

NPDES Permit No. IL0060585
Notice No. JAR:13052501.jar

Public Notice Beginning Date: **July 18, 2013**

Public Notice Ending Date: **August 19, 2013**

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:

Marathon Pipe Line LLC
539 South Main Street
Findlay, OH 45840

Name and Address of Facility:

Hydrostatic Testing Discharges
Located in Kankakee, Iroquois, Champaign
Macon, Montgomery, Madison, Marion
and Effingham Counties

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 operates several crude oil and refined product pipeline systems (SIC 4612 and 4613) throughout the state of Illinois, totaling approximately 1,248 miles of active pipeline. Discharge points for hydrostatic test waters from the pipelines or associated breakout tanks are located at multiple above ground facilities in Illinois, as referenced within the application. Wastewater is generated from hydrostatic testing of pipes and appurtenances which results in an average discharge of 0.01 MGD of hydrostatic test water from outfalls 001 - 017.

The following modification is proposed:

A new discharge of hydrostatic test water is proposed from outfall 009.

Application is made for the existing discharges which are located in Bureau, Grundy, LaSalle, Whiteside and Will Counties, 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 to Deer Creek	41° 03' 02"	North	87° 44' 50"	West	General Use	Not Rated
002	Unnamed tributary to Iroquois River	40° 51' 42"	North	87° 52' 00"	West	General Use	Not Rated
003	Unnamed tributary to Spring Creek	40° 34' 27"	North	88° 04' 37"	West	General Use	Not Rated
004	Unnamed tributary to Kaskaskia Ditch	40° 06' 38"	North	88° 19' 10"	West	General Use	Not Rated
005	Unnamed tributary to Long Grove Creek	39° 39' 13"	North	88° 56' 06"	West	General Use	Not Rated
006	Unnamed tributary to Cress Creek	39° 13' 20"	North	89° 29' 37"	West	General Use	Not Rated
007	Unnamed tributary to Mississippi River	38° 50' 57"	North	90° 05' 12"	West	General Use	Not Rated
008	Unnamed tributary to Mississippi River	38° 49' 41"	North	90° 05' 05"	West	General Use	Not Rated
009	Unnamed tributary of Coon Creek	39° 04' 18"	North	88° 45' 10"	West	General Use	Not Rated
010	Unnamed tributary to North Fork Kaskaskia River	38° 47' 35"	North	89° 05' 06"	West	General Use	Not Rated
011	Unnamed tributary to Little Salt Creek	39° 03' 36"	North	88° 29' 45"	West	General Use	Not Rated
012	Unnamed tributary to Dietrich Creek	39° 02' 16"	North	88° 24' 55"	West	General Use	Not Rated
013	Unnamed tributary to North Fork Embarras River	39° 19' 34"	North	87° 53' 55"	West	General Use	Not Rated
014	Bennett Creek	38° 59' 41"	North	87° 49' 49"	West	General Use	Not Rated
015	Unnamed tributary to Willow Creek	39° 14' 44"	North	87° 51' 17"	West	General Use	Not Rated
016	Unnamed tributary to Polecat Creek	39° 31' 20"	North	88° 04' 19"	West	General Use	Not Rated
017	Unnamed tributary to Wabash River	38° 36' 03"	North	87° 39' 32"	West	General Use	Not Rated

The stream segments receiving the discharge from outfall(s) 001 - 017 are not on the draft 2012 Illinois Integrated Water Quality Report and Section 303(d) List as they have not been assessed. The receiving waters have 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*.

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

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

Outfalls: 001 - 017 Hydrostatic Test Water (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

Total Suspended Solids				15	30	35 IAC 304.124
Oil and Grease				15	30	35 IAC 304.124
Iron				2	4	35 IAC 304.124
Total Residual Chlorine					0.05	35 IAC 302.208
Benzene					0.05	40 CFR 125.3
Ethylbenzene				0.014	0.150	35 IAC 302.208
Toluene				0.6	2.0	35 IAC 302.208
Xylene				0.26	0.92	35 IAC 302.208
Total BETX					0.75	40 CFR 125.3
Total PNAs					0.1	40 CFR 125.3

The following explain the conditions of the proposed permit:

The special conditions clarify flow, pH, TRC, BETX, PNAs, monitoring location, DMRs, re-opener, and FOS notification.

Antidegradation Assessment for Marathon Pipeline LLC, Altamont Pumping Station
NPDES Permit No. IL0060585 Effingham County

The subject facility has applied to modify their existing NPDES permit to include a new outfall, Outfall 009, for hydrostatic test water discharges of an existing pipeline used for crude and refined petroleum distribution. Outfall 009 would be used at a maximum of once every five years and would discharge a maximum of 0.3 MGD of surface water withdrawn from a fire water pond in Patoka. The proposed outfall would be located just north of Altamont and would be received by an unnamed tributary of Coon Creek.

Identification and Characterization of the Affected Water Body.

The unnamed tributary of Coon Creek is a General Use water with 0 cfs of flow existing upstream of the outfall during critical 7Q10 low-flow conditions. The unnamed tributary of Coon Creek 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 Coon Creek is not listed on the draft 2012 Illinois Integrated Water Quality Report and Section 303(d) List since it has not been assessed. The unnamed tributary of Coon Creek is not subject to enhanced dissolved oxygen standards.

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

Parameters that would increase in loading are associated with the residual materials in the pipeline. Total suspended solids, oil and grease, benzene, toluene, ethylbenzene and xylene residues may be present within the pipeline, but are anticipated to be minimal. No adverse impact to the receiving water is anticipated from the hydrostatic testing.

Fate and Effect of Parameters Proposed for Increased Loading.

Total suspended solids would be regulated by effluent standards and would become part of the bed sediment of the receiving water. Oil and grease would also be regulated with the effluent standard and therefore no visible remnant may be discharged. Benzene, total BETX and TRC would be regulated using best available technology limits, and ethylbenzene, toluene and xylene would be regulated using water quality standards. No adverse effects are anticipated in the receiving water providing permit limits are met.

Purpose and Social & Economic Benefits of the Proposed Activity.

It is vitally important that petroleum pipelines be hydrostatically tested to ensure the safety of the nearby communities. Regulations require this testing.

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

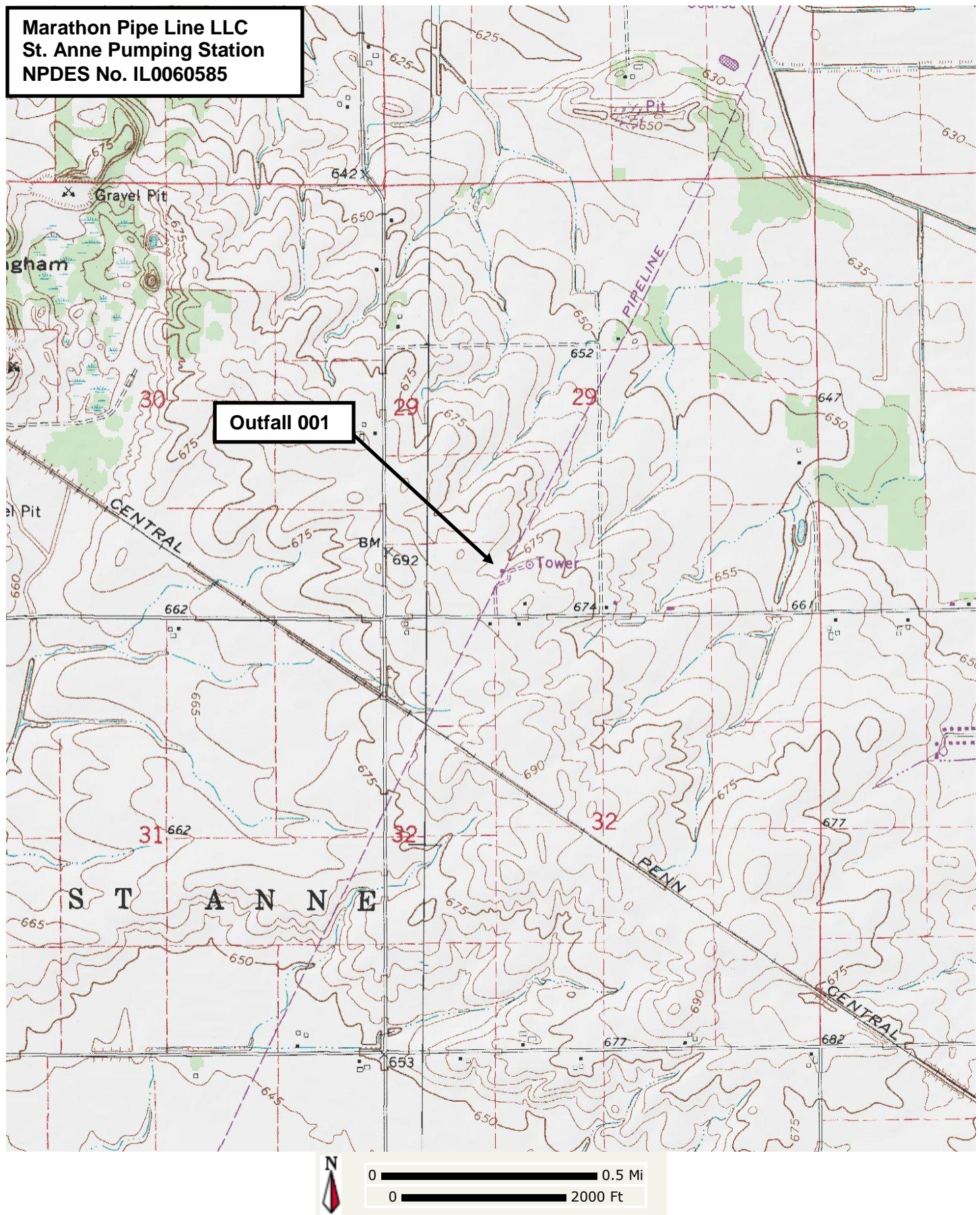
The pipeline owner has chosen responsible methods of hydrostatic testing. Erosion control measures would be applied at the point of discharge. This consists of straw bales placed in such a way as to disperse energy and filter particles. The hydrostatic test methods chosen are the accepted norm for these projects. Hydrostatic testing is a very short-term activity and typically only lasts one to five days. Arranging for effluents to be land applied, sent to a POTW or other alternatives are not practical for this type of discharge. Discharging the effluents to local surface waters in a responsible manner has been developed as the proper method of dealing with the water needed for the testing.

