

ITEM 1

Two-Page 401 Water Quality Certification Application Form



Application for Section 401 Water Quality Certification

Division of Surface Water 401 Water Quality Certification and Isolated Wetland Permitting Unit

Section 1: Applicant and Agent Information		
	Applicant:	Agent:
Company/ Agency Name:	Marathon Pipe Line LLC	POWER Engineers, Inc.
Name of Contact:	Laura A. McKee	Bruce H. Bauer
Title:	Environmental Coordinator	Senior Project Manager/Area Lead
Technical Point of Contact:	Laura A. McKee	Bruce H. Bauer
Address:	5825 East Cumberland Road	7041 Maynardville Highway
City, State, Zip:	Martinsville, IL 62442-0573	Knoxville, TN 37918
Phone Number(s):	(217) 382-2209 – Office (219) 821-7504 – Cell	(865) 925-6370
Email Address:	lamckee@marathonpetroleum.com	bruce.bauer@powereng.com

Section 2: Project Information		
A. Project Name: Cornerstone Pipeline		
B Has Pre-App. Coordination occurred? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Indicate the 401 reviewer: Surrena DATE: 4/16/2014		
C. Brief Project Description/Purpose: See attached Supplemental Information document		
D. Construction Timeframe (Provide ~start and end dates): March 2016 September 2016		
E. Is any portion of the activity complete now? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Is this an "After-The-Fact" permit application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If YES to either, describe the extent of completed portion of the activity below and the unauthorized impacts on waters of the state: Click here to enter text.		
F. Coordinates (degree, minutes, seconds): 40° 28' 57.191" N - 81° 15' 17.392" W		
G. Project Address: Street: See Project Location in attached Supplemental Information document.		City or Town: 50 mile right-of-way from Cadiz to Canton
Zip Code: Multiple	Township: Multiple	County: Choose an item.
H. 12 Digit HUC No.: 050301060202, 050400011502, 050400011501, 050400010704, 050400011503, 050400010707, 050400011504, 050400010803, 050400010805, 050400010802, 050400010804, 050400010606, 050400010607, 050400010506, 050400010505	I. Watershed Name: Tuscarawas and Upper Ohio Wheeling	J. Corps District: Huntington
K. Proposed impacts to "waters of the state":		L. Other water related permits issued or required include:
<input type="checkbox"/> Beach Nourish <input type="checkbox"/> Levees/Berms <input type="checkbox"/> Blasting <input type="checkbox"/> Mine Through <input type="checkbox"/> Breakwater <input type="checkbox"/> Revetment <input type="checkbox"/> Bulkhead <input type="checkbox"/> Bank Stabilization <input type="checkbox"/> Bridge/Culvert <input type="checkbox"/> Stream Channeliz. <input type="checkbox"/> Dam <input type="checkbox"/> Stream Relocation <input checked="" type="checkbox"/> Dredge <input checked="" type="checkbox"/> Water Body Cross <input checked="" type="checkbox"/> Fill <input type="checkbox"/> Weirs <input type="checkbox"/> Groin/Jetty <input type="checkbox"/> Other		<input type="checkbox"/> Individual 404 Permit – Public Notice # Click here to enter text. <input checked="" type="checkbox"/> Nationwide Permit # 12 - Utility Line Activities Choose an item. Click here to enter a date. <input type="checkbox"/> Section 10 Permit - Choose an item. Click here to enter a date. <input type="checkbox"/> Section 9 Permit - Click here to enter text. <input type="checkbox"/> Iso. Wetland Permit Choose an item. Click here to enter a date. Choose an item. <input type="checkbox"/> NPDES Permit – Choose an item. Choose an item. Click here to enter a date. <input type="checkbox"/> Permit to Install – Choose an item. : Click here to enter a date. <input type="checkbox"/> ODNR Choose an item. Permit - Choose an item. Click here to enter a date. <input type="checkbox"/> ODNR Coastal Permit - Choose an item. Click here to enter a date.

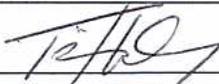
Application for Section 401 Water Quality Certification

Regional Permit - Choose an item. Click here to enter a date.

