channahon  
(Will County)

Discharge Number and Name:

001 Hydrostatic Test Water

Receiving Waters:

Des Plaines 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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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:

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		
Outfall(s): 001 Hydrostatic Test Water (DAF = 1.25 MGD)						
Flow (MGD)	See Special Condition 1				Continuous	Calculated
pH	See Special Condition 2				Daily When Discharging	Grab
Total Suspended Solids			15	30	Daily When Discharging	Grab
Oil and Grease			15	30	Daily When Discharging	Grab
Iron			2.0	4.0	Daily When Discharging	Grab

Special Condition

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 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 (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 15<sup>th</sup> 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. In addition to other requirements of this permit, 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 7. The permittee shall provide telephone notification to the IEPA Des Plaines Regional Office, (847) 294-4000, at least 24 hours prior to any hydrostatic pipeline testing which may result in a discharge.

SPECIAL CONDITION 8. 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 9. Solid wastes such as straw used for filtering or erosion control shall be disposed of in accordance with state and federal law.

SPECIAL CONDITION 10. The permittee shall only discharge hydrostatic test water to the watersheds from which it was withdrawn.

SPECIAL CONDITION 11. In the event that the permittee shall require the use of water treatment additives, the permittee must request a change in this permit in accordance with the Standard Conditions - Attachment H.

SPECIAL CONDITION 12. In the event the permittee requires a new discharge location, the permittee must complete and submit application forms 1 and 2D for each new location.

SPECIAL CONDITION 13. When test water is discharged to the same waterbody from which it was withdrawn, compliance with the numerical effluent standards is not required when effluent concentrations in excess of the standards result entirely from influent contamination, evaporation, and/or the incidental addition of traces of materials not utilized or produced in the hydrostatic test activity that is the source of the waste.