



Illinois Environmental Protection Agency

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Division of Water Pollution Control

Hydrostatic Test Water Review Sheet

General Permit for Hydrostatic Testing of Pipelines and Tanks

Reviewer: Mark E. Liska Date: 8/24/2020 Permit Number: ILG67056

Applicant: Panhandle Eastern Pipe Line Company - Permit Modification

Mailing Address: 1300 Main St.

City: Houston State: TX Zip: 77002

Facility: Pipeline Rights-of-Way

Address: Various

City: Various State: IL Zip: County: Various

Existing Discharge: ☒ Yes Existing Discharge with ☒ Yes (If yes, anti-degradation review required.)
☐ No New Outfall or Increased Loading: ☐ No Completion Date: 8/24/2020

Outfall Number	Existing (yes/no)	Receiving Stream	Latitude	Longitude	Average Flow (MGD)
001	Yes	Sixmile Creek [existing, no changes (A, C)]	39° 28' 17"	90° 54' 57"	1.44
002	Yes	Unnamed trib to Waverly Lk [existing, no changes (A, C)]	39° 25' 31"	89° 58' 50"	1.44
003	Yes	Unnamed trib to Brush Creek [existing, no changes (A, C)]	39° 38' 0"	89° 37' 47"	1.44
004	Yes	Kaskaskia River [existing, no changes (A)]	39° 47' 22"	89° 21' 34"	1.44
005	Yes	Illinois River [existing, no changes, (A)]	39° 32' 46"	90° 34' 44"	2.7

Wastestreams:

- ☒ New tanks, pipelines, and appurtenances, not previously containing materials from industrial-related activities.
- ☒ Existing tanks, pipelines, and appurtenances, used for the transfer/storage of natural gas containing all or part methane, ethane, butane, and propane.
- ☐ Existing cleaned tanks, pipelines, and appurtenances, used for the transfer/storage of products including petroleum.

Wastewater Chlorinated: ☐ Yes Raw Water Source: ☐ Groundwater Applicable Permit Paragraphs: ☒ A.
☒ No ☒ Surface Water ☐ B.
☒ Potable ☒ C.

If surface water, where is it returning? ☐ Not Applicable

- ☒ To its original source
- ☐ To another waterbody within the same watershed
- ☐ To another waterbody outside of the original watershed

Is source water contaminated with zebra mussels?

- ☒ Yes
- ☐ No

Outfalls 001-005 on the previous page are existing outfalls with no changes. The following outfalls are all new. Following this list is the antidegradation assessment for each new outfall:

Outfall Number	Existing? Yes/No	Receiving Stream	Latitude	Longitude	Average Flow (MGD)
006	No	Finley Creek	39.46'50"	88.53'02"	0.23
007	No	Tributary to Okaw River	39.47'50"	88.42'01"	0.04
008	No	Sangamon River - South Fork	39.40'05"	89.28'50"	3.87
009	No	Buckhart Creek	39.42'10"	89.19'44"	3.87
010	No	Buckhart Creek	39.42'54"	89.16'13"	3.87
011	No	Big Creek	39.47'20"	88.50'44"	0.01
012	No	Big Creek	39.47'22"	88.50'44"	0.06
013	No	Big Creek	39.47'24"	88.49'42"	0.08
014	No	Lake Fork	39.47'20"	88.27'45"	0.15
015	No	Embarras River	39.47'20"	88.10'09"	0.48
016	No	Brushy Creek	39.47'20"	87.51'09"	0.50
017	No	Apple Creek	39.35'24"	90.03'41"	0.20

Antidegradation Assessment for New Outfalls 006-017

The subject facility is will be covered under the general permit for hydrostatic testing discharges. The source water for the test sections will be pumped into the pipeline from either the receiving waters or municipal source. The hydrostatic test water will be discharged into a staked straw bale filter structure to be constructed in an undisturbed upland area near the pipeline tine-in location.

The subject facility proposes to discharge, via Outfall 006, to Finley Creek at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. Finley Creek is classified as a General Use Water. Finley 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. Finley Creek, Waterbody Segment, IL_EZP, is not listed on the draft 2016 Illinois Integrated Water Quality Report and Section 303(d) List since it has not been assessed. Finley Creek is not subject to enhanced dissolved oxygen standards.

The subject facility proposes to discharge, via Outfall 007, to an unnamed tributary of West Okaw River Trib at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. The unnamed tributary of West Okaw River Trib is classified as a General Use Water. The unnamed tributary of West Okaw River Trib 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 West Okaw River Trib, tributary to Waterbody Segment, IL_OTI, is not listed on the draft 2016 Illinois Integrated Water Quality Report and Section 303(d) List since it has not been assessed. The unnamed tributary of West Okaw River Trib is not subject to enhanced dissolved oxygen standards.

The subject facility proposes to discharge, via Outfall 008, to South Fork Sangamon River at a point where 1.9 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. South Fork Sangamon River is classified as a General Use Water. South Fork 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. South Fork Sangamon River, Waterbody Segment, IL_EO-04, is listed on the draft 2016 Illinois Integrated Water Quality Report and Section 303(d) List as impaired for fish consumption use with potential cause given as chlordane. Aesthetic quality, aquatic life, primary contact recreation, and secondary contact uses are fully supported. South Fork Sangamon River is not subject to enhanced dissolved oxygen standards.

