

**Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000**

**Implementation Plan
December 2017 Supplement**

Attachment IP-23c

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Comparison of Pigg River HDD Alignment and Original Alignment a/ b/

Category	HDD Alignment	Original Alignment
Total length (miles)	1.28	1.28
Length adjacent to existing right-of-way (miles)	0.11	0.11
Land disturbed within construction right-of-way (acres)	23.42	22.89
Land disturbed within operation right-of-way (acres)	2.97	8.03
Non-typical work areas required (acres)	2.85 <u>c/</u>	0.00
Land Use		
National Forest System lands crossed (miles)	0.00	0.00
National Forest Wilderness Area crossed (miles)	0.00	0.00
Residences within 50 feet of construction workspace (number)	0	0
Agricultural land (acres)	2.35	4.58
Populated areas within 0.5 mile (number)	0	0
Landowner parcels crossed (number)	10	10
Resources		
Forested land affected (acres)	15.18	17.67
Interior Forest affected during construction (acres)	13.78	17.02
Wetlands (NWI) crossed (acres)	0.98	0.75
Forested wetlands (NWI) affected (acres) <u>d/</u>	0.98	0.64
Perennial waterbody crossings (number) <u>d/</u>	2	2
Major waterbody crossings (crossing width > 100 feet) (number)	1 <u>e/</u>	1
Total length of all waterbody crossings (feet)	120 <u>e/</u>	120
Known archaeological or historic sites within 0.5 mile (number) <u>f/</u>	3	3
Surface waterbodies designated as public drinking water supply crossed (number)	0	0
Springs and domestic water supply wells within 150 feet of the centerline (number)	0	0
Steep slope (20% threshold) crossed (acres)	3.40	5.29
Side slope crossed (miles)	0.00	0.00
Shallow bedrock crossed (acres)	0.00	0.00
Karst (miles)	0.00	0.00
Known karst features, sinkholes, or caves within 50 feet of the construction right-of-way (number)	0	0
Notes:		
<u>a/</u> Length of the Pigg River HDD is approximately 4,185 feet. The comparison assumes there will be no surface impacts for the HDD distance.		
<u>b/</u> Impacts are additive; meaning they include both temporary and permanent impacts.		
<u>c/</u> Additional workspace required for HDD.		
<u>d/</u> Impacts are also included in overall NWI wetland impacts and are not additive.		
<u>e/</u> Includes the Pigg River, however there will be no impacts as the river will be crossed via HDD.		
<u>f/</u> All sites are non-eligible.		