

Aquatic Resources Impact Table

Wetland Resources

Bucks County

Identification			Location					Wetland Temporary Impacts			Wetland Permanent impacts			Crossing Information		
Wetland ID and Crossing Number ¹	State Wetland Classification ²	Cowardin Classification ³	Milepost ⁴	Latitude	Longitude	Municipality ⁵	Quadrangle	Temporary Crossing Length (feet) ⁶	Temporary Crossing Width (feet) ⁷	Temporary Impact Area (acres) ⁸	Permanent Crossing Length (feet) ⁹	Permanent Crossing Width (feet) ¹⁰	Permanent Impact Area (acres) ¹¹	Primary Pipeline Crossing Method ¹²	Secondary Pipeline Crossing Method ¹²	Temporary Equipment Crossing ¹²
110714_JC_001_PFO	Other	PFO1	77.5	40.5843039	-75.19682907	Durham	Riegelsville	-	-	-	64	3	0.004	CL - HDD	-	-
TOTAL IMPACTS								-	-	-	64	3	0.004			

Notes:

- In instances where a wetland is crossed by the proposed pipeline or workspace multiple times, crossing numbers (e.g. "-1", "-2") have been added to the Wetland ID.
- Resource Value Definitions: Pennsylvania Exceptional Value Wetland as defined by PA Code §105.17 (relating to special criteria for projects affecting important wetlands). Criteria are:
 - Serves as habitat for fauna or flora listed as "threatened" or "endangered"
 - Is hydrologically connected to or located within a 1/2-mile from habitat for fauna or flora listed as "threatened" or "endangered" and wetland dependent;
 - Located in or along the floodplain of the reach or tributaries of a wild trout stream or waters listed as exceptional value;
 - Located along an existing public or private drinking water supply.
- Wetland Cover Type based on Cowardin, 1979
 Key: PEM1 = palustrine emergent, persistent; PEM2 = palustrine emergent, non-persistent; PFO1 = palustrine forested, broad-leaved deciduous; PFO4 = palustrine forested, needle-leaved evergreen; PSS1 = palustrine scrub-shrub, broad-leaved deciduous; PSS3 = palustrine scrub-shrub, broad-leaved evergreen.
- All route deviations implemented after the FERC Certificate Application are denoted with an "R" and indicate a MP equation. MPs with an "R1" indicate route deviations implemented and provided to FERC prior to the issuance of the DEIS. MPs with an "R2" indicate route deviations implemented as part of the September 2016 Route Update. MPs with an "R3" indicate route deviations implemented post-FERC Certificate issuance. All MPs without an "R" indicate that the route has not changed since the Certificate Application.
- Sources: PennDOT Pennsylvania municipality boundaries, dated 1/2017 and PennDOT Pennsylvania county boundaries, dated 7/2018. Available at www.pasda.psu.edu.
- Temporary crossing lengths are measured within the temporary workspace parallel to the pipeline or along the access road centerline. A "-" denotes there are no impacts to the wetland within the temporary workspace.
- Temporary crossing widths are measured within the temporary workspace perpendicular to the pipeline or access road centerline. A "-" denotes there are no impacts to the wetland within the temporary workspace.
- Temporary impact acres are measured within the temporary workspace and additional temporary workspace; the measurement does not include acreages impacted within the permanent ROW. A "-" denotes no impacts to the wetland.
- Permanent crossing lengths are measured along the pipeline centerline, as applicable. In instance where the pipeline does not cross a wetland, the permanent crossing length was measured along the edge of the permanent ROW or permanent aboveground facility. A "-" denotes there are no impacts to the wetland within the permanent ROW.
- Permanent crossing widths are the width of the permanent workspace, as applicable. In instances where the full permanent workspace does not cross a wetland the permanent crossing width was measured at the widest point of the wetland that intersected the permanent workspace.
- Permanent impact acres are measured within the permanent ROW or within an aboveground facility footprint. For HDDs and bores, the permanent impact is calculated as the length of the crossing times the pipe diameter. A "-" denotes no impacts to the watercourse or floodway, as applicable.
- Crossing Type Key for Wetlands:
 - CL-Bore = Pipeline centerline crosses under wetland. Construction method is bore.
 - CL-HDD = Pipeline centerline crosses under wetland. Construction method is HDD.
 - CL-Open Cut = Pipeline centerline impacts wetland. Construction method is open cut.
 - Matted = Wetland will be matted for temporary equipment crossing.
 - N/A = Not affected by pipeline construction.
 - N/A-Workspace = Pipeline trench does not impact wetland.
 - "-" = No alternative construction method is proposed.