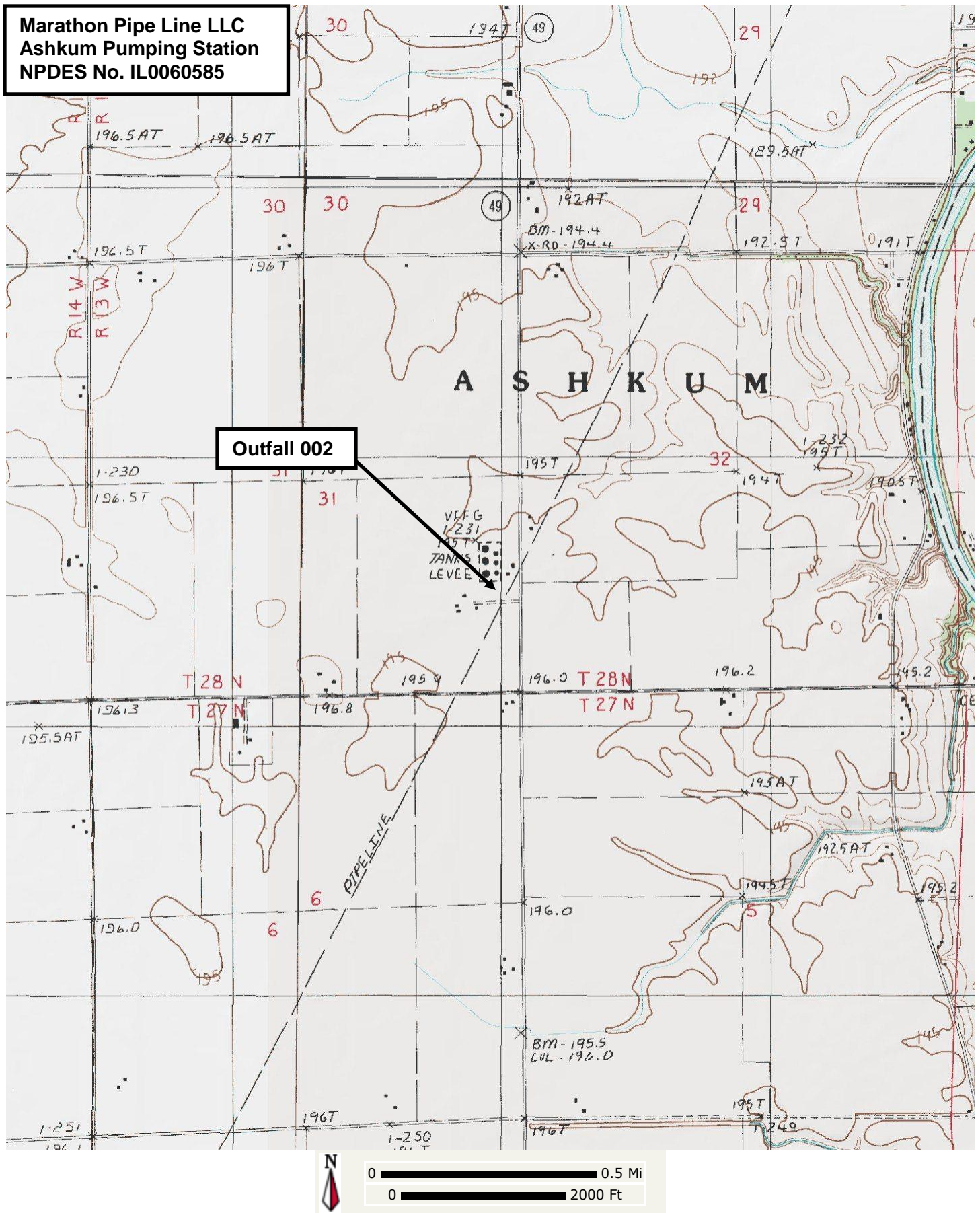
Summary Comments of the Illinois Department of Natural Resources, Regional Planning Commissions, Zoning Boards or Other Entities.

The IDNR EcoCAT system was consulted on June 6, 2013. It was immediately determined that no State-listed threatened or endangered species, Illinois Natural Area Inventory sites, dedicated Illinois Nature Preserves, or registered Land and Water Reserves are in the vicinity of the project location. Consultation was immediately terminated.

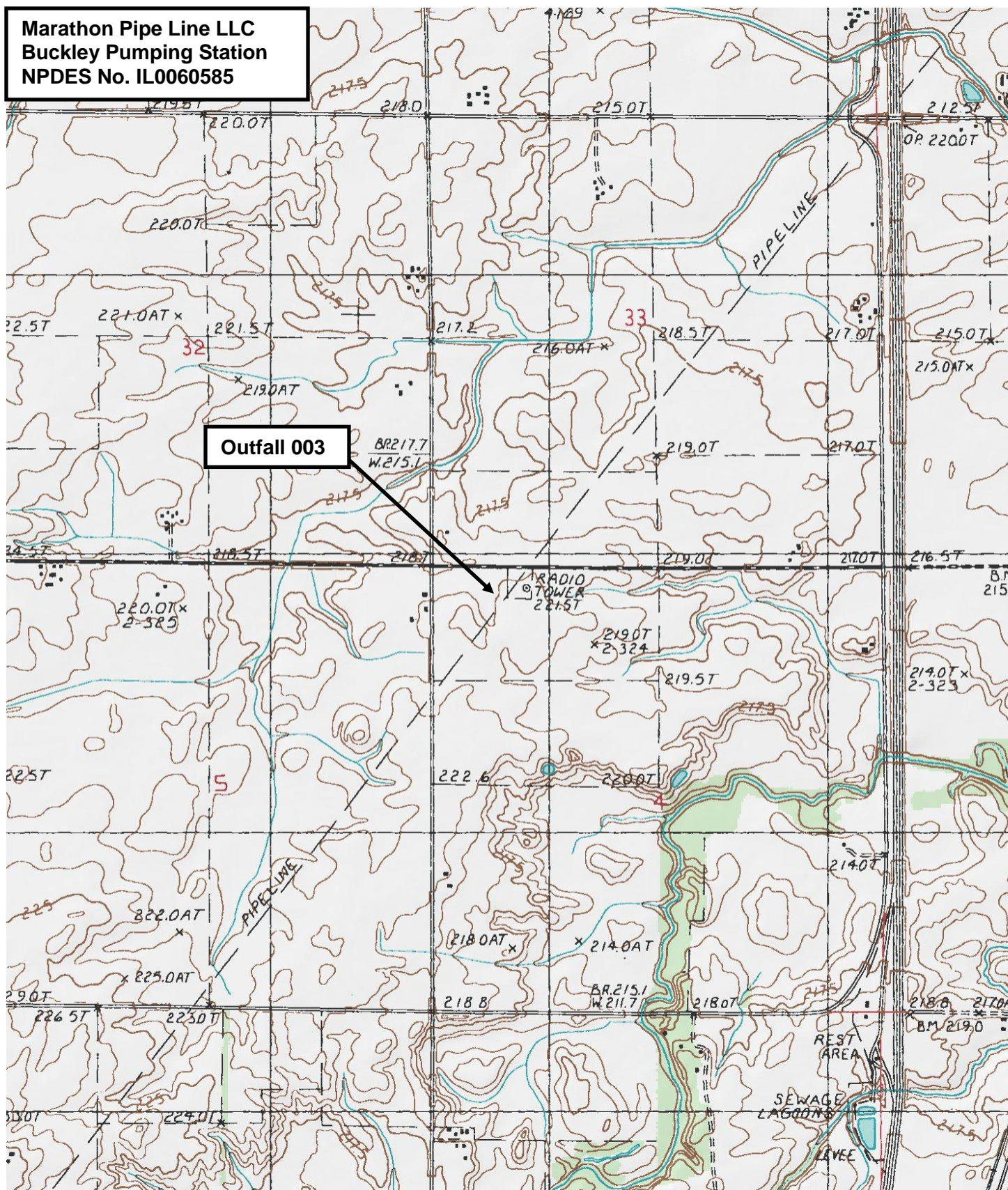
Agency Conclusion.

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 would result in the attainment of water quality standards; that all existing uses of the receiving stream would 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 would benefit the communities at large by ensuring the safety of the pipeline. Comments received during the NPDES permit public notice period would be evaluated before a final decision is made by the Agency.



