November 17, 2020

Byhalia Pipeline LLC
William Gore, V.P. Env and Reg. Compliance
333 Clay Street, Suite 1600
Houston, TX 77002

Subject: §401 Water Quality Certification, State of Tennessee ARAP NRS No. 20.089-
Temporary impacts to 2.294 acres within 6 wetlands. permanent conversion of 0.87 acres (2
wetlands) from PFO wetlands to PEM wetlands and 7 stream crossings (3 intermittent; 4
perennial); Shelby County

Dear Mr. Gore:

We have reviewed your application for the temporary impacts to 2.294 acres within 6 wetlands. permanent conversion of 0.87 acres (2 wetlands) from PFO wetlands to PEM wetlands and 7 stream crossings (3 intermittent; 4 perennial).

Pursuant to section 401 of the Federal Clean Water Act (33 U.S.C. § 1341), the state of Tennessee is required to certify whether the activity described below will violate applicable water quality standards.

Subject to conformance with accepted plans, specifications and other information submitted in support of the referenced application, the state of Tennessee hereby issues certification for the proposed activity (enclosed). This certification also serves as an aquatic resource alteration permit. Failure to comply with the terms of this permit or other violations of the Tennessee Water Control Act of 1977 is subject to penalty in accordance with T.C.A. § 69-3-115.

It is the responsibility of the permittee to ensure that all contractors involved with this project have read and understood the permit conditions before the project begins. If you need any additional information of clarification, please contact me at 615-532-0712 or Mike.Lee@tn.gov.
Sincerely,

Mike Lee
Natural Resources Unit

Cc: Memphis Environmental Field Office
    U.S. Army Corps of Engineers, Memphis
    U.S. Environmental Protection Agency, Atlanta, GA
    U.S. Fish and Wildlife Service, Cookeville, TN
    Rob Todd, Tenn. Wildlife Resources Agency, Nashville, TN.
    Shelby County MS4
    File Copy
Pursuant to § 401 of The Federal Clean Water Act (33 U.S.C. § 1341), any applicant for a Federal license or permit to conduct any activity which may result in any discharge into the waters of the U.S., shall provide the federal licensing or permitting agency a certification from the State in which the discharge originates or will originate. Accordingly, the Division of Water Resources requires reasonable assurance that the activity will not violate provisions of The Tennessee Water Quality Control Act of 1977 (T.C.A. § 69-3-101 et seq.) or provisions of §§ 301, 302, 303, 306 or 307 of The Clean Water Act.

Subject to conformance with accepted plans, specifications, and other information submitted in support of the application, pursuant to 33 U.S.C. § 1341 and T.C.A. § 69-3-101 et seq., the State of Tennessee hereby certifies and authorizes the activity described below.

PERMITTEE
Byhalia Pipeline LLC
William Gore, V.P. Env and Reg. Compliance
333 Clay Street, Suite 1600
Houston, TX 77002
(870) 219-1721

AUTHORIZED WORK
7 stream crossings and 6 wetland crossings resulting from pipeline construction

The permit is an aquatic resource alteration permit (ARAP) and Section 401 certification for aquatic alterations in Tennessee associated with a 24-inch diameter, 49.63-mile pipeline to transport crude oil. The alignment begins approximately 5.15 miles southwest of central Memphis, Tennessee at the Valero Refinery in Shelby County, Tennessee and transverses south and then east through DeSoto and Marshall Counties, Mississippi before terminating at the Valero Collierville Facility approximately 2.4 miles northwest of Cayce, Marshall County, Mississippi.

The project will be constructed primarily by conventional trenching methods. Horizontal directional drilling (HDD) will be employed at certain sensitive resource crossings and existing infrastructure (e.g., rivers and highways). Horizontal bores (HB) will be employed to cross smaller infrastructure such as county roads and railroads. Construction will occur within a typical right-of-way (ROW) which will consist of a 50-foot-wide permanent easement centered on the centerline (25 feet on each side of the centerline) and an additional 50-foot-wide temporary construction ROW from the edge of the permanent ROW (alternating sides of the ROW as necessary to avoid hazards and/or minimize impacts to sensitive areas. All pipeline crossings through jurisdictional waters of the U.S. will have a narrowed 75-foot (or less) combined ROW to minimize impacts where possible. Additional temporary workspaces (ATWS) will customarily be 25 to 50 feet wide but will vary in length and be located throughout the proposed project area where space is necessary to accommodate construction activities.

