

MVP Variance Request Form

Variance Request



No.: B-17

Date Approval Requested by Contractor: 2/15/2019

Date Submitted by Chief Inspector to LEI: 2/17/2019

Date Received by FERC:

FERC Approval Reference No.:

Requested By: Brent Ladd

Spread: B

Variance Type: WS

Request Prepared By *: Megan Neylon

Variance Sequence Number: 017

* The FERC compliance monitor should be alerted and given a copy of the draft variance for review prior to submittal.

Location (Use either Station or Milepost)

Station: 3027+71 To: 3040+00 Milepost: 57.18 To: 57.40

Alignment Sheet Number: 63 Tract No.: WV-LE-110

Current Land Use/ Vegetative Cover: Deciduous Forest Other Agency Jurisdiction: N/A

Nearby Features (Water body, T&E Habitat, Wetland, Noxious Weed Area, Residence (distance), Cultural Resource Site (distance) etc.):

- ☐ Noxious Weed Area ☐ Raptor Nest ☐ Residence (Distance)
☒ T/E Species Habitat ☐ Cultural Resource Site ☐ Water Well
☐ Other (Specify):

In or w/in 50' of a wetland: ☐ Yes ☒ No

In or w/in 50' of a waterbody: ☐ Yes ☒ No

Wetland or Waterbody ID: N/A

N/A

Additional Stream footage impacted: 0.00 Additional Wetland acreage impacted: 0.00

Net acreage affected: + 1.40

Tree Clearing Required: YES Acreage of tree clearing: + 0.78

Variance Level: ☐ Level 1 ☐ Level 2 ☒ Level 3

Variance From: ☒ Permit ☐ Plan ☐ Procedures ☐ EPPM ☐ Specification ☐ Drawing ☐ Mitigation Measure

☐ Line List ☐ Other: Describe: N/A

Detailed Description of Variance: Attachments? ☒ Yes ☐ No Photos? ☐ Yes ☒ No

This variance adds MVP-ATWS-SM-041, MVP-ATWS-SM-042 & MVP-ATWS-SM-065 for slip remediation. No cultural resources, streams, or wetlands were found during surveys. This variance has a net increase of 1.40 acres of LOD from the original permit. There is a net tree clearing increase of 0.78 acres MYSO - Unknown Use Summer Habitat (UUSH). On January 29, 2018 the USFWS concurred with MVP's proposed process for reviewing variances that require tree clearing. Attachment 2 includes a table that shows MVP's acreage "banks" will remain net positive following approval of this variance request. Tree clearing is permitted to occur until June 1, 2019.

List Attachments: Attachment 1 - Alignment Sheet; Attachment 2 - Rare, Threatened, and Endangered Species Report; Attachment 3 - Stream and Wetland Delineation Report; Attachment 4 - Cultural Resource Reports and Concurrences (CUI//PRIV -- DO NOT RELEASE); Attachment 5 - Landowner Exhibits (CUI//PRIV -- DO NOT RELEASE); Attachment 6 - Variance Request Map

Variance Justification:

Necessary for slip remediation.

For MVP Use Only			
Additional Surveys Required		Surveyed Corridor Description	Additional Surveys Completed
Cultural Survey	☒ Yes ☐ No	The locations for this variance request were evaluated for cultural resources, waterbodies and wetlands, threatened and endangered species, and habitat. See the attached cover page list of reports.	☒ Yes ☐ No
T & E Survey	☒ Yes ☐ No		☒ Yes ☐ No
Waterbodies/Wetlands	☒ Yes ☐ No		☒ Yes ☐ No
Proof of Previous Biological and Cultural Survey Clearance See attachments 2 and 3 that describe rare, threatened, and endangered species surveys and stream and wetland delineations. USFWS Biological Opinion was issued on 10/31/2017. Additional survey conducted 10/17/2018. The cultural resources survey was reported in: Mountain Valley Pipeline Project, Cultural Resources Survey, Volume I, Wetzel, Harrison, Doddridge and Lewis Counties, West Virginia (Espino et.al. July 2015); Letter Report, Mountain Valley Pipeline Project, Slip Mitigation Workspaces MVP-ATWS-SM-040 and MVP-ATWS-SM-041 and WorkspaceMP 34.8 WS for Mat Retrieval. Request for Concurrence on Disturbance and No Further Survey Recommendation (Freedman October 2018). Filed with FERC 9/12/2015; 11/12/2018. Clearance received from WVDCH 10/6/2015; 11/7/2018. The Concurrence Letter is provided in Attachment 4.			
Landowner: Land Agent Contact Landowner Approval ☒ Yes ☐ No Obtained		REDACTED JANNA ARNOLD	
Sign Off:			
	Name	Signature	Date
Construction Manager	Kameron Barnhouse	Kameron Barnhouse	5/7/2019
Lead Environmental Inspector	Rodney Minney	Rodney Minney	5/7/2019
Third Party Compliance Manager or monitor			
ROW Land Agent *	Janna Arnold	Janna Arnold	5/7/2019
Environmental Supervisor	Megan Neylon	Megan Neylon	5/7/2019
*signature denotes confirmed landowner approval			