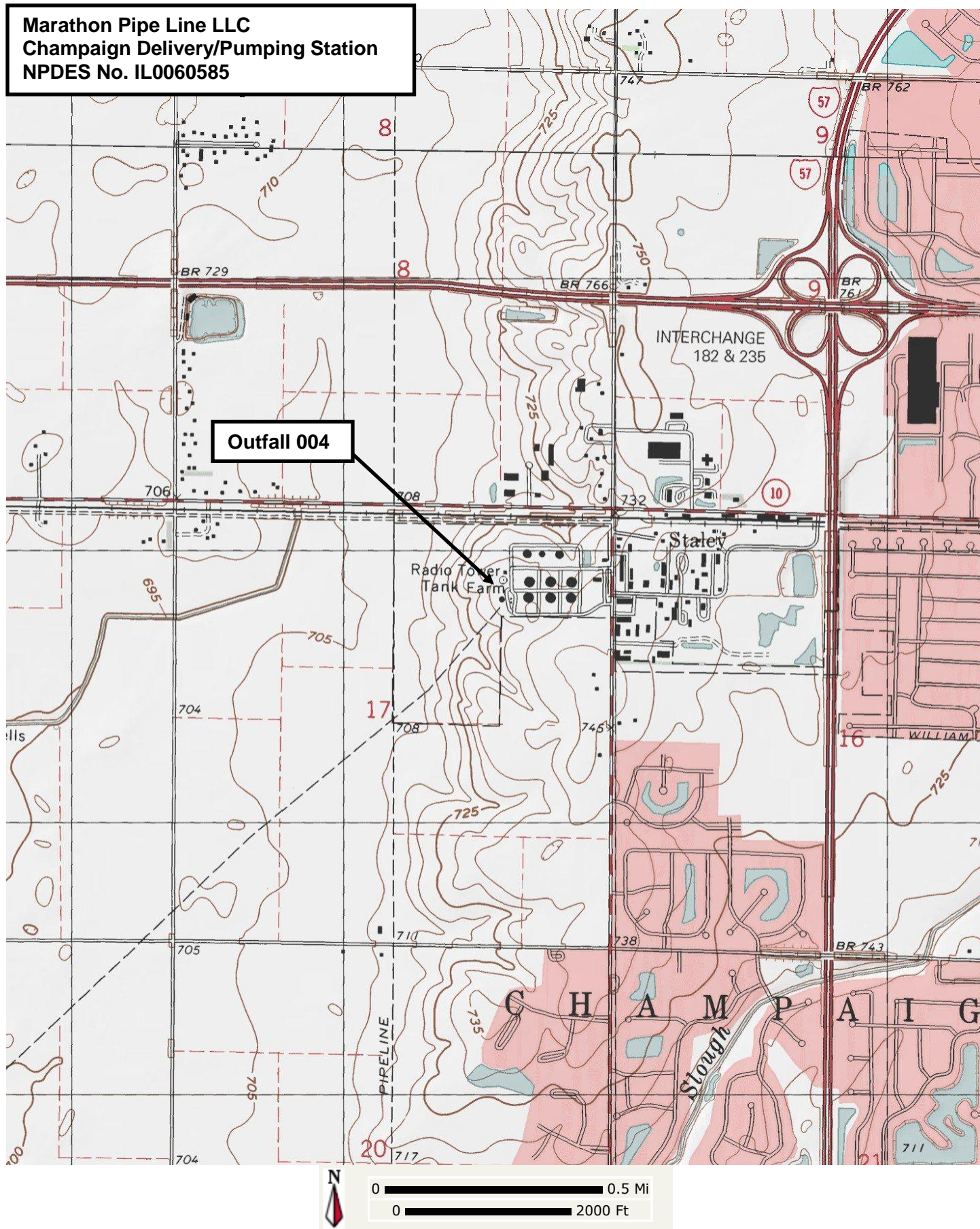


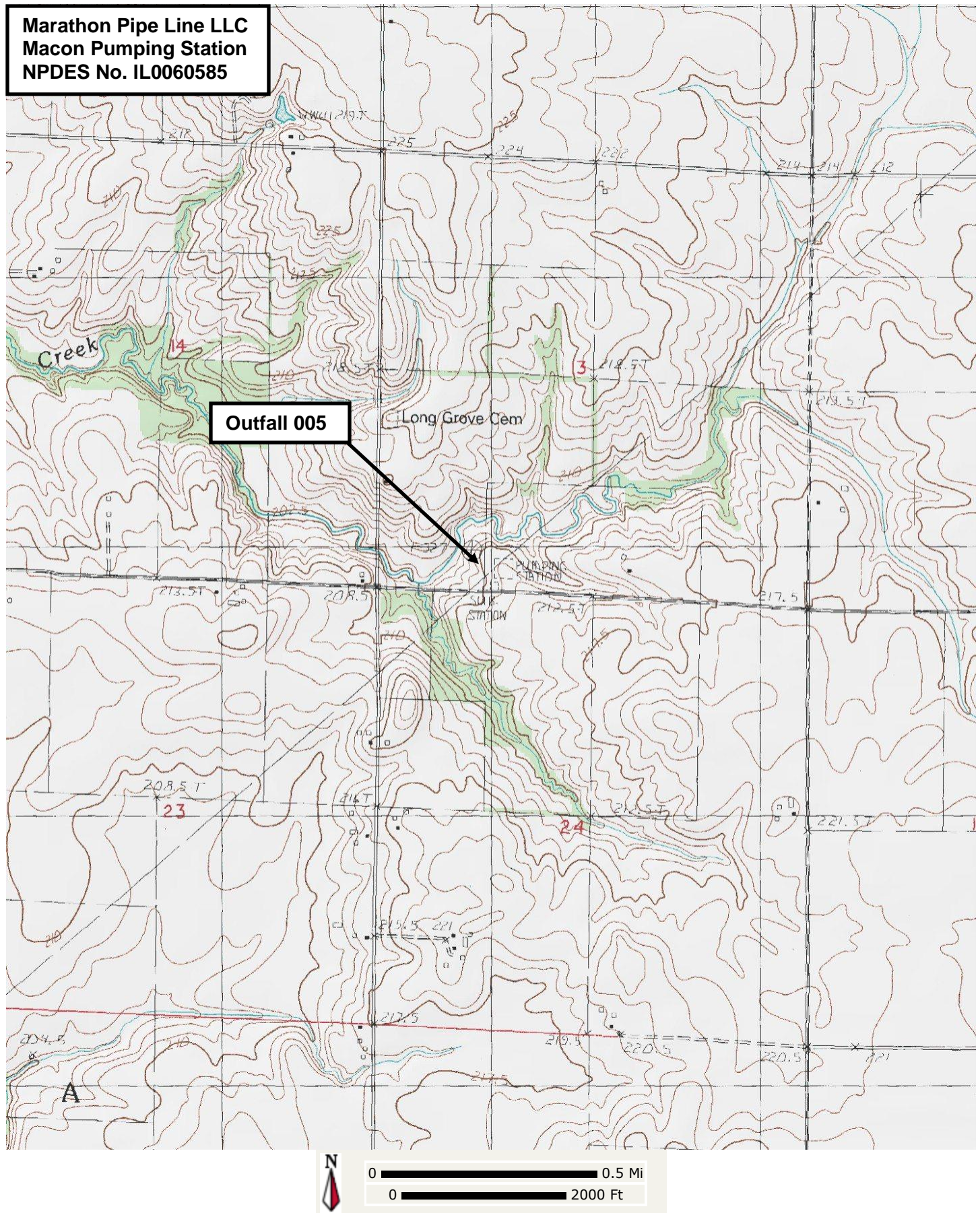
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Buckley Pumping Station
NPDES No. IL0060585**