Standard locations for ATWS will include HDD, HB crossings, conventional stream crossings, and abrupt points of intersect. Construction of the proposed project will employ best management practices (BMPs)
for clearing vegetation, excavating the pipeline trench, welding and laying the pipe, backfilling the pipeline trench, re-establishing pre-construction contours, and restoring permanent vegetation. Construction of the proposed project is expected to begin December 1, 2020. The proposed project falls under the jurisdiction of two different U.S. Army Corps of Engineer Districts.

LOCATION Originating at the Valero Refinery located along North Rivergate Road in Memphis, Shelby County, Tennessee (35.080599, -90.085003) and travels south to the USACE Memphis District boundary approximately 0.75 miles northwest of Lynchburg, Mississippi (34.976713, -90.11304). The proposed project alignment re-enters the USACE Memphis District in Marshall County, Mississippi approximately 2.7 miles west-northwest of Cayce, Mississippi (34.965895, -89.661525) and continues primarily north where it terminates approximately 2.42 miles northwest of Cayce, Mississippi (34.979871, -89.645539). The remaining 36.33 miles of proposed alignment falls under the jurisdiction of the USACE Vicksburg District.

Although the project traverses two states, three counties, and two USACE districts, this ARAP and Section 401 Water Quality Certification application deals only with the 7.16-mile portion of the project occurring within Shelby County, TN.

These streams and wetlands are to be crossed:

The channel identified as S-NR01-024 (from coordinates 34.997389 Lat., -90.099061 Long. to 34.997369 Lat., -90.099228 Long.) is a perennial stream- Horn Lake Creek
The channel identified as S-NR01-027 (from coordinates 35.02125 Lat., -90.102788 Long. to 35.021352 Lat., -90.103315 Long.) is an intermittent stream- unnamed tributary to Coro Lake
The channel identified as S-NR01-028 (from coordinates 35.021499 Lat., -90.102972 Long. to 35.02137 Lat., -90.103182 Long.) is an intermittent stream- unnamed tributary to Coro Lake
The channel identified as S-NR01-029 (from coordinates 35.042783 Lat., -90.10721 Long. to 35.042904 Lat., -90.106852 Long.) is an intermittent stream- unnamed tributary to Cypress Creek.
The channel identified as S-NR07-001 (from coordinates 35.065221 Lat., -90.095498 Long. to 35.065384 Lat., -90.095759 Long.) is a perennial stream- Cypress Creek.
The channel identified as S-NR11-002 (from coordinates 35.071084 Lat., -90.089144 Long. to 35.071283 Lat., -90.089242 Long.) is a perennial stream- tributary to Lake McKellar.
The channel identified as S-NR11-012 (from coordinates 35.075361 Lat., -90.089793 Long. to 35.075315 Lat., -90.089719 Long.) is a perennial stream.

Forested wetland W-NR07-001
Latitude: 35.064897 Longitude: -90.096885
W-NR07-001 is located approximately 0.25-mile northwest of the intersection of Weaver Road and Nonconnah Road.

Forested wetland W-NR09-001
Latitude: 35.065641 Longitude: -90.094421
W-NR09-001 is located approximately 0.16-mile northwest of the intersection of Weaver Road and Nonconnah Road.

Emergent wetland W-NR11-001
W-NR11-001 is located approximately 0.63 mile southwest of the intersection of Rivergate Drive and Paul Lowery Road.

Emergent wetland W-NR11-006
W-NR11-006 is located near the west terminus of North Rivergate Road. It comprises approximately 0.11 acre within the permanent easement, and 0.02 acre within the temporary easement.

Scrub/shrub wetland W-NR13-001
Latitude: 35.078466 Longitude: -90.091025
W-NR13-001 is located near the west terminus of North Rivergate Road. It comprises approximately 0.12 acre within the temporary easement.

_Emergent wetland W-NR13-002_
Latitude: 35.070592 Longitude: -90.092977
W-NR13-002 is located approximately 0.59 mile southwest of the intersection of Rivergate Drive and Paul Lowery Road. It comprises approximately acre within the permanent easement, and acre within the temporary easement.

**EFFECTIVE DATE**  November 17, 2020

**EXPIRATION DATE**  November 16, 2025

________________________for  
Jennifer Dodd  
Director, Division of Water Resources
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PART I

Specific Impacts:

Temporary impacts to 2.294 acres within 6 wetlands. permanent conversion of 0.87 acres (2 wetlands) from PFO wetlands to PEM wetlands and 7 stream crossings (3 intermittent; 4 perennial).