For FERC Compliance Monitor and Compliance Manager Use Only					
Variance Approved:			Variance Denied:		
Beyond Authority:					
Signature:					
Date:					
Stipulations:					
Spread No.: B			Variance Request No.: B-17		
VARIANCE CONDITIONS					
Name:			Title:		
Organization:					
Conditions:					
Name:		Title:		Organization:	
Conditions:					
Name:		Title:		Organization:	
Conditions:					

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

**Alignment Sheets
Attachment 1**

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN

ENVIRONMENTAL

PLAN VIEW

LEGEND

REFERENCE DRAWINGS

HORIZONTAL STATIONING

WORK SPACE

CONSTRUCTION METHOD

PROFILE

ISSUED FOR CONSTRUCTION

Mountain Valley PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE

COURT DIST., LEWIS CO., W.V.

STA. 3002+07 TO STA. 3059+82

PA-LEWV-H600-21

DATE OF PLOT: 03/21/19 10:21 AM

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

**Rare, Threatened, and Endangered Species Report
Attachment 2**

**Mountain Valley Pipeline Project
Variance B-17
January 8, 2019**

State and federal agencies identified areas where plant surveys were required. This variance does not occur in any of those areas.

There are no impacts to aquatic resources associated with this variance. Which infers there are no impacts to listed aquatic species.

The only avian species-specific presence-absence surveys required for the project are scrub-shrub habitat-specific in the state of Virginia, thus do not apply to this variance area.

The modification of the tree clearing results in a net increase of 0.78 acres MYSO - Unknown Use Summer Habitat (UUSH). Tree clearing will not occur between June 1st - July 31st and October 1st - November 14th as per the BO. On January 29, 2018 the USFWS concurred with MVP's proposed process for reviewing variances that require tree clearing. Attachment 2 includes a table that shows MVP's acreage "banks" will remain net positive following approval of this variance request.

On 10/12/2015, 11/17/2015, and 10/17/2018 Environmental Solutions and Innovations, Inc. (ESI) conducted field surveys to search for portal openings (winter bat habitat). Surveys were conducted in accordance with agency approved protocols for the project. No portal openings were observed in the variance area.