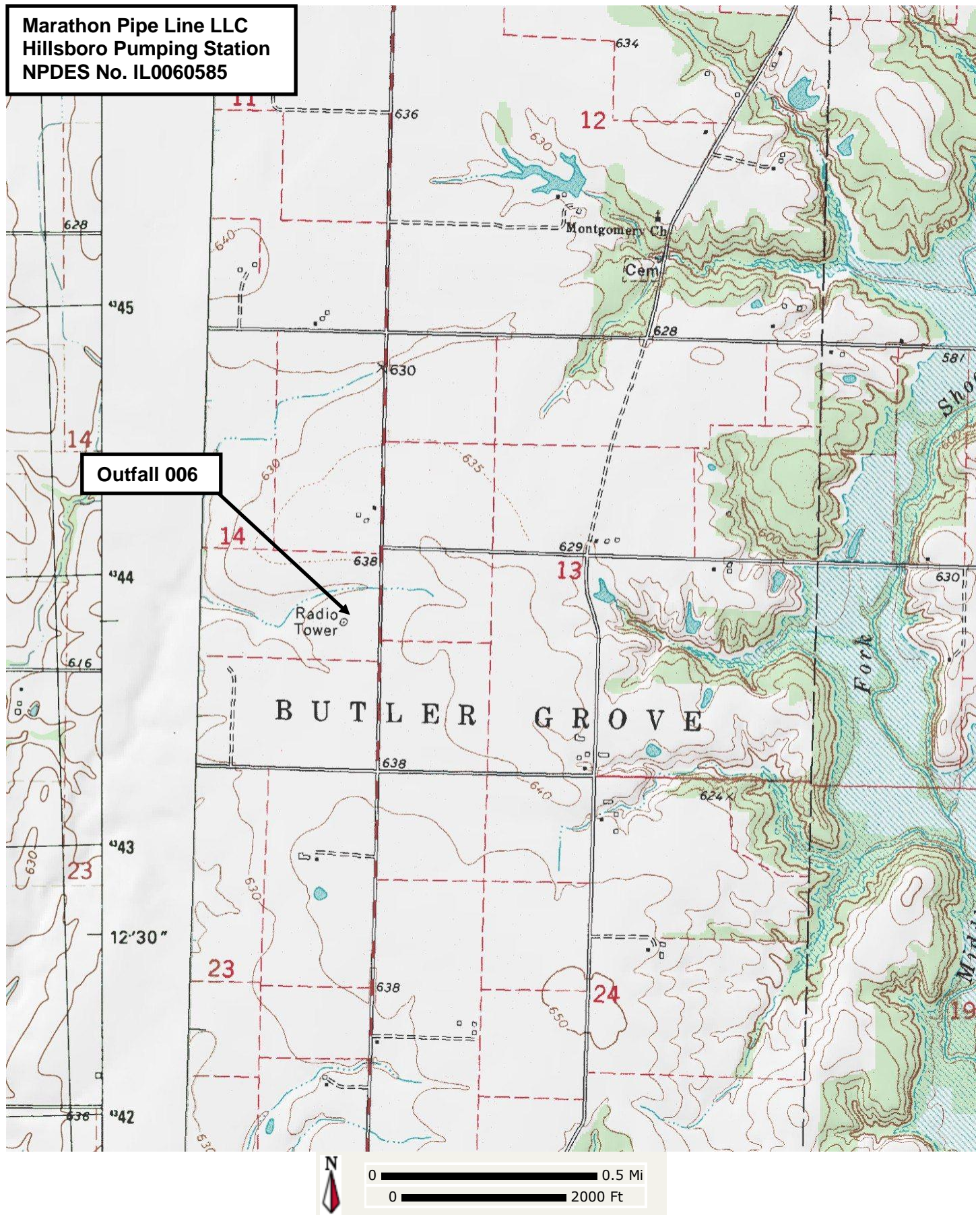
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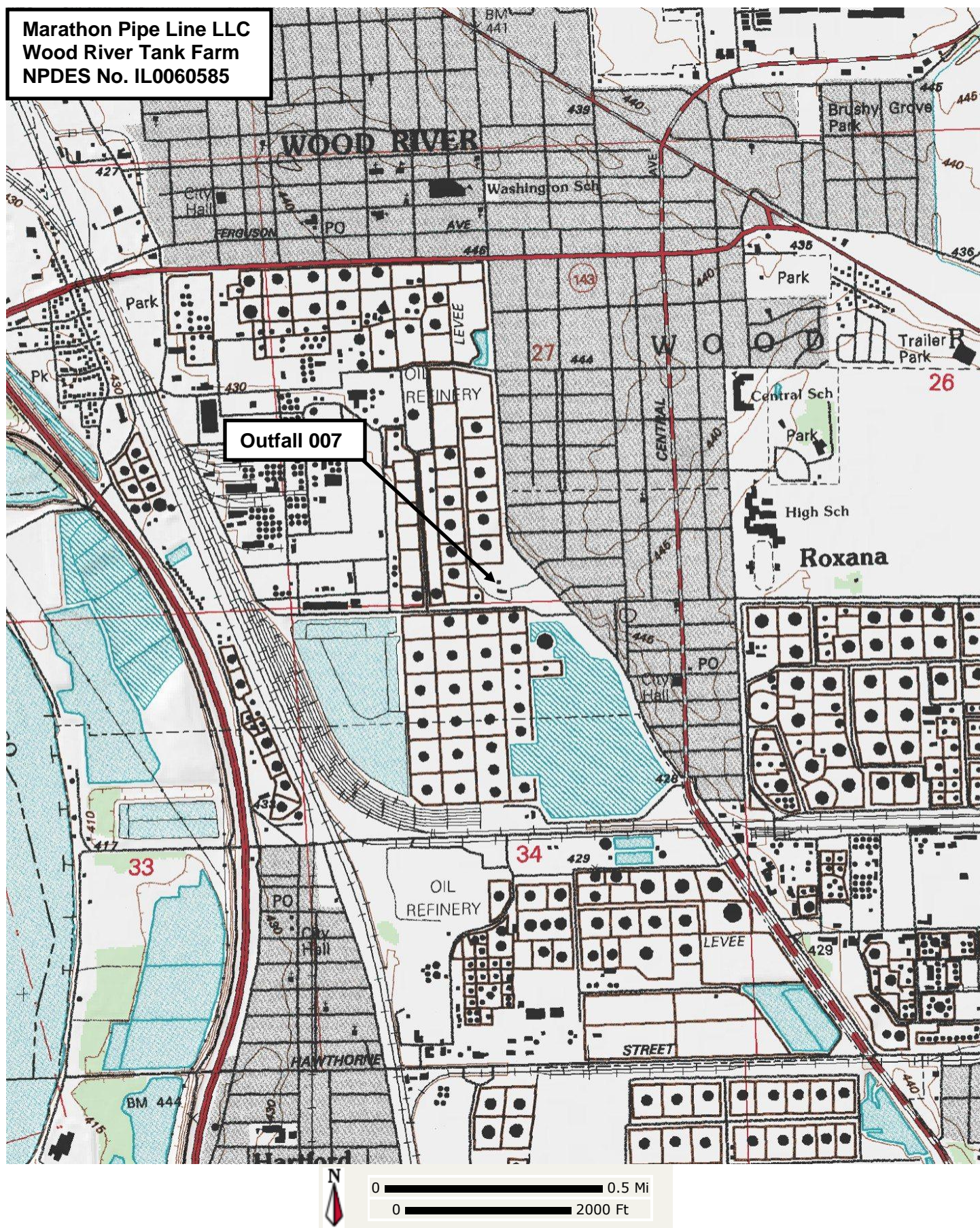
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Champaign Delivery/Pumping Station
NPDES No. IL0060585**



