

Aquatic Resources Impact Table  
Wetland Resources  
Bucks County

Identification			Location					Wetland Temporary Impacts		Wetland Permanent Impacts			Crossing Information		
Wetland ID and Crossing Number <sup>1</sup>	State Wetland Classification <sup>2</sup>	Cowardin Classification <sup>3</sup>	Milepost <sup>4</sup>	Latitude	Longitude	Municipality <sup>5</sup>	Quadrangle	Temporary Crossing Length (feet) <sup>6</sup>	Temporary Impact Area (acres) <sup>7</sup>	Permanent Crossing Length (feet) <sup>8</sup>	Permanent Impact Area (acres) <sup>9</sup>	Conversion Area in 30-ft Maintained ROW (acres) <sup>10</sup>	Primary Pipeline Crossing Method <sup>11</sup>	Secondary Pipeline Crossing Method <sup>11</sup>	Temporary Equipment Crossing <sup>11</sup>
PennEast Mainline Pipeline															
110714_JC_001_PFO	Other	PFO1	77.5	40.584304	-75.196829	Durham Twp	Riegelsville	-	-	65	0.00	-	CL - HDD	-	-
Access Roads															
None															

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](http://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 impact acres are measured within the temporary workspace and additional temporary workspace; the measurement does not include acreages impacted within the 50' permanent ROW. A value of 0.00 denotes impact acreages less than 0.005 acres. 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 50' permanent ROW or permanent aboveground facility. A "-" denotes there are no impacts to the wetland within the permanent ROW.
- Permanent impact acres are measured within the 50' 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 value of 0.00 denotes impact acreages less than 0.005 acres. A "-" denotes no impacts to the watercourse or floodway, as applicable.
- A 30' wide ROW will be maintained through PFO and PSS wetlands, resulting in the conversion of PFO and PSS to PEM wetlands.
- 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.