<table>
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<tr>
<th>Feature ID Type</th>
<th>Avoided Impacts</th>
<th>Conversion Impacts (ac)</th>
<th>Temporary Impacts(ac)</th>
<th>Total Acres</th>
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Specific Conditions:

a. Impacts to all perennial streams will be minimized using HDD construction methods and no work will take place within the OHWMs of these streams. Intermittent and ephemeral streams, as well as wet weather conveyances (WWCs) are planned for open trench crossings. Construction within these stream OHWMs will occur when dry, if possible. If not possible, cofferdams or other diversion methods will be used. All stream channels, beds, and substrates will be returned to preconstruction elevations, contours, and stabilized by revegetation after construction. No permanent stream channel alterations will occur as a result of this project.

b. Inadvertent Return Contingency Plans have been prepared and will be implemented during construction by the HDD contractors. Although palustrine forested wetlands (PFOs) within the Tennessee segment of the project are to be bored, some clearing will be necessary for the positioning of equipment used for boring beneath adjacent or nearby features. Areas within the permanent right-of-way (ROW) will experience continued woody vegetation management. As such, approximately 0.87 acres will be permanently converted from PFO to palustrine emergent (PEM) wetland. All palustrine emergent wetlands (PEMs) and scrub-shrub wetlands (PSSs) will be open cut and returned to preconstruction contours with staged topsoil redistributed and allowed to natural regenerate to preconstruction conditions. Construction will employ best
management practices (BMPs) for clearing vegetation, re-establishing contours, and restoring permanent vegetation.

c. Construction will follow the general conditions of the USACE Nationwide Permit program and TDEC General ARAP for Utility Line Crossings, including the use of mats by heavy equipment to minimize soil disturbance.

d. Any proposed in-stream equipment shall be free of noticeable leaks of fluids and oils; e.g., hydraulic, transmission, crankcase, and engine coolant, fluids, and oils.

e. This permit does not authorize any discharge of pollutants to waters of the state from the pipeline. Appropriate steps shall be taken to ensure that petroleum products or other chemical pollutants are prevented from entering waters of the state. Inadvertent Return Contingency Plans will be prepared by participating construction contractors and will be implemented during construction by the HDD contractors. All spills must be reported to the appropriate emergency management agency, and the Memphis Environmental Field Office and measures shall be taken immediately to prevent the pollution of waters of the state, including groundwater, should a spill occur.

f. The use of monofilament-type erosion control netting or blanket is prohibited.

g. Best Management Practices (BMPs) shall be stringently implemented throughout the construction period to prevent sediments, oils, or other project-related pollutants from being discharged into waters of the state.

h. Drilling fluid shall primarily be composed of bentonite and water and no toxic substances may be used.

i. All perennial streams will be avoided using HDD construction methods and no work will take place within the OHWMs of these streams. Intermittent and ephemeral streams, as well as WWCs are planned for open trench crossings. Construction will begin with surveying and staking the workspace. Sedimentation control BMPs will be installed before vegetation is cleared and topsoil is segregated. The pipeline centerline will then be re-staked, the trench excavated, and pipe laid before refilling the trench. All stream channels, beds, and substrates will be returned to pre-construction elevations, contours, and stabilized by revegetation after construction. No stream channel alterations will occur as a result of this project. Construction within these stream OHWMs will occur when dry if possible. If not possible, cofferdams or other diversion methods will be used. Inadvertent Return Contingency Plans will be prepared by participating construction contractors and will be implemented during construction by the HDD contractors.

j. PFOs within the Tennessee segment of the project are to be bored, some clearing will be necessary for the positioning of equipment used for boring beneath adjacent or nearby features. Areas within the permanent ROW will experience continued woody vegetation management. As such, approximately 0.87 acres will be permanently converted from PFO to PEM wetland. All PEMs and PSSs will be returned to pre-construction contours with staged topsoil redistributed and allowed to natural regenerate to pre-construction conditions. Construction will employ BMPs for clearing vegetation, re-establishing contours, and restoring permanent vegetation.

k. Construction will follow the general conditions of the USACE Nationwide Permit program and TDEC General ARAP for Utility Line Crossings, including the use of mats by heavy equipment.
to minimize soil disturbance, and the use of appropriate soil erosion and sediment controls to prevent sedimentation.

