

NPDES Permit No. IL0076163
Notice No. MEL:11050502.bah

Public Notice Beginning Date: **May 23, 2011**

Public Notice Ending Date: **June 22, 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:
Texas Eastern Transmission, LP
5400 Westheimer Court 5D-65
Houston, Texas 77056

Name and Address of Facility:
Texas Eastern Transmission
LP 24" Line 1
Two miles west of Goreville
(Johnson 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 Mark E. Liska at 217/782-0610.

The applicant is engaged in the hydrostatic testing of a 24-inch natural gas pipeline (SIC 4923). Waste water is generated from the discharge of hydrostatic test water. Plant operation results in an average discharge of 0.14 MGD of hydrostatic test water from outfalls 001 and 002.

Application is made for the new discharge(s) which are located in Johnson County, Illinois. The following information identifies the discharge point, receiving stream and stream classifications:

Outfall	Receiving Stream	Latitude	Longitude	Stream Classification	Integrity Rating
001	Unnamed tributary to Little Saline Creek	37° 33' 02" North	89° 00' 10" West	General Use	Not Rated
002	Unnamed tributary to Little Saline Creek	37° 33' 36" North	89° 59' 12" West	General Use	Not Rated

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

The stream segment AT 4J-01 receiving the discharge from outfall(s) 001 and 002 is (are) on the 2010 303 (d) list of impaired waters, and is (are) a biologically significant stream.

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

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

Outfall: 001 and 002

PARAMETER	LOAD LIMITS lbs/day DAF (DMF)			CONCENTRATION LIMITS mg/L		
	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION	30 DAY AVERAGE	DAILY MAXIMUM	REGULATION
Flow						35 IAC 309.146
pH						35 IAC 302.204
Oil & Grease				15	30	35 IAC 304.124
Total Suspended Solids				15	30	35 IAC 304.124
Iron				2	4	35 IAC 304.124
Total Residual Chlorine					0.05	40 CFR 125.3

The following explain the conditions of the proposed permit:

Special Conditions will require monthly DMR Submission and explain hydrostatic testing limitations and procedures, including notification, debris and water quality impacts, and waste disposal.

Antidegradation Assessment for Texas Eastern Transmission
NPDES Permit No. IL0076163 Johnson County

The subject facility has applied for an NPDES permit for a reactivation of a hydrostatic test water discharge. An existing 5,869 foot reach of 24 inch natural gas pipeline is to be tested. US DOT regulations require the hydrostatic test. Approximately 140,000 gallons of water will be removed from Lake of Egypt and used for the hydrostatic test. The water will be chlorinated to 0.75 mg/L TRC. Upon completion of the test, the water will be released to an unnamed tributary of Little Saline Creek after dechlorination. The water will be discharged at a rate of 100 gpm and will be passed through a carbon filter.

Identification and Characterization of the Affected Water Body.

The unnamed tributary of Little Saline Creek (tributary to segment ATHJ-01) has a 7Q10 flow of zero cfs and is a General Use water. The stream is not listed on the draft 2010 Illinois Integrated Water Quality Report and Section 303(d) List. Little Saline Creek is listed as fully supporting aquatic life uses. The unnamed tributary 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 unnamed tributary 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.

The USGS Illinois Streamstats basin characteristics program gives a watershed size of 0.09 square miles for one potential outfall to the

unnamed tributary of Little Saline Creek. The other potential discharge point is to a swale with virtually no watershed. According to the Illinois State Water Survey, the unnamed tributaries of Little Saline Creek in the area of the proposed mine discharges are likely to be 7Q1.1 zero flow streams. In this region of Illinois, 7Q1.1 zero flow streams are streams with a watershed area of 5 square miles or less. These streams will exhibit no flow for at least a continuous seven day period nine out of ten years. Aquatic life communities in these headwater streams are tolerant of the effects of drying. Depending on the rainfall received before biological surveys, either a very limited aquatic life community, or no community at all would be found. Given this flow regime, no additional biological characterization is required.

Identification of Proposed Pollutant Load Increases or Potential Impacts on Uses.

The water discharged will be a natural surface water from the area. Chlorine will be used to ensure that species of aquatic life will not be transferred to a basin where they are non-native. The chlorine will be removed before discharge such that only non-measurable traces, if any, will be present in the discharge. Trace hydrocarbons from the pipeline, if present, will be removed by carbon filtration. 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, no unnatural substances will be present in the discharged water. Chlorine will be removed and any trace hydrocarbons that may be imparted from the pipeline will be removed by carbon filtration.

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.