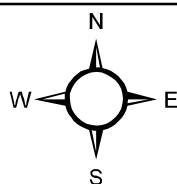


 MVP Variance

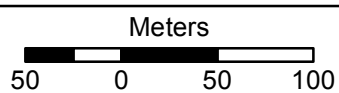
 Parcel Boundary

 MVP LOD

 ESI Portal Coverage



Mountain Valley Pipeline Variance Survey Exhibit; Variance B-17



Base Map: ESRI "World Imagery";
accessed 3/21/2019

Table 1
Bat Habitat Bank Acreage

	MYSO - Known Summer Use Habitat (acres)	MYSO - Known use spring staging/fall swarming habitat (acres)	MYSO - Suitable Unoccupied Summer Habitat (acres)	MYSO - Unknown use spring staging/fall swarming habitat (acres)	MYSO - Unknown Use Summer Habitat (acres)	NLEB known use spring staging/fall swarming habitat (acres)
Remaining bank acreage from IP-5 table	0.37	1.47	13.04	6.81	13.79	0.59
Bradshaw ATWS	0.02	0.00	0.00	0.00	0.00	0.00
ATWS 1544	0.03	0.00	0.00	0.00	0.00	0.00
ATWS 1545	0.10	0.00	0.00	0.00	0.00	0.00
LY-27	0.00	0.00	0.00	0.00	0.15	0.00
LY-45/46	0.00	0.00	0.00	0.00	0.05	0.00
Variance A-4 - MP 24.6	0.00	0.00	0.00	0.00	0.06	0.00
Bradshaw Slip Repair Phase 1	0.01	0.00	0.00	0.00	0.00	0.00
Variance A-5 - MP 28.97	0.00	0.00	-0.51	0.00	0.09	0.00
Variance H-3 - MP 234.85	0.00	0.00	0.91	0.00	0.00	0.00
Variance F-3 - MP 159.27	0.00	0.00	-0.42	0.00	0.00	0.00
Variance H-2 - MP 240.00	0.00	0.00	0.09	0.00	2.74	0.00
Variance E-4 - LY-058	0.00	0.00	0.00	0.00	0.01	0.00
Variance E-5 - MP 133.46	0.00	0.00	0.27	0.00	0.00	0.00
Variance I-2 - MP-268.8	0.00	0.00	0.00	0.00	0.45	0.00
Variance I-4 - MP 300.7	0.00	0.00	0.00	0.00	0.18	0.00
Variance G-3 - MP 224.1	0.00	0.00	0.00	1.67	0.00	0.00
Variance B-2 - MP 42.7	0.00	0.00	1.45	0.00	0.00	0.00
Variance H-5 - MP 257.9 & 258.2	0.00	0.00	0.39	0.00	0.00	0.00
Variance I-5 - MP 261.47	0.00	0.00	-0.25	0.00	0.00	0.00
Variance H-6 - MP 235.58	0.00	0.00	0.39	0.00	0.20	0.00
Variance F-6 - MP 176.8	0.00	0.00	0.00	0.00	0.08	0.00
Variance D-4 - MP 110.1	0.00	0.00	0.08	0.00	0.00	0.00
Variance E-6 - MP 143.9	0.00	0.00	0.00	0.00	0.08	0.00
Variance F-5 MP 166.07	0.00	0.00	0.24	0.00	0.00	0.00
Variance D-7 - MP 119.0	0.00	0.00	2.64	0.00	0.00	0.00
Variance D-6 - MP 115.74 & 115.85	0.00	0.00	1.22	0.00	0.00	0.00
Variance B-3 - MP 60.29	0.00	0.00	0.01	0.00	0.27	0.00
Variance C-6 - MP 79.46	0.00	0.00	0.00	0.00	-0.21	0.00
Variance C-2 - MP 82	0.00	0.00	0.00	0.00	1.11	0.00
Bradshaw Phase II	0.01	0.00	0.00	0.00	0.00	0.00
Variance A-11 (MP 23.8)	0.00	0.00	0.00	0.00	0.30	0.00
Variance I-10 (MP 266.3)	0.00	0.00	0.00	0.00	-0.64	0.00
Variance A-12 (MP 6.8)	0.01	0.00	0.00	0.00	0.00	0.00
Variance B-7 (MP 60.07)	0.00	0.00	0.00	0.00	1.51	0.00
Variance A-15 (MP 12)	0.00	0.00	0.00	0.00	0.19	0.00
Variance H-7 (MP 238.3) - Transco Credit	0.00	0.00	-11.25	0.00	0.00	0.00
Variance H-7 (MP 238.3)	0.00	0.00	8.37	0.00	0.27	0.00
Variance I-12 (LY-035 Ext)	0.00	0.00	0.00	0.00	0.01	0.00
Variance H-9 (MP 237.5)	0.00	0.00	0.00	0.00	0.24	0.00
Variance D-17 (MP 108.17)	0.00	0.00	4.08	0.00	0.43	0.00
Variance E-10 (MP 149.45)	0.00	0.00	0.00	0.00	0.21	0.00
Variance C-10 (MP 68.4)	0.00	0.00	0.00	0.00	2.34	0.00
Variance C-11 (MP 86.3)	0.00	0.00	0.00	0.00	1.84	0.00