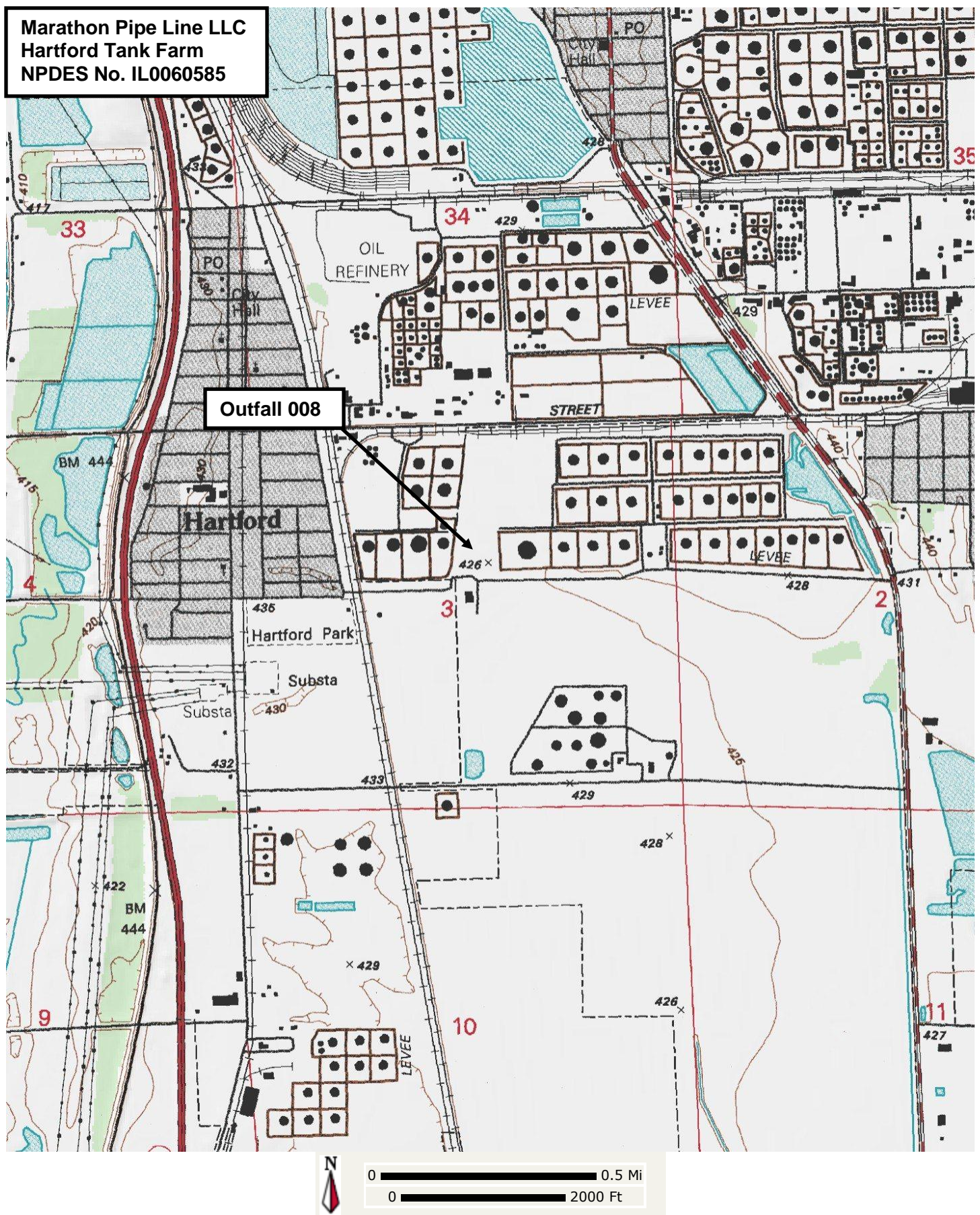


**Marathon Pipe Line LLC
Hillsboro Pumping Station
NPDES No. IL0060585**

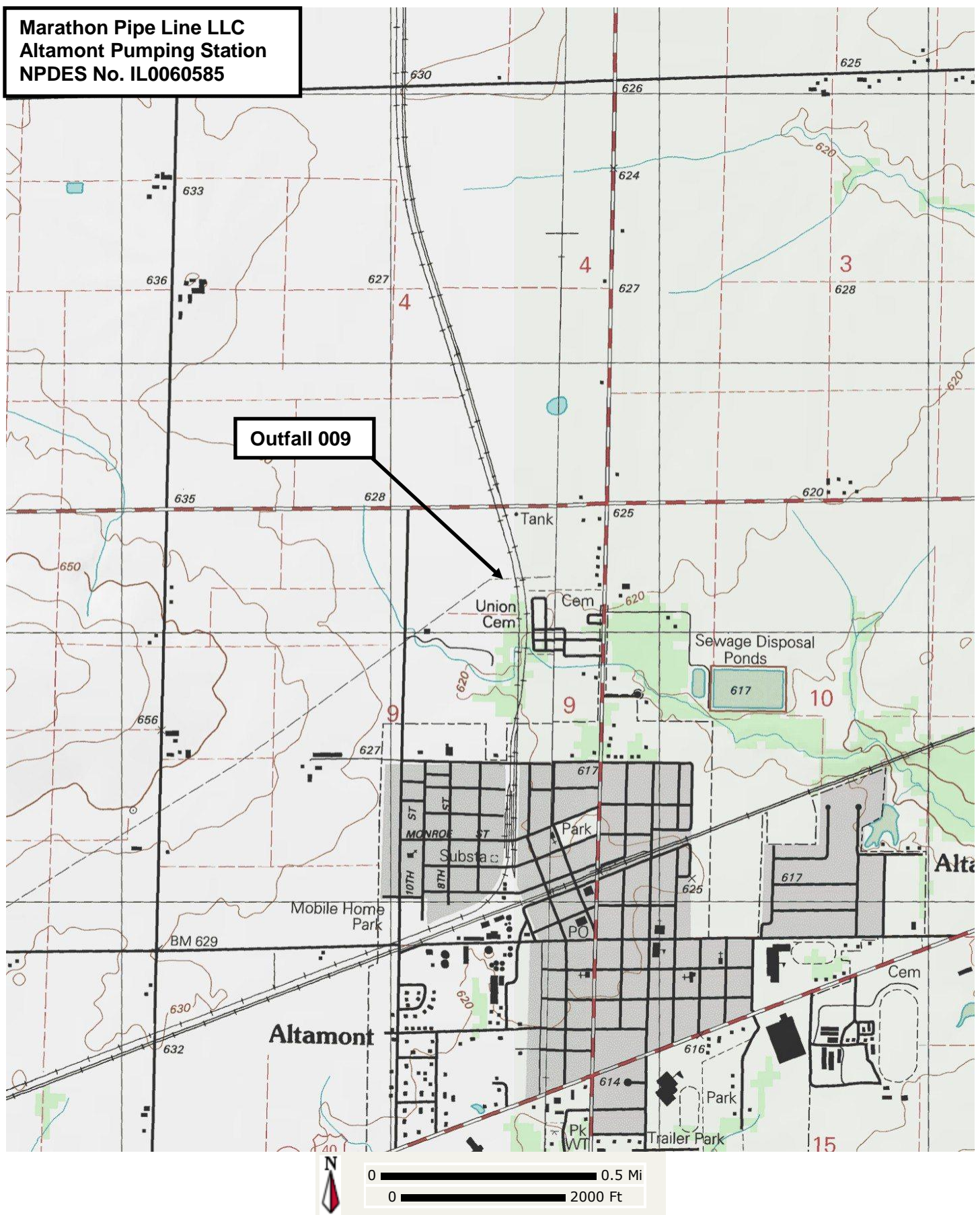




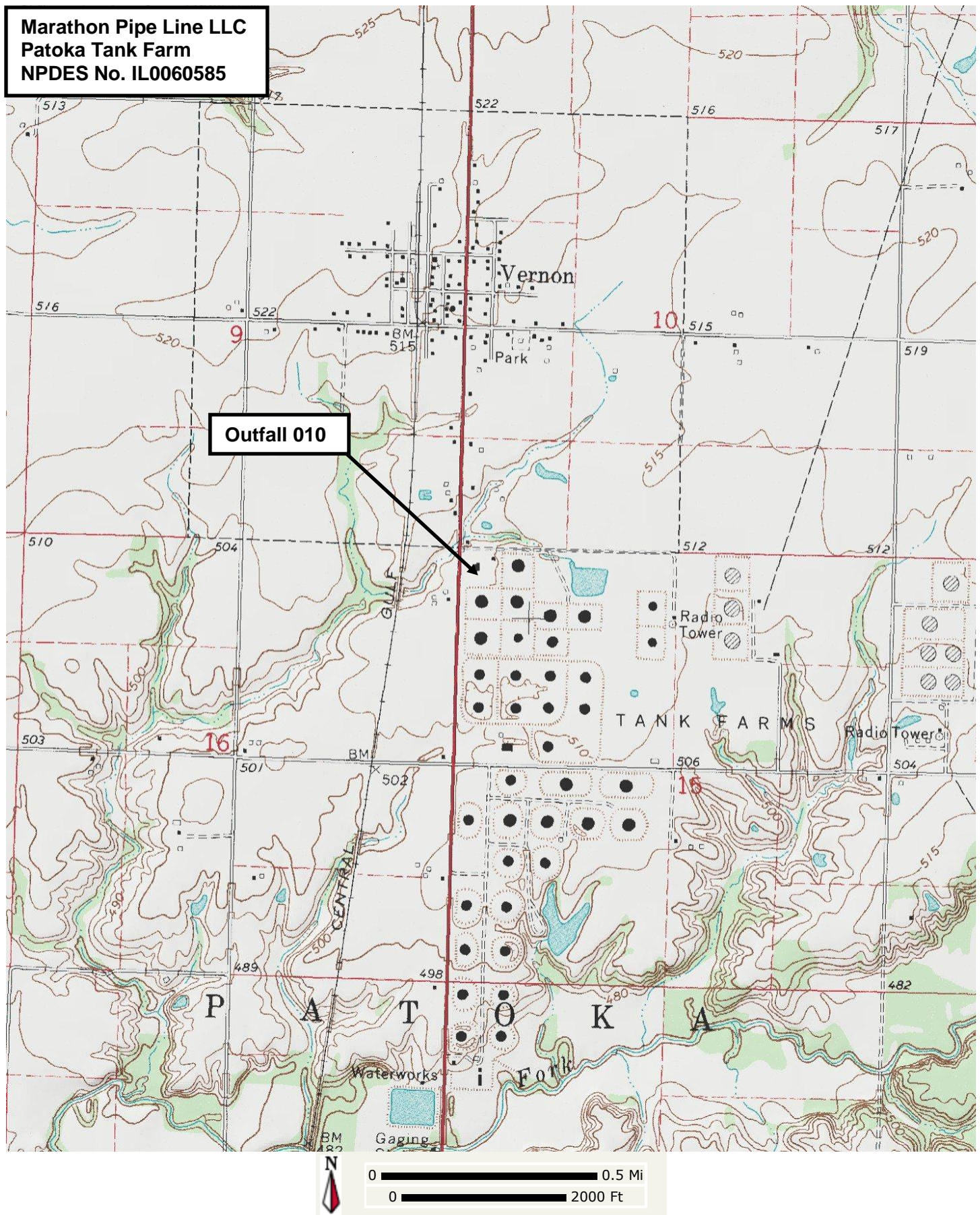
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Hartford Tank Farm
NPDES No. IL0060585**