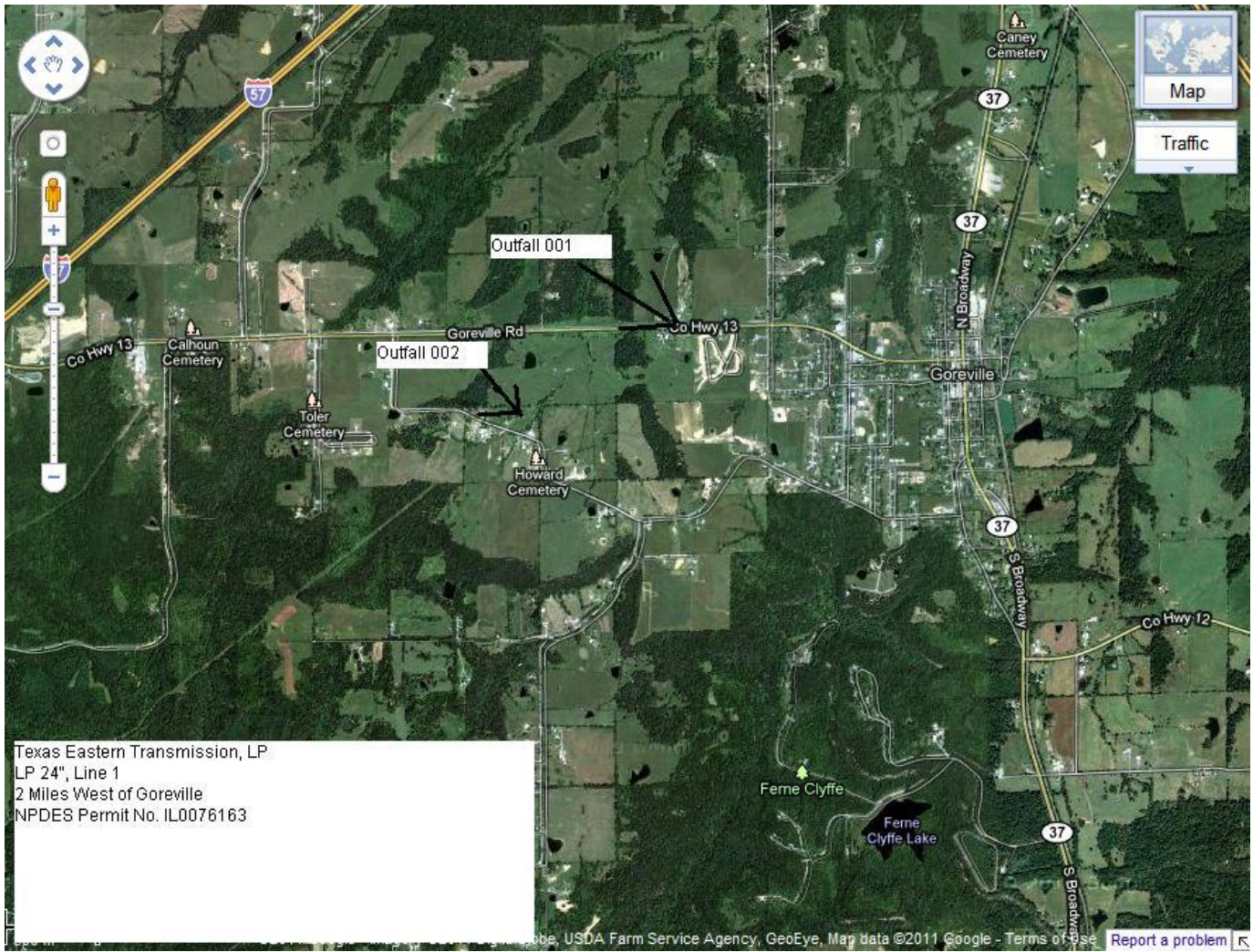
Alternatives to be considered when conducting hydrostatic tests involve the origin and disposal points for the test water. The pipeline company was informed that when cross basin transfers of water occur, any potential aquatic life in the water must be destroyed to ensure that non-native species will not be transferred to a new water body. The company devised a plan (chlorination) to address this issue.

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

The Illinois Department of Natural Resources was consulted regarding threatened and endangered species issues via the EcoCAT system on April 4, 2011. It was immediately determined that no threatened or endangered species reside in the receiving stream and consultation was terminated.

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.



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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

New (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

Texas Eastern Transmission, LP
5400 Westheimer Court 5D-65
Houston, Texas 77056

Facility Name and Address:

Texas Eastern Transmission
LP 24" Line 1
Two miles West of Goreville
(Johnson County)

Discharge Number and Name:

001 – Hydrostatic Test Water

002 – Hydrostatic Test Water

Receiving Waters:

Unnamed Tributary to Saline Creek

Unnamed Tributary to Saline 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

SAK: MEL:11050502.bah

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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 and 002 – Hydrostatic Discharge (Discharge = 0.14 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	See Special Condition 7				Daily When Discharging	Single Reading
pH	See Special Condition 1				Daily When Discharging	Grab
Oil and Grease			15	30	Daily When Discharging	Grab
Total Suspended Solids			15	30	Daily When Discharging	Grab
Iron			2	4	Daily When Discharging	Grab
Total Residual Chlorine*				0.05	Daily When Discharging	Grab

*See Special Condition 6.

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Special Conditions

SPECIAL CONDITION 1. 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 2. For the purpose of this permit, this discharge is limited to hydrostatic test water, free from process and other wastewater discharges.

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

SPECIAL CONDITION 8. The permittee shall provide telephone notification to the IEPA Marion Regional Office at least 24 hours prior to any hydrostatic pipeline testing which may result in a discharge (See Attachment A).

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. Solids such as straw used for filtering or erosion control shall be disposed of in accordance with state and federal law.