Section 3: Fees			
Are you exempt from fees? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If YES, leave fee section blank)			
Application Fee =			\$ 200.00
Review Fee			
Wetland	Acres Impacted	1.27	x \$500 = \$ 635.00
Ephemeral Stream	Linear Feet Impacted	102.20	x \$5.00 = \$ 511.00 (\$200.00 minimum)
Intermittent Stream	Linear Feet Impacted	147.10	x \$10.00 = \$ 1,471.00 (\$200.00 minimum)
Perennial Stream	Linear Feet Impacted	174.50	x \$15.00 = \$ 2,617.50 (\$200.00 minimum)
Lake	Cubic Yards	0.02	x \$3.00 = \$ 0.06
Total Review Fees =			\$ 5,234.56
Total Fees (\$200 Application Fee + Total Review Fees) = \$ 5,434.56			
Standard Applicant - Is the fee cap (\$25,000) exceeded? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
If YES, \$12,500 (\$12,700) is due with application and \$12,500 (\$12,300) is due at time of 401 WQC issuance			
County, Township or Municipal Corp. – Is the fee cap (\$5,000) exceeded? <input type="checkbox"/> YES <input type="checkbox"/> NO			
If YES, \$2,500 (\$2,700) is due with application and \$2,500 (\$2,300) is due at time of 401 WQC Issuance			
If fee cap is not exceeded:			
DUE AT TIME OF 401 WQC APP. SUBMITTAL – APPLICATION FEE AND ½ OF REVIEW FEE =			\$ 2,817.28
DUE AT TIME OF 401 WQC ISSUANCE – ½ OF REVIEW FEE (Invoice will be sent) =			\$ 2,617.28
PLEASE MAKE FEE CHECK PAYABLE TO: "TREASURER, STATE OF OHIO"			

Section 4: Submitted Documentation		
Check all documents/items that have been submitted:		
<input checked="" type="checkbox"/> U.S. ACOE JD letter	<input checked="" type="checkbox"/> A specific & detailed mitigation plan	<input checked="" type="checkbox"/> US FWS & ODNR T&E Coordination
<input checked="" type="checkbox"/> 10 page ORAM forms - impacted wetlands	<input checked="" type="checkbox"/> Applicable fees	<input checked="" type="checkbox"/> Investigation report of "waters of the US"
<input checked="" type="checkbox"/> A DoEU for each undesignated stream *	<input checked="" type="checkbox"/> Site photographs	<input type="checkbox"/> US ACOE 404 Permit Public Notice
<input checked="" type="checkbox"/> Descriptions, schematics & appropriate economic information for <u>all three alternatives</u> (Preferred, Minimal Degradation and Non Degradation)		

*DoEU – Determination of Existing Use (See pages 6 and 11 in the Instructions)

Section 5: Applicant and Agent Signature			
I hereby designate and authorize the agent/consultant identified in Section 1 to act on my behalf in the processing of this permit application, and to furnish, upon request, supplemental information in support of the application:			
Applicant Name	Tim Haley	Applicant Signature	
Application is hereby made for a Section 401 Water Quality Certification. I certify that the information provided on this form and all attachments related to this project are true and accurate to the best of my knowledge:			
Applicant Name	Tim Haley	Applicant Signature	
Agent Name	Bruce H. Bauer	Agent Signature	

For Internal Ohio EPA Use	
Reviewer:	
Project ID #	
Date Received:	
CR Due:	

1.0 APPLICATION FORM ADDITIONAL RESPONSES

ITEM 1 Supplemental Information. Application Form: Section 2, Item C: Brief Project Description/Purpose

1.1 PROJECT DESCRIPTION

Marathon Pipe Line LLC (MPL) is proposing to (1) construct approximately 50 miles of petroleum pipeline from Cadiz to Canton, Ohio, and (2) remove approximately 4.1 miles of Marathon Petroleum Company's (MPC) Breezehill pipeline, an inactive, purged 4-inch gas line in Stark County. Both of these activities are considered components of the overall Cornerstone Pipeline Project. The proposed 50-mile petroleum line traverses portions of Harrison, Carroll, Tuscarawas, and Stark counties (from south to north). The proposed pipeline will be composed of two sizes with 16-inch diameter pipe from Cadiz (Mile Post 0.0) to East Sparta (Mile Post 41.5) and 8-inch diameter pipe from East Sparta to Canton (Mile Post 50.1). The proposed Breezehill pipeline removal component of this project is located entirely within Stark County and its southern end is located at Mile Post 46.05 of the proposed Cornerstone Pipeline and continues north for approximately 4.1 miles to its terminus within Marathon Petroleum Company LP's (MPC) Canton refinery, running parallel to and in close proximity to the Cornerstone alignment.