General Conditions:

a. It is the responsibility of the applicant to convey all terms and conditions of this permit to all contractors. A copy of this permit, approved plans and any other documentation pertinent to the activities authorized by this permit shall be maintained on site at all times during periods of construction activity.

b. Work shall not commence until the applicant has received the federal section 404 permit from the U. S. Army Corps of Engineers, a section 26a permit from the Tennessee Valley Authority, or authorization under a Tennessee NPDES Storm Water Construction Permit where necessary. The applicant is responsible for obtaining these permits.

c. The work shall be accomplished in conformance with the accepted plans, specifications, data, and other information submitted in support of application NRS 20.089 and the limitations, requirements and conditions set forth herein.

d. All work shall be carried out in such a manner as will prevent violations of water quality criteria as stated in Rule 0400-40-03-.03 of the Rules of the Tennessee Department of Environment and Conservation. This includes, but is not limited to, the prevention of any discharge that causes a condition in which visible solids, bottom deposits, or turbidity impairs the usefulness of waters of the state for any of the uses designated by Rule 0400-40-04. These uses include fish and aquatic life (including trout streams and naturally reproducing trout streams), livestock watering and wildlife, recreation, irrigation, industrial water supply, domestic water supply, and navigation.

e. Impacts to waters of the state other than those specifically addressed in the plans and this permit are prohibited. All streams, springs, and wetlands shall be fully protected prior, during, and after construction until the area is stabilized. Any questions, problems or concerns that arise regarding any stream, spring or wetland either before or during construction, shall be addressed to the Division of Water Resources Memphis Field Office (901-371-3000) or the permit coordinator in the division’s Natural Resources Section (615-532-0712).

f. Adverse impact to formally listed state or federal threatened or endangered species or their critical habitat is prohibited.

g. This permit does not authorize adverse impacts to cultural, historical, or archeological features or sites.

h. Temporary or permanent soil stabilization shall be accomplished within 15 days after final grading or other earth work. Permanent stabilization with perennial vegetation or other permanently stable, non-eroding surface shall replace any temporary measures as soon as practicable.

i. All permanent plantings are to be of native or non-exotic-invasive species. Note that native grasses take longer to germinate and mature than invasive exotics such as tall fescue. A temporary cover crop such as annual winter wheat or rye shall be sown to quickly establish and maintain cover until native grasses can establish themselves. A list of native species may be found at: Landscaping with Natives; http://www.tneppc.org/pages/landscaping#native_plants or in the Tennessee Erosion & Sediment Control Handbook; http://www.tnepsc.org/handbook.asp.
PART II

Mitigation Requirements and Procedures

a. Compensatory wetland mitigation for impacts to wetlands shall be compensated at 2:1 for conversion of 0.87 moderately functional forested wetlands. Compensatory wetland mitigation shall occur with the purchase of at least 1.74 credits from the Tennessee Mitigation Fund, Southwest TN Service Area.

b. Please be advised that the wetland impacts associated with this mitigation are not authorized to proceed until the specified mitigation credits have been purchased.

c. Payment must be made within 60 days of invoice. **Proof of credit purchase shall be submitted to this office within 30 days of payment.** With the purchase of the wetland mitigation credits, legal responsibility for completion of the credits of the wetland mitigation is legally transferred to the Tennessee Mitigation Fund.

Monitoring Requirements and Procedures

a. The permittee shall submit periodic reports during construction on the status of the stream and wetland crossings.

b. The permittee shall restore all temporary stream and wetland impacts to pre-existing conditions. All crossing locations shall be monitored for two years and a report submitted annually to this office that confirms the removal of all temporary matting, and restoration of the crossing points on streams and all disturbed wetland areas.

Submission of Monitoring Results

a. A monitoring report shall be due by October 31st following the year that the temporary crossings are removed. Failure to submit the report may result in enforcement actions and civil penalties.

b. All monitoring reports and information shall be submitted in report-form to the division’s Natural Resources Unit, located in the William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Ave., 11th Floor, Nashville, TN 37243.

Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation shall be retained for a minimum of five (5) years, or longer, if requested by the Division of Water Resources.
Falsifying Results and/or Reports

Knowingly making any false statement on any report required by this permit or falsifying any result may result in the imposition of criminal penalties as provided for in section 309 of the Federal Water Pollution Control Act, as amended, and in section 69-3-115 of the Tennessee Water Quality Control Act.