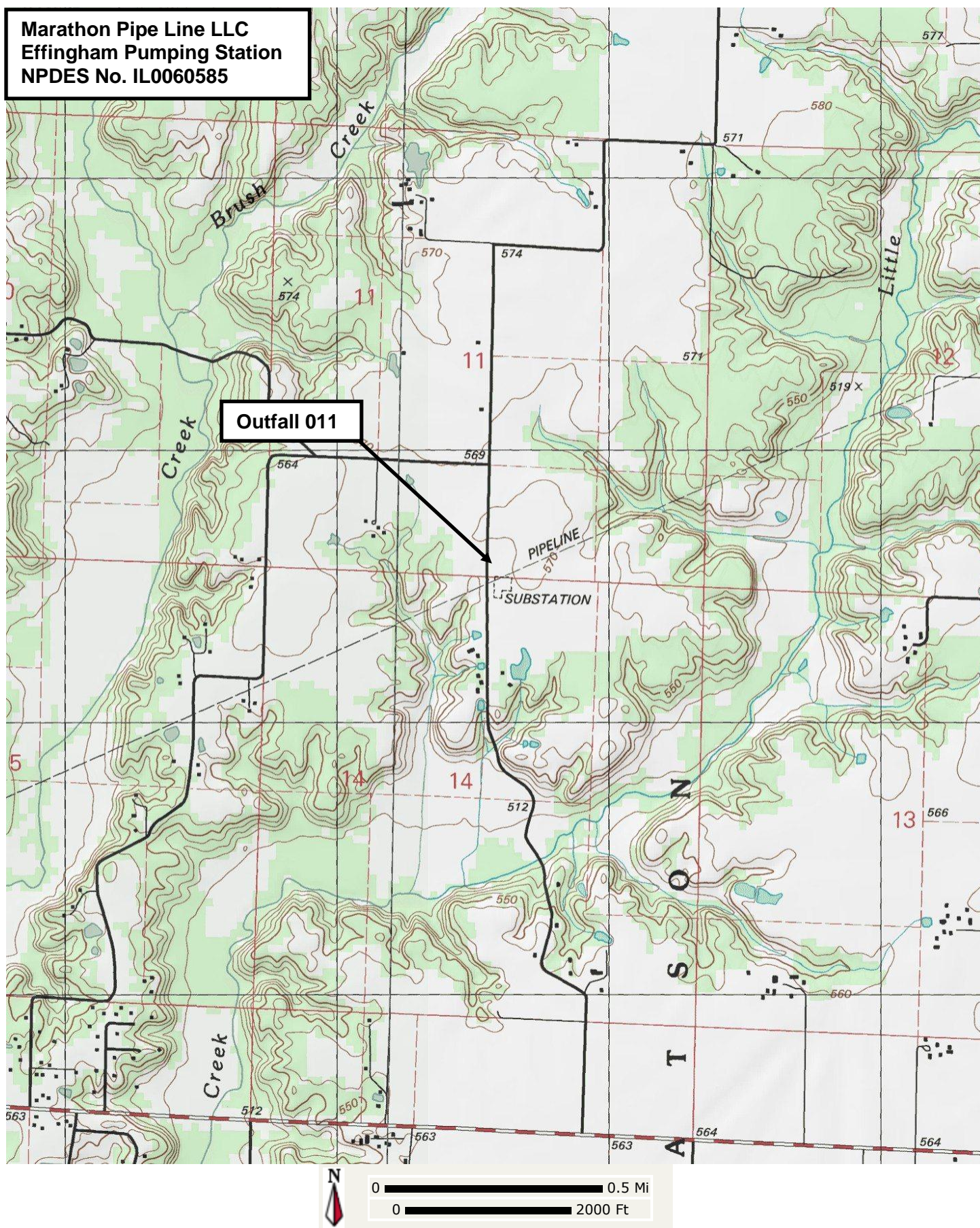


**Marathon Pipe Line LLC
Altamont Pumping Station
NPDES No. IL0060585**

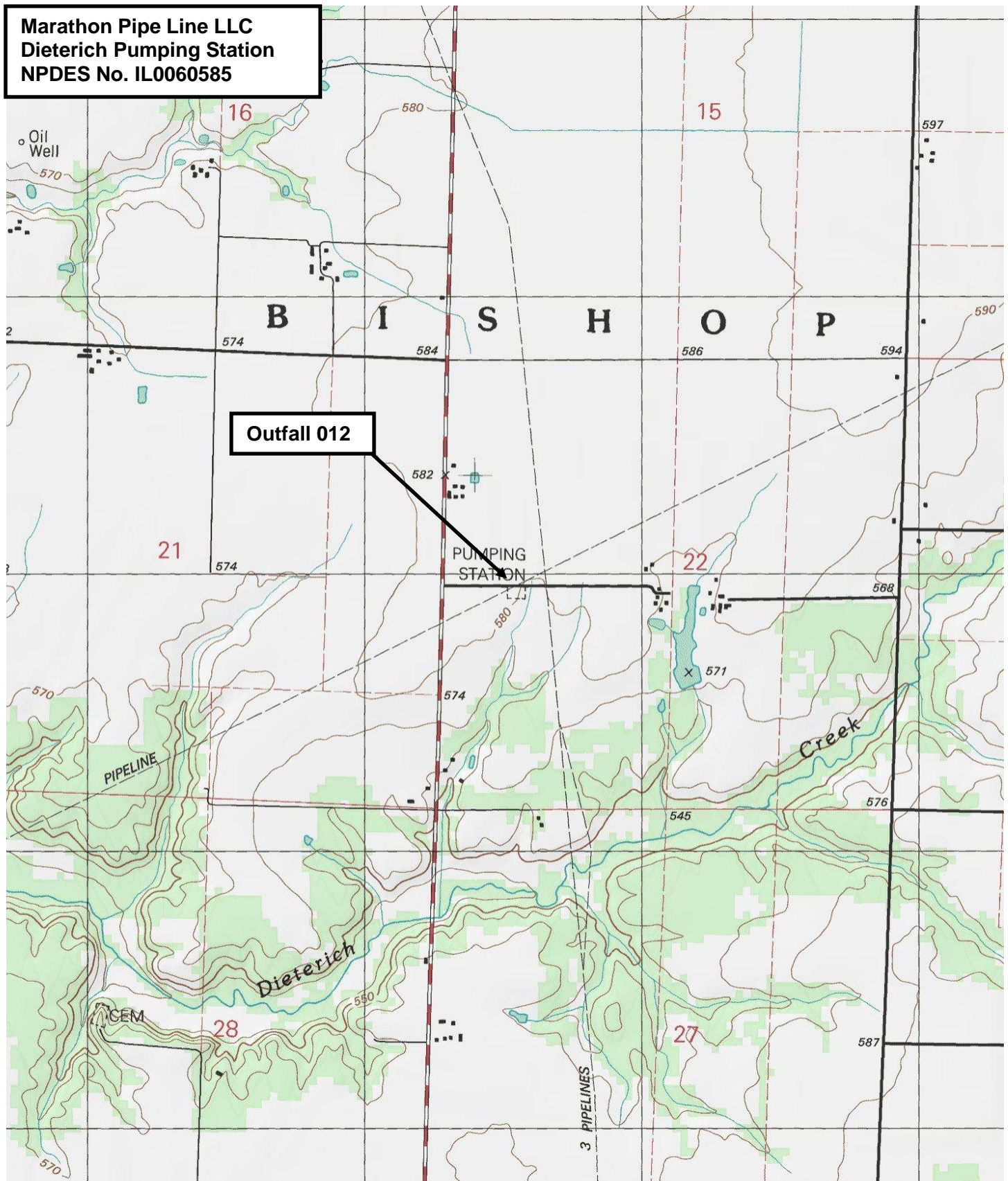


**Marathon Pipe Line LLC
Patoka Tank Farm
NPDES No. IL0060585**



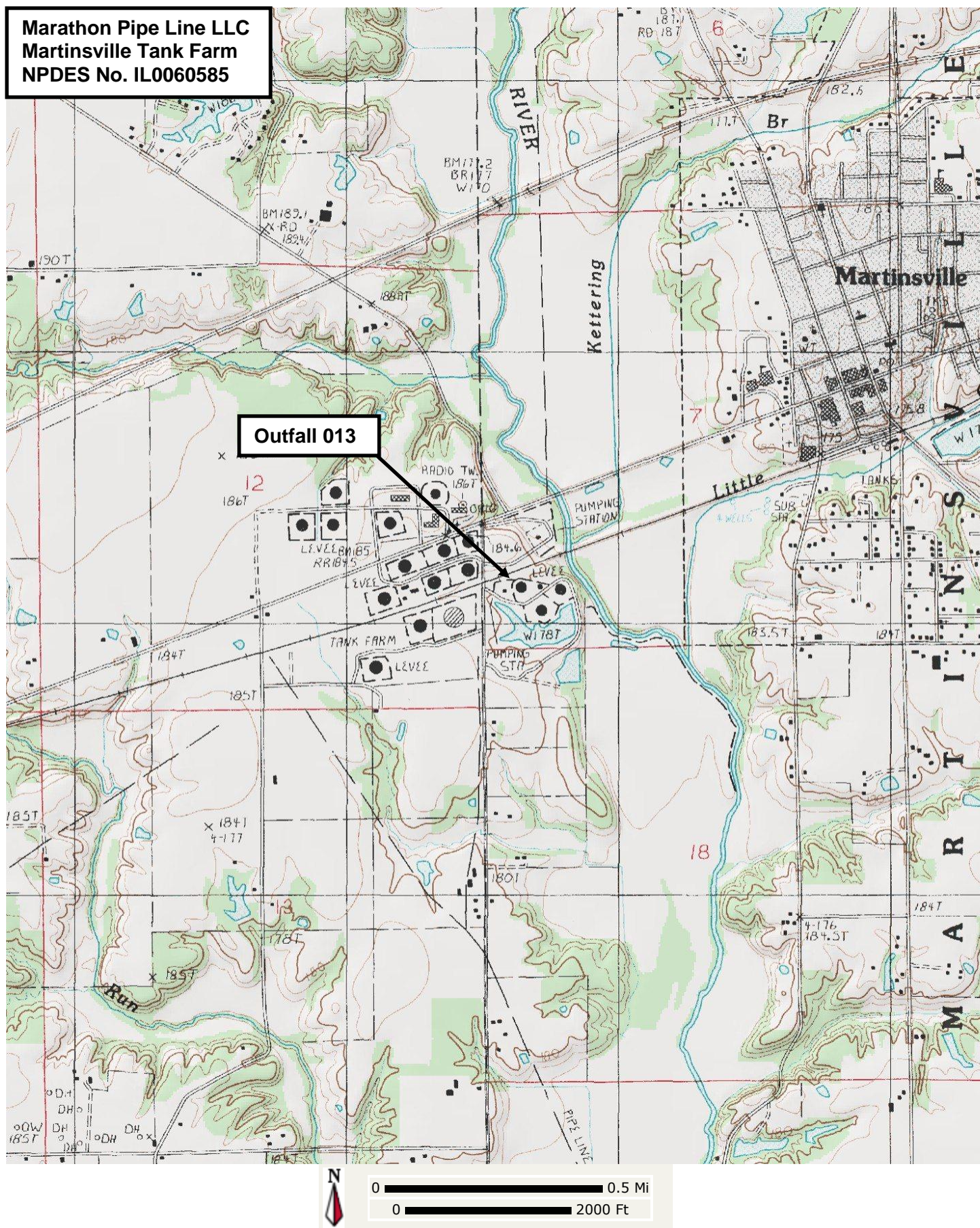


**Marathon Pipe Line LLC
Dieterich Pumping Station