The subject facility proposes to discharge, via Outfall 009, to Buckhart Creek at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. Buckhart Creek is classified as a General Use Water. Buckhart 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*, at this location, however, approximately 3 miles downstream it is listed as a biologically significant stream. Buckhart Creek is not given an integrity rating in that document. Buckhart Creek, Waterbody Segment, IL_EZM-02, is listed on the draft 2016 Illinois Integrated Water Quality Report and Section 303(d) List as impaired for aquatic life use with potential causes given as alteration in stream-side or littoral vegetative cover, dissolved oxygen, and sedimentation/siltation. Buckhart Creek is not subject to enhanced dissolved oxygen standards.

The subject facility proposes to discharge, via Outfall 010, to an unnamed tributary of Buckhart Creek at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. The unnamed tributary of Buckhart Creek is classified as a General Use Water. The unnamed tributary of Buckhart 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 Buckhart Creek, tributary to Waterbody Segment, IL_EZM-02, is not listed on the draft 2016 Illinois Integrated Water Quality Report and Section 303(d) List since it has not been assessed. The unnamed tributary of Buckhart Creek is not subject to enhanced dissolved oxygen standards.

The subject facility proposes to discharge, via Outfall 011, 012, and 013, to unnamed tributaries of Big Creek at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. The unnamed tributaries of Big Creek are classified as a General Use Waters. The unnamed tributaries of Big Creek are not listed as a biologically significant streams in the 2008 Illinois Department of Natural Resources Publication *Integrating Multiple Taxa in a Biological Stream Rating System*, nor are they given an integrity rating in that document. The unnamed tributaries of Big Creek, tributary to Waterbody Segment, IL_EU-01, are not listed on the draft 2016 Illinois Integrated Water Quality Report and Section 303(d) List since they have not been assessed. The unnamed tributaries of Big Creek are not subject to enhanced dissolved oxygen standards.

The subject facility proposes to discharge, via Outfall 014, to Lake Fork at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. Lake Fork is classified as a General Use Water. Lake Fork 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; however, it is rated a "C" stream using IDNR's integrity rating system at this location. Lake Fork, Waterbody Segment, IL_OW-01, is listed on the draft 2016 Illinois Integrated Water Quality Report and Section 303(d) List as impaired for aquatic life use with potential causes given as alteration in stream-side or littoral vegetative cover, chloride, dissolved oxygen, and sedimentation/siltation and fish consumption use with potential causes given as mercury and polychlorinated biphenyls. Aesthetic quality use is fully supported. Lake Fork is not subject to enhanced dissolved oxygen standards.

The subject facility proposes to discharge, via Outfall 015, to the Embarrass River at a point where 0.51 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. The Embarrass River is classified as a General Use Water. The Embarrass 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*; however, it is rated a "C" stream using IDNR's integrity rating system at this location. The Embarrass River, Waterbody Segment, IL_BE-14, is listed on the draft 2016 Illinois Integrated Water Quality Report and Section 303(d) List as impaired for primary contact recreation use with potential cause given as fecal coliform. Aesthetic quality and aquatic life uses are fully supported. The Embarrass River is not subject to enhanced dissolved oxygen standards.

The subject facility proposes to discharge, via Outfall 016, to Brushy Fork at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. Brushy Fork is classified as a General Use Water. Brushy Fork 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. Brushy Fork, Waterbody Segment, IL_BEZZ-05, is not listed on the draft 2016 Illinois Integrated Water Quality Report and Section 303(d) List. Aquatic life use is fully supported. Brushy Fork is subject to enhanced dissolved oxygen standards.

The subject facility proposes to discharge, via Outfall 017, to Left Fork Apple Creek at a point where 0 cfs of flow exists upstream of the outfall during critical 7Q10 low-flow conditions. Left Fork Apple Creek is classified as a General Use Water. Left Fork Apple 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. Left Fork Apple Creek, Waterbody Segment, IL_DBL, is not listed on the draft 2016 Illinois Integrated Water Quality Report and Section 303(d) List since it has not been assessed. Left Fork Apple Creek is not subject to enhanced dissolved oxygen standards.

On August 21, 2020, the IDNR EcoCAT web-based tool was used (IDNR Project Number: 2103363, 2103389, 2103364, 2103366, 2103368, 2103377, 2103379, and 2103382) and indicated that there were no endangered/threatened species present in the vicinity of Outfalls 006, 007, 008, 009, 010, 013, 014, and 017. The IDNR EcoCAT web-based tool terminated the consultation.

On August 21, 2020, the IDNR EcoCAT web-based tool was used (IDNR Project Number: 2103370, 2103375) and indicated that there were protected resources (Spitler Woods INAI Site and Spitler Woods Nature Preserve) present in the vicinity of Outfalls 011 and 012. IDNR evaluated the submittal and determined that impacts to the protected resources are unlikely. IDNR terminated the consultation request on August 21, 2020.

On August 21, 2020, the IDNR EcoCAT web-based tool was used (IDNR Project Number: 2103380) and indicated that there were protected resources (Embarras River – Camargo INAI Site, and Little

Spectaclecase (*Villosa lianosa*)) present in the vicinity of Outfall 015. IDNR evaluated the submittal and determined that impacts to the protected resources are unlikely. IDNR terminated the consultation request on August 21, 2020.

On August 21, 2020, the IDNR EcoCAT web-based tool was used (IDNR Project Number: 2103381) and indicated that there were protected resources (Brushy Fork Newman Segment INAI Site, Little Spectaclecase (*Villosa lianosa*), Northern Long-Eared Myotis (*Myotis septentrionalis*)) present in the vicinity of Outfall 016. IDNR evaluated the submittal and determined that impacts to the protected resources are unlikely. IDNR terminated the consultation request on August 21, 2020.

This discharge is not entering a stream that may be adversely affected by effluents of this type. The unnamed tributary has characteristics consistent with no anticipated adverse impact from the proposed discharge as indicated in the original antidegradation assessment for the general permit.