The selected alignment for the new pipeline reflects an accommodation of landowner concerns, locations of existing pipeline, input from all relevant state and federal agencies, and avoidance/minimization of significant adverse impacts to the waters of the U.S., protected species, and cultural resources. The start and end points of the pipeline alignment are required locations, with the start point being in Cadiz, Harrison County where the Cornerstone Pipeline will tie in to the MarkWest condensate stabilization facility to obtain the condensate liquids for delivery to MPC's Canton refinery and to Ohio River Pipe Line LLC's (ORPL) East Sparta tank farm. The route selection was also driven by the need to connect to the Utica East Ohio (UEO) Harrison Hub fractionation facility near Scio (Harrison County) to obtain more product for delivery by the Cornerstone Pipeline.

The decision to co-locate as much of the proposed pipeline with currently existing foreign (i.e., owned by other companies) pipelines was based principally on MPL's corporate position of minimizing impacts to the environment. Co-locating allows MPL to utilize a portion of the existing maintained ROW of the paralleling foreign pipeline, thereby minimizing the amount of disturbance to areas outside of the already disturbed ROW. The proposed alignment of the Cornerstone Pipeline parallels existing utility lines for over 75% of the route.

As stated above, part of this project also involves removal of 4.1 miles of the inactive and purged Breezehill 4-inch pipeline located in Stark County that begins near Cornerstone MP 46.05 and ends at MPC's Canton Refinery. This line has been inactive for approximately 10 years and MPL proposes to remove it prior to construction of the proposed Cornerstone Pipeline and, where feasible to use the excavated Breezehill Pipeline trench for installation of sections of the proposed Cornerstone Pipeline.

It is anticipated that construction activities for this project would be initiated in the spring of 2016 and be completed within approximately five months.

The land crossed by the Cornerstone and Breezehill pipelines is predominately deciduous forest (approximately 56 percent) followed by open land (approximately 39 percent developed, barren, open space, row crops, and hay/pasture, per NLCD 2006 Land Cover data, 2006), and lies primarily (95%) within the Western Allegheny Plateau Ecoregion, with 5% of the line within the Erie Drift Plain

Ecoregion. The pipeline routes are wholly contained within the physiographic region known as the Appalachian Plateaus: Kanawha Section. The land crossed by the pipeline routes within the northern 2.6 miles of the alignment is predominately deciduous forest and lies within the Appalachian Highlands Division, in the physiographic province known as the Appalachian Plateaus in the Kanawha section (Allegheny Plateaus), of the Erie Drift Plain Level III Ecoregion, an area typified by maturely dissected upland modified by glaciation, characterized with rounded hills, ridges, and broad valleys. Natural vegetation within this ecoregion includes beech-maple forest, Appalachian oak forest, northern hardwood forest, mixed mesophytic forest, and a small extent of oak-hickory forest. The land crossed by the Cornerstone and Breezehill pipeline routes within the southern 47.5 miles of the alignment is predominately deciduous forest and lies within the Appalachian Highlands Division, in the physiographic province known as the Appalachian Plateaus in the Kanawha section (Allegheny Plateaus), of the Western Allegheny Plateau Level III Ecoregion, an area typified by maturely dissected plateau with high hills, sharp ridges, and narrow valleys. Natural vegetation within this ecoregion includes mixed mesophytic forest and Appalachian oak forest. Other communities may include mixed oak forest, oak-hickory forest, oak-pine forest, hemlock forest, beech forest, floodplain forest, and swamp forest.

The environmental investigations for this project encompassed a Survey Corridor typically 300 feet in width (expanded or reduced in select areas due to local constraints or identification of a need to survey additional areas) surrounding the proposed centerline of the Cornerstone and Breezehill alignments. The purpose of reviewing such a large corridor width was to identify environmental constraints present within the Survey Corridor so that identification of the proposed pipeline route could take into consideration constraints presented by factors such as the presence of wetlands, protected species occurrences/habitat, and cultural resources/historic properties. By reviewing the wide Survey Corridor the applicant was also able to accommodate minor revisions to the selected alignment without the need to conduct additional environmental studies. The process of avoiding and minimizing impacts to sensitive environmental features, e.g., wetlands and streams was also facilitated by having collected data for the entire 300-ft Survey Corridor.

The project will result in temporary impacts to wetlands and streams and some permanent impacts along the project corridor to cultural resources and the habitat of the endangered Indiana bat and threatened northern long-eared bat. With regard to cultural resources, the project will result in permanent impacts to part of four archaeological resources coincident with USACE jurisdictional areas: sites 33TU0738, 33ST1072, 33ST1073 and 33ST1074. These four sites, all prehistoric in character, have been recommended as not eligible for the National Register of Historic Places (NRHP). The OHPO has concurred with the recommendation that these four sites are not eligible for the NRHP.