NPDES No. IL0060585**

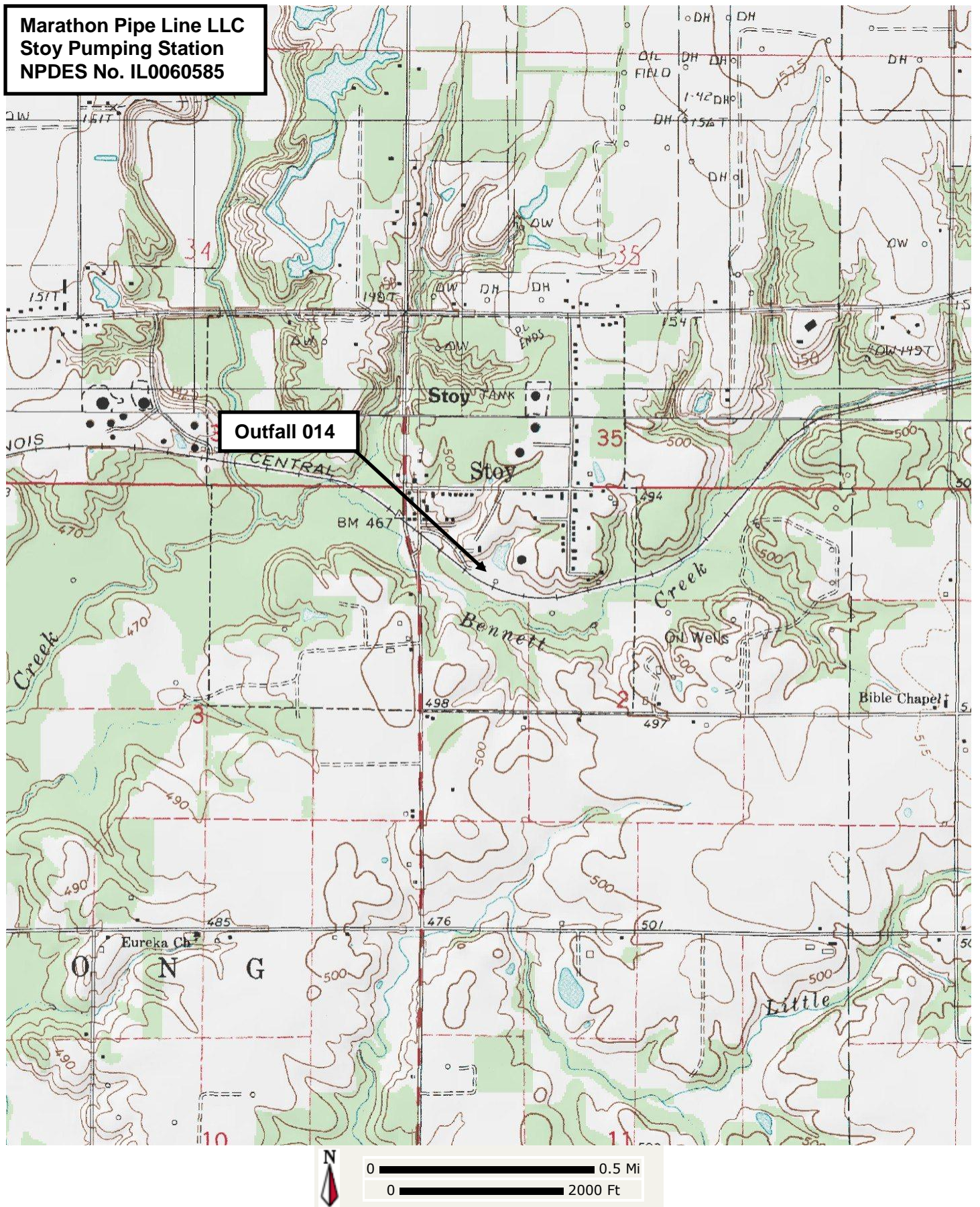


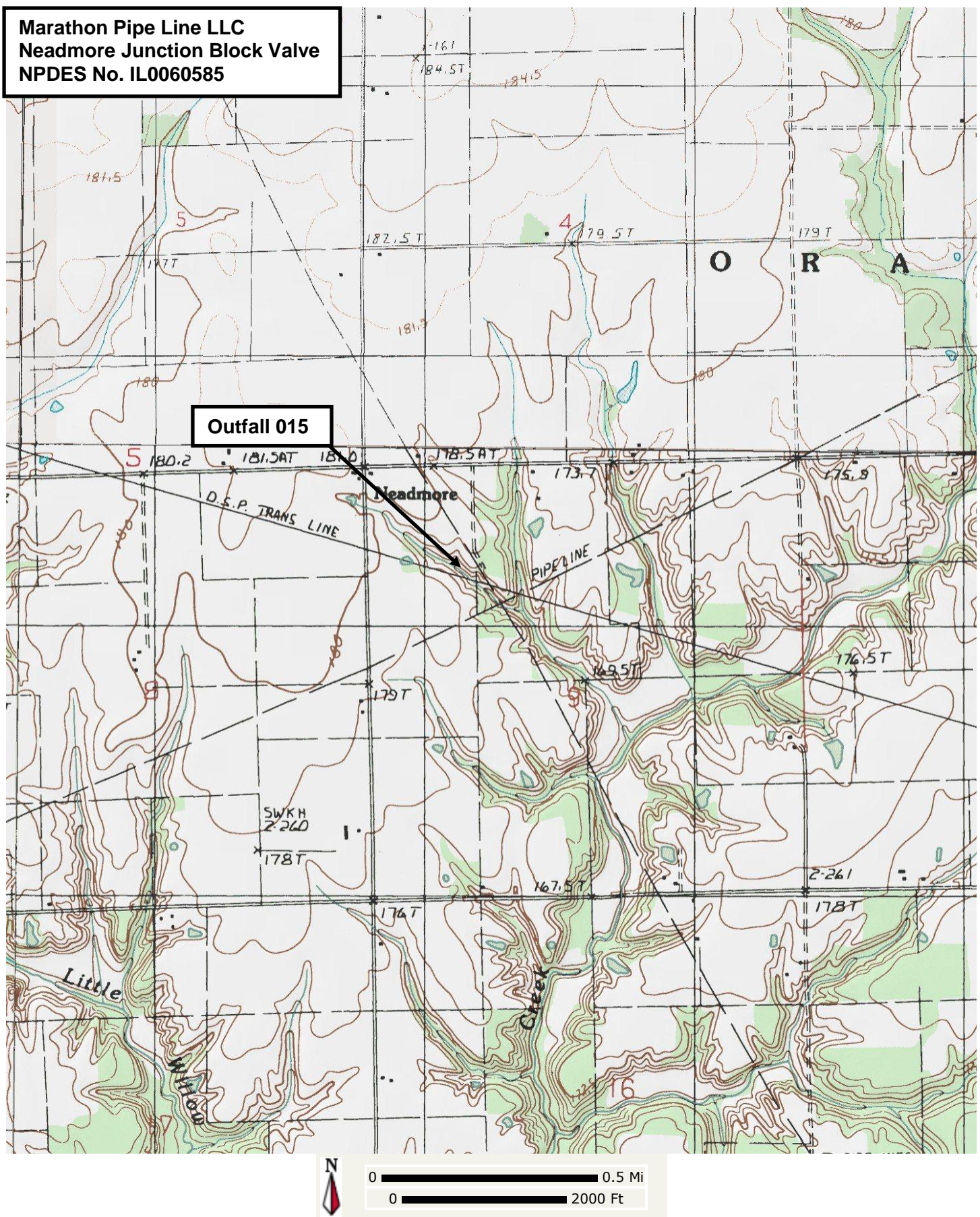
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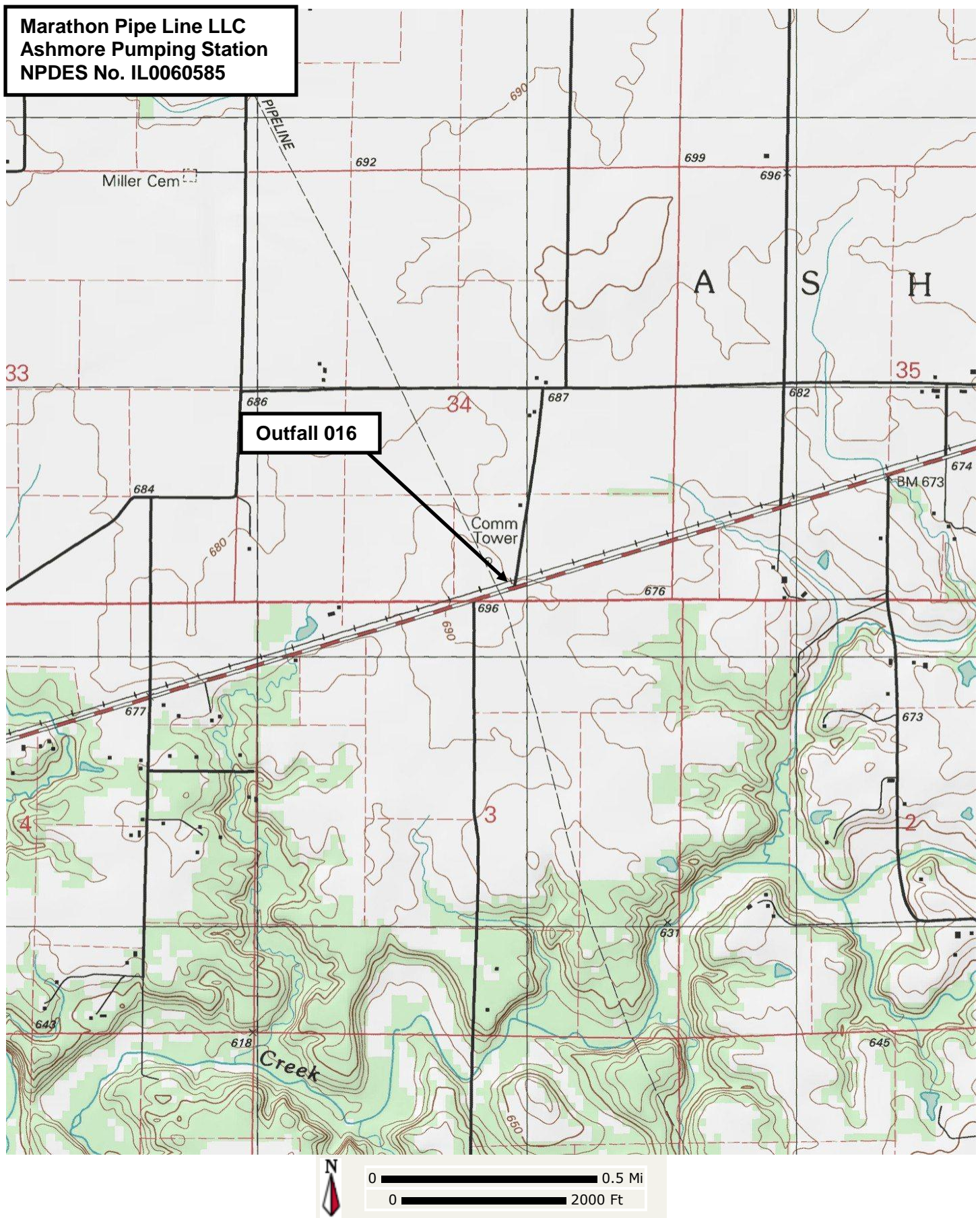
**Marathon Pipe Line LLC
Martinsville Tank Farm
NPDES No. IL0060585**