PART III

Duty to Reapply

If any portion of the permitted activities, including the authorized impacts to water resources, compensatory mitigation requirements, or post-project monitoring is not completed before the expiration date of this permit the applicant must apply for permit re-issuance. The permittee shall submit such information and forms as are required to the director of the Division of Water Resources at least ninety (90) days prior to its expiration date. Such applications must be properly signed and certified.

Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations.

Other Information

If the permittee becomes aware that he/she failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Director, then he/she shall promptly submit such facts or information.

Changes Affecting the Permit

Transfer/Change of Ownership

a. This permit may be transferred to another party, provided there are no activity or project modifications, no pending enforcement actions, or any other changes which might affect the permit conditions contained in the permit, by the permittee if:

b. The permittee notifies the Director of the proposed transfer at least 30 days in advance of the proposed transfer date;

c. The notice includes a written agreement between the existing and new permittees containing a specified date for transfer of permit responsibility, coverage, and contractual liability between them; and the Director does not notify the current permittee and the new permittee, within 30 days, of her intent to modify, revoke, reissue, or terminate the permit, or require that a new application be filed rather than agreeing to the transfer of the permit.

d. The permittee must provide the following information to the division in their formal notice of intent to transfer ownership:

1. permit number of the subject permit;
2. the effective date of the proposed transfer;
3. the name and address of the transferor;
4. the name and address of the transferee;
5. the names of the responsible parties for both the transferor and transferee;
6. a statement that the transferee assumes responsibility for the subject permit;
7. a statement that the transferor relinquishes responsibility for the subject permit;
8. the signatures of the responsible parties for both the transferor and transferee, and; a statement regarding any proposed modifications to the permitted activities or project, its operations, or any other changes which might affect the permit conditions contained in the permit.

Change of Mailing Address

The permittee shall promptly provide to the Director written notice of any change of mailing address. In the absence of such notice the original address of the permittee will be assumed to be correct.

Noncompliance

Effect of Noncompliance

All discharges shall be consistent with the terms and conditions of this permit. Any permit noncompliance constitutes a violation of applicable State and Federal laws and is grounds for enforcement action, permit termination, permit modification, or denial of permit reissuance.

Reporting of Noncompliance

24-Hour Reporting

a. In the case of any noncompliance which could cause a threat to public drinking supplies, or any other discharge which could constitute a threat to human health or the environment, the required notice of non-compliance shall be provided to the Division of Water Resources in the appropriate Environmental Field Office within 24-hours from the time the permittee becomes aware of the circumstances. (The Environmental Field Office should be contacted for names and phone numbers of environmental response personnel).

b. A written submission must be provided within five (5) days of the time the permittee becomes aware of the circumstances unless this requirement is waived by the Director on a case-by-case basis. The permittee shall provide the Director with the following information:

1. A description of the discharge and cause of noncompliance;
2. The period of noncompliance, including exact dates and times or, if not corrected, the anticipated time the noncompliance is expected to continue; and
3. The steps being taken to reduce, eliminate, and prevent recurrence of the non-complying discharge.
Scheduled Reporting

For instances of noncompliance which are not reported under subparagraph a. above, the permittee shall report the noncompliance by contacting the permit coordinator, and provide all information concerning the steps taken or planned to reduce, eliminate, and prevent recurrence of the violation and the anticipated time the violation is expected to continue.

Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the waters of Tennessee resulting from noncompliance with this permit, including but not limited to, accelerated or additional monitoring as necessary to determine the nature and impact of the noncompliance. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

Liabilities

Civil and Criminal Liability
Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance. Notwithstanding this permit, the permittee shall remain liable for any damages sustained by the State of Tennessee, including but not limited to, fish kills and losses of aquatic life and/or wildlife, as a result of the discharge of pollutants to any surface or subsurface waters. Additionally, notwithstanding this Permit, it shall be the responsibility of the permittee to conduct its discharge activities in a manner such that public or private nuisances or health hazards will not be created.

Liability under State Law
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or the Federal Water Pollution Control Act, as amended.

This permit does not preclude requirements of other federal, state or local laws. This permit also serves as a State of Tennessee Aquatic Resource Alteration Permit (ARAP) pursuant to the Tennessee Water Quality Control Act of 1977 (T.C.A. § 69-3-101 et seq.).