The installation of the proposed Cornerstone Pipeline would involve impacting an approximate 90-ft wide construction ROW (narrowed to 75 ft at all wetland and stream crossings for the Preferred Alternative). The 90-ft construction ROW is typically composed of a 50-ft permanent ROW, and 40 ft of temporary ROW for additional work space. This 90-ft construction ROW would be impacted by proposed pipeline trench excavation, stockpiling of soil, grading, movement of construction equipment, and regarding/seeding/mulching activities. Upon completion, the maintained ROW will be 50 ft in width centered on the new pipeline. The removal of the small Breezehill Pipeline would involve a construction ROW of varying widths, varying from 20 to 40 ft in width depending on local conditions and/or landowner-related issues.

The proposed activities would result in temporary impacts to waters of the U.S. due to excavation and fill activities associated with installation of the pipeline. However, there is no loss of waters of the U.S. as a result of the proposed project.

1.2 PROJECT PURPOSE

The purpose of the project is to construct a pipeline for the transport of Utica Shale condensate from processing facilities to the MPC Canton Refinery and the ORPL East Sparta Tank Farm. The Cornerstone Pipeline is production-driven and designed to provide the necessary new pipeline infrastructure to transport liquids from the Utica Shale production area in Ohio. Currently, Utica liquids are being transported via truck, rail, and barge. Construction of the Cornerstone Pipeline will provide a more efficient and safer mode of transporting the liquids to the marketplace.

This project has been proposed in order to address the identified need for efficient and safe delivery of condensate from the Utica Shale to refineries in order to meet the needs of producers, mid-streamers, marketers, diluent blenders, and refiners as the Utica Shale continues to develop. Production of condensate continues to grow from the Utica Shale and this pipeline will help deliver the condensate to refineries where it can be processed into gasoline and diesel. Additionally, this pipeline will transport natural gasoline which will be used to create additional gasoline in the United States, and also delivered to Canada as diluent to be blended with more viscous crude for pipeline transportation.

The removal of the inactive and purged 4-inch Breezehill Pipeline is part of the overall Cornerstone Pipeline project and has been proposed in response to both the need to utilize portions of its alignment for installation of the Cornerstone Pipeline and because the line has been inactive for approximately 10 years and was disconnected from all Marathon systems and facilities some time ago.

ITEM 1 Supplemental Information. Application Form: Section 2, Item G: Project Location

1.3 PROJECT LOCATION

The proposed Cornerstone Pipeline is located in east-central Ohio and runs from Cadiz (Harrison County) to Canton (Stark County) (see Figure 1 in Item 6). The line traverses from south to north, portions of Harrison, Carroll, Tuscarawas, and Stark counties. The coordinates for the approximate center of the project are: 40.474849/-81.248801. The proposed pipeline will be composed of pipe of two sizes with a 16-inch diameter pipe from Cadiz (Mile Post 0.0) to East Sparta (Mile Post 41.5) and 8-inch diameter pipe from East Sparta to Canton (Mile Post 50.1). In order to minimize impacts to waters of the U.S., the final proposed alignment has been selected to be co-located with other foreign pipelines, to the greatest extent practicable. In this regard, approximately 75% of the proposed Cornerstone Pipeline is co-located (offset typically 25 - 35 ft) with other foreign pipelines. Item 6 contains the project maps that show the proposed pipeline alignment plotted on USGS 7.5 minute USGS quadrangle maps.

The proposed Breezehill Pipeline removal component of this PCN is located entirely within Stark County and its southern end is located at Mile Post 46.05 of the proposed Cornerstone Pipeline and continues north for approximately 4.1 miles to its terminus within MPC's Canton Refinery, running parallel to and in close proximity to the proposed Cornerstone Pipeline alignment. The 4-inch Breezehill line has been inactive for approximately 10 years and has been purged and disconnected from Marathon facilities.

The overall project area is located almost entirely within the Tuscarawas River Hydrologic Unit Code (HUC) 05100101. A small portion of the project area (< 0.1 mile) does fall within the Upper Ohio-Wheeling HUC Code 05030106 at the extreme southern end of the proposed alignment; however, there are no waters of the U.S. located within the Upper Ohio-Wheeling HUC portion of the proposed Cornerstone Pipeline project. The project area crosses multiple unnamed headwater streams within the Tuscarawas River drainage, as well as the named streams (south to north): Clear Fork, Conotton Creek, Indian Fork, Dog Run, Beggar Run, Huff Run, Sandy Creek, Nimishillen Creek, Bear Run, Domer Ditch,

and Hurford Run. None of the streams crossed by the proposed project are classified as “special waters” by the State of Ohio. Figures 2 and 3 (Item 6) provide maps showing the 12-digit HUC basins for the Cornerstone and Breeze Hill Pipelines, respectively.