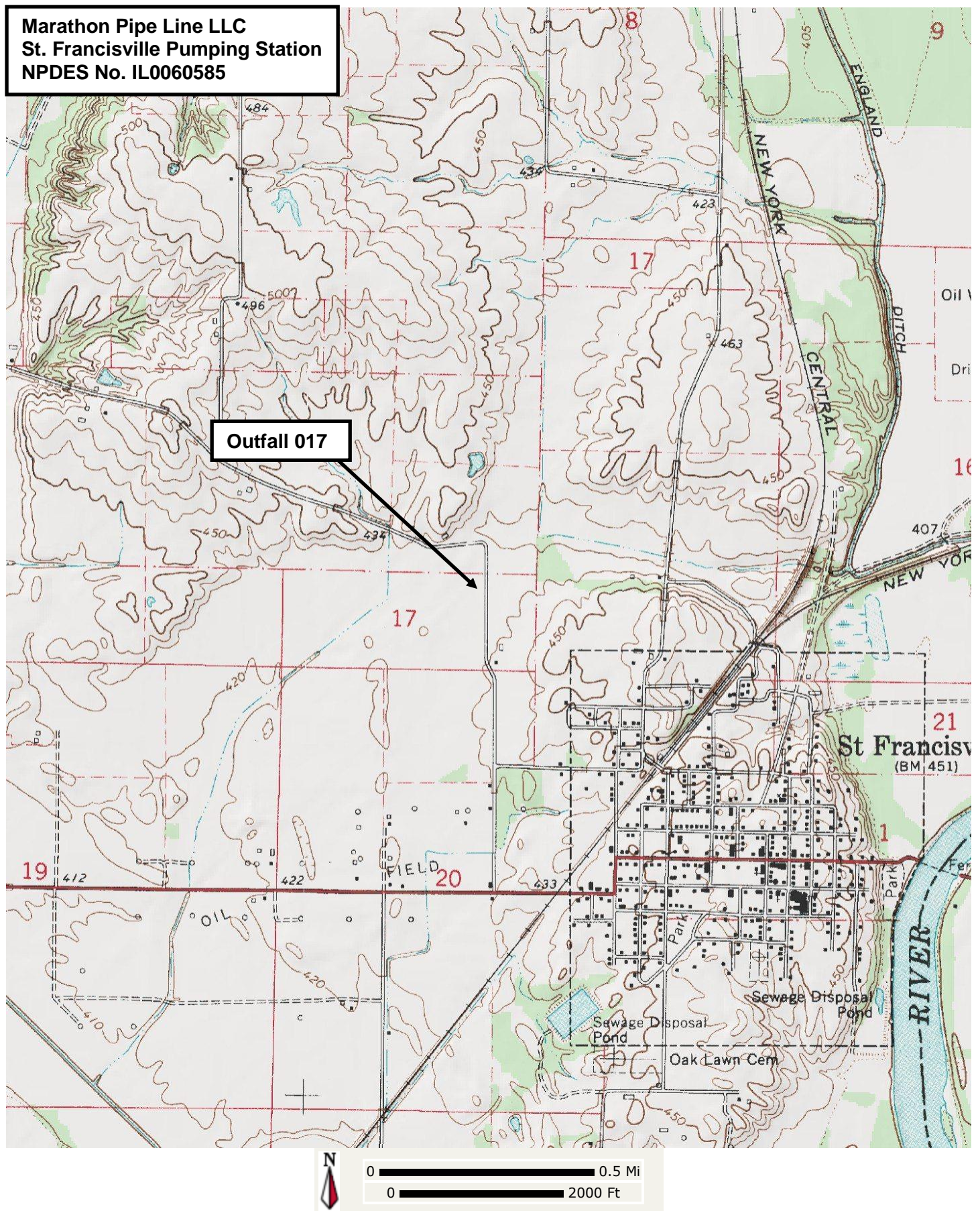
**Marathon Pipe Line LLC
Stoy Pumping Station
NPDES No. IL0060585**







**Marathon Pipe Line LLC
St. Francisville Pumping Station
NPDES No. IL0060585**



NPDES Permit No. IL0060585

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:		
Marathon Pipe Line LLC 539 South Main Street Findlay, OH 45840		Hydrostatic Testing Discharges Located in Bureau, Grundy, LaSalle, Whiteside and Will Counties
Discharge Number and Name:	Facility Name and Address:	Receiving Waters:
001 Hydrostatic Test Water	St. Anne pumping station County Road 5000S west of State Highway 1 near St. Anne, IL 60964	Unnamed Tributary to Deer Creek
002 Hydrostatic Test Water	Ashkum pumping station 2437 N. State Route 49 Ashkum, IL 60911	Unnamed Tributary to Iroquois River
003 Hydrostatic Test Water	Buckley pumping station 221 E. 600N Road Buckley, IL 60918	Unnamed Tributary to Spring Creek
004 Hydrostatic Test Water	Champaign delivery/pumping station 511 South Staley Road Champaign, IL 61821	Unnamed Tributary to Kaskaskia Ditch
005 Hydrostatic Test Water	Macon pumping station 3000 N. Shelby County Macon, IL 62544	Unnamed Tributary to Long Grove Creek
006 Hydrostatic Test Water	Hillsboro pumping station 15001-15203 County Road 1100 E Hillsboro, IL 62015	Unnamed Tributary to Cress Creek
007 Hydrostatic Test Water	Wood River tank farm 700 South 6th Street Wood River, IL 62095	Unnamed Tributary to Mississippi River
008 Hydrostatic Test Water	Hartford tank farm 415 E 7th Street Hartford, IL 62048	Unnamed Tributary to Mississippi River
009 Hydrostatic Test Water	Altamont pumping station 1100th Ave Altamont, IL 62411	Unnamed Tributary to Coon Creek
010 Hydrostatic Test Water	Patoka tank farm 8762 US Highway 51 Vernon, IL 62892	Unnamed Tributary to North Fork Kaskaskia River
011 Hydrostatic Test Water	Effingham pumping station 9999 County Road 1650 E Effingham, IL 62401	Unnamed Tributary to Little Salt Creek

012 Hydrostatic Test Water	Dieterich pumping station 21400-21498 County Road 850 N Dieterich, IL 62424	Dietrich Creek
013 Hydrostatic Test Water	Martinsville tank farm 525 E. Cumberland Rd Martinsville, IL 62442	Unnamed Tributary to North Fork Embarrass
014 Hydrostatic Test Water	Stoy pumping station 9999 N Main St Stoy, IL 62464	Bennett Creek
015 Hydrostatic Test Water	Neadmore Junction block valve Unnamed Road Neadmore, IL 62442	Unnamed Tributary to Willow Creek
016 Hydrostatic Test Water	Ashmore pumping station 10151 North County Road 2170 East Ashmore, IL 61912	Unnamed Tributary to Polecat Creek
017 Hydrostatic Test Water	St Francisville pumping station County Road 1350E St Francisville, IL 62460	Unnamed Tributary to Wabash 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. IL0060585

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:

Outfalls: 001 - 017 Hydrostatic Test Water (DAF = 0.01 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	
pH	See Special Condition 2				1/Discharge	Grab
Total Suspended Solids			15	30	1/Discharge	Grab
Oil and Grease			15	30	1/Discharge	Grab
Iron			2	4	1/Discharge	Grab
Total Residual Chlorine	See Special Condition 3			0.05	1/Discharge	Grab
Benzene				0.05	1/Discharge	Grab
Ethylbenzene			0.014	0.15	1/Discharge	Grab
Toluene			0.6	2.0	1/Discharge	Grab
Xylene			0.36	0.92	1/Discharge	Grab
Total BETX	See Special Condition 4			0.75	1/Discharge	Grab
Total PNAs	See Special Condition 5			0.1	1/Discharge	Grab

Total Residual Chlorine is only required to be tested when the hydrostatic test water contains or could contain chlorine and/or residuals.

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 6.5 to 9.0. The monthly minimum and monthly maximum values shall be reported on the DMR form.

SPECIAL CONDITION 3. 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 4. Total BETX is defined as the sum total of Benzene, Ethyl benzene, Toluene and Xylene.

SPECIAL CONDITION 5. Priority Pollutant PNAs is defined as the sum total of the following Polynuclear Aromatic Hydrocarbons:

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

SPECIAL CONDITION 6. 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 7. 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 8. 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 9. The permittee shall provide telephone notification to the appropriate IEPA Regional Office at least 24 hours prior to any hydrostatic pipeline testing which may result in a discharge.

When discharging from outfall 001 the Des Plaines FOS shall be notified at 847/294-4000

When discharging from outfalls 002, 003, 004, 005, 009, 011, 012, 013, 014, 015, and 016 the Champaign FOS shall be notified at 217/278-5800

When discharging from outfall 006 the Springfield FOS shall be notified at 217/786-6892

When discharging from outfalls 007, 008, and 010 the Collinsville FOS shall be notified at 618/346-5120

Special Conditions

SPECIAL CONDITION 10. 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 11. 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.

SPECIAL CONDITION 12. 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 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.

SPECIAL CONDITION 14. Solid wastes such as straw used for filtering or erosion control shall be disposed of in accordance with state and federal law.

SPECIAL CONDITION 15. Except for the situations described in (A) and (B) below, the permittee shall only discharge untreated hydrostatic test water to the watersheds from which the source water was drawn.

- (A) The permittee may discharge hydrostatic test water withdrawn from any waters of the state (except zebra mussel contaminated waterbodies) to any watershed provided the water has been treated to kill any organisms. Prior to discharge the treated water must meet the limit for total residual chlorine listed on page two of this permit. The permittee shall provide written notification to the Illinois EPA in the event that treatment processes other than chlorination are to be utilized for biological treatment. The notification shall include a description of the proposed treatment process along with basis of design information. Only those treatment programs approved by the Illinois EPA may be implemented. An individual NPDES permit may be required to include additional limits and conditions based on the alternative treatment proposed. Issuance of an individual permit will require public notice and opportunity for hearing.
- (B) Source water withdrawn from any waterbody believed to be contaminated with zebra mussels may only be returned to its origin. For information regarding waterbodies contaminated with zebra mussels, contact Bob Mosher (IEPA - Standards Unit) at 217/782-0610. The permittee must apply for a biological treatment program that must be approved by the IEPA in the event the permittee wishes to discharge zebra mussel contaminated water to a different waterbody. For all treatment programs, including chlorination, written notification to the Illinois EPA shall be submitted and shall include a complete description of the proposed treatment process as well as information explaining the basis of design. Only those treatment programs approved by the Illinois EPA may be implemented. A permit modification may be required to include additional limits and conditions and will require public notice and opportunity for hearing.