The State of Tennessee may modify, suspend or revoke this permit or seek modification or revocation should the state determine that the activity results in more than an insignificant violation of applicable water quality standards or violation of the act. Failure to comply with permit terms may result in penalty in accordance with T.C.A. § 69-3-115.

An appeal of this action may be made as provided in T.C.A. § 69-3-105(i) and Rule 0400-40-03-.12 by submitting a petition for appeal. This petition must be filed within THIRTY (30) DAYS after public notice of the issuance of the permit. The petition must specify what provisions are being appealed and the basis
for the appeal. It should be addressed to the technical secretary of the Tennessee Board of Water Quality, Oil and Gas at the following address: Jennifer Dodd, Director, Division of Water Resources, 11th Floor William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, Nashville, Tennessee 37243, or you may submit such petition electronically to TDEC.Appeals@tn.gov.

Any hearing would be in accordance with T.C.A. §§ 69-3-110 and 4-5-301 et seq.

Appendix 1

Topographic Map
### Determined Waters of the State Impact Summary

<table>
<thead>
<tr>
<th>Feature ID</th>
<th>Type</th>
<th>Avoided Impacts</th>
<th>Conversion Impacts (ac)</th>
<th>Temporary Impacts (ac)</th>
<th>Total Acres within Footprint</th>
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<td>Intermittent Stream</td>
<td>0.011</td>
<td>0</td>
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<tr>
<td>S-NR01-029</td>
<td>Intermittent Stream</td>
<td>0.015</td>
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<td>S-NR07-001</td>
<td>Perennial Stream</td>
<td>0.142</td>
<td>0</td>
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<tr>
<td>S-NR11-002</td>
<td>Perennial Stream</td>
<td>0.040</td>
<td>0</td>
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<tr>
<td>S-NR11-012</td>
<td>Perennial Stream</td>
<td>0.793</td>
<td>0</td>
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<td>0.793</td>
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</tbody>
</table>

6.6 In the case of wetlands, include a wetland delineation with delineation forms and site map denoting location of data photo.

On behalf of Byhalia Pipeline LLC, SWCA Environmental Consultants (SWCA) conducted an
SWCA biologists performed a delineation of waters of the U.S. within a 300-foot-wide survey corridor along the approximately 49.66-mile route of the proposed Byhalia Connection Pipeline Project during the months of August 2019 through March 2020.

Within the USACE Memphis District, SWCA delineated a total of six PEM wetlands, four PFO wetlands, one PEM/PFO wetland, and two PEM wetlands within the proposed pipeline survey corridor. Additionally, SWCA identified and delineated 19 ephemeral streams, nine intermittent streams, four perennial streams, nine ponds, and eight wet weather conveyances. Table 5 provides the total acreages of each type of wetland and waterbody feature delineated within the pipeline survey corridor.

Table 5. Delineation Summary for the Proposed Pipeline Survey Corridors

<table>
<thead>
<tr>
<th>Feature Type</th>
<th>Total Acreage within Survey Corridor</th>
<th>Total Acreage within Footprint</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEM Wetlands</td>
<td>2.040</td>
<td>1.455</td>
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<tr>
<td>PSIS Wetlands</td>
<td>0.161</td>
<td>0.123</td>
</tr>
<tr>
<td>PFO Wetlands</td>
<td>5.608</td>
<td>2.153</td>
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<tr>
<td>Wetland Total</td>
<td>9.414</td>
<td>3.781</td>
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<tr>
<td>Ephemeral Streams</td>
<td>0.453</td>
<td>0.112</td>
</tr>
<tr>
<td>Intermittent Streams</td>
<td>0.495</td>
<td>0.074</td>
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<tr>
<td>Perennial Streams</td>
<td>5.887</td>
<td>1.060</td>
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<tr>
<td>Stream Total</td>
<td>6.836</td>
<td>1.246</td>
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<tr>
<td>Pond Total</td>
<td>2.787</td>
<td>0.100</td>
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</tbody>
</table>

All wetlands and waterbodies delineated within the proposed project area are potentially subject to USACE jurisdiction under Section 404 of the CWA. The scope of this delineation effort was to ascertain the presence of potential jurisdictional areas. In SWCA’s professional opinion, physical features delineated during this effort may be considered waters of the U.S. (e.g., wetlands and waterbodies); however, this report is not a legal