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	MYSO - Known Summer Use Habitat (acres)	MYSO - Known use spring staging/fall swarming habitat (acres)	MYSO - Suitable Unoccupied Summer Habitat (acres)	MYSO - Unknown use spring staging/fall swarming habitat (acres)	MYSO - Unknown Use Summer Habitat (acres)	NLEB known use spring staging/fall swarming habitat (acres)
Variance A-14 (MP 6.5)	0.05	0.00	0.00	0.00	0.00	0.00
Variance A-14 (MP 6.5) - MVP-WE-014 & ATWSs credit	-12.96	0.00	0.00	0.00	0.00	0.00
Variance A-14 (MP 6.5) - MVP-LY-024 credit	-0.86	0.00	0.00	0.00	0.00	0.00
Variance B-10 (MP 35.1)	0.00	0.00	0.34	0.00	0.00	0.00
Variance A-23 (MP 0.10)	0.87	0.00	0.00	0.00	0.00	0.00
Variance A-24 (MP 2.65)	0.82	0.00	0.00	0.00	0.00	0.00
Variance A-25 (MP 2.10)	1.20	0.00	0.00	0.00	0.00	0.00
Variance C-12 (MP 84.3)	0.00	0.00	0.00	0.00	1.45	0.00
Variance C-13 (MP 68.9)	0.00	0.00	0.00	0.00	0.33	0.00
Variance A-27 (MP 3.4)	0.16	0.00	0.00	0.00	0.00	0.00
Variance G-6 (MP 210.0)	0.00	0.37	0.00	0.00	0.00	0.00
Variance A-26 (MP 4.0)	1.92	0.00	0.00	0.00	0.00	0.00
Variance C-14 (MP 84.4)	0.00	0.00	0.00	0.00	0.15	0.00
Variance C-14 (MP 84.4) - MVP-LE-066.01 credit	0.00	0.00	0.00	0.00	-1.30	0.00
Variance A-29 (MP 1.9)	0.06	0.00	0.00	0.00	0.00	0.00
Variance A-30 (MP 3.9)	1.36	0.00	0.00	0.00	0.00	0.00
Variance G-7 (MP 199.52)	0.00	0.00	0.00	0.07	0.00	0.00
Variance B-11 (MP 52.6)	0.00	0.00	0.60	0.00	0.00	0.00
Variance B-13 (MP 50.3)	0.00	0.00	0.39	0.00	0.00	0.00
Variance A-20 (MP 5.7 - 6.0)	1.72	0.00	0.00	0.00	0.00	0.00
Variance Transco-1	0.00	0.00	0.11	0.00	0.00	0.00
Variance G-9 (MP 209.42)	0.00	0.29	0.00	0.00	0.00	0.00
Variance A-34 (MP 7.9)	0.42	0.00	0.00	0.00	0.00	0.00
Variance A-36 (MP 8.6)	0.11	0.00	0.00	0.00	0.00	0.00
Variance A-41 (MP 1.2)	0.22	0.00	0.00	0.00	0.00	0.00
Variance B-16 (MP 47.13)	0.00	0.00	0.00	0.00	0.31	0.00
Variance A-39 (MP 32.40)	0.00	0.00	0.00	0.00	0.59	0.00
Variance A-42 (MP 3.16)	0.08	0.00	0.00	0.00	0.00	0.00
Variance A-44 (MP 6.62)	0.14	0.00	0.00	0.00	0.00	0.00
Variance A-45 (MP 9.10)	0.04	0.00	0.00	0.00	0.00	0.00
Variance A-29 (MP 0.9)	0.30	0.00	0.00	0.00	0.00	0.00
Variance A-51 (MP 2.1)	0.29	0.00	0.00	0.00	0.00	0.00
Variance A-46 (MP 2.65)	0.02	0.00	0.00	0.00	0.00	0.00
Variance A-50 (MP 4.0)	0.87	0.00	0.00	0.00	0.00	0.00
Variance A-49 (MP 4.2)	0.56	0.00	0.00	0.00	0.00	0.00
Variance A-32 (MP 3.65)	1.29	0.00	0.00	0.00	0.00	0.00
Variance A-54 (MP 6.5)	0.08	0.00	0.00	0.00	0.00	0.00
Variance A-48 (MP 5.05)	0.09	0.00	0.00	0.00	0.00	0.00
Variance A-56 (MP 6.61)	0.001	0.00	0.00	0.00	0.00	0.00
Variance A-47 (MP 5.52)	0.04	0.00	0.00	0.00	0.00	0.00
Variance A-55 (MP 1.2)	0.48	0.00	0.00	0.00	0.00	0.00
Variance A-21 (MP 5.73)	1.40	0.00	0.00	0.00	0.00	0.00
Variance C-13 (MP 68.9) - Credit	0.00	0.00	0.00	0.00	-0.33	0.00
Variance B-22 (MP 46.84)	0.00	0.00	0.00	0.00	0.37	0.00
Variance A-40 (MP 32.5)	0.00	0.00	0.00	0.00	0.02	0.00

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Variance B-19 (MP 62.4)	0.00	0.00	0.00	0.00	0.09	0.00
Variance A-53 (MP 24.08)	0.00	0.00	0.00	0.00	0.10	0.00
MVP-NI-139 - Credit	0.00	0.00	0.00	0.00	-1.23	0.00
Variance A-38 (MP 15.52)	0.00	0.00	0.00	0.00	0.23	0.00
Variance B-17 (MP 51.22)	0.00	0.00	0.00	0.00	0.78	0.00
Net Remaining Acreage for variances to date	-0.581	0.81	3.89	5.07	0.27	0.59

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

**Waterbodies and Wetlands Report
Attachment 3**

Mountain Valley Pipeline Project

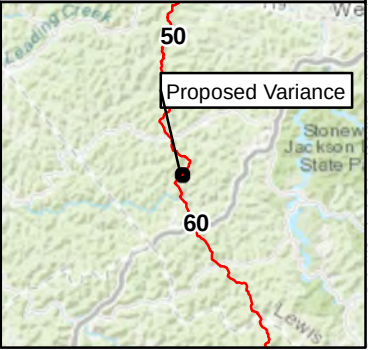
Variance B-17

January 8, 2019

On September 27, 2015 & October 16, 2018, Tetra Tech, Inc. (Tetra Tech) surveyed the proposed variance in Lewis Co., VA for wetlands and streams. Wetland delineations were conducted utilizing the Routine On-Site Determination Methodology presented in the US Army Corps of Engineers (USACE) Wetland Delineation Manual (Technical Report Y-87-1) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region (Version 2.0).

During field surveys, Tetra Tech did not identify any streams or wetlands in the variance area as shown on the attached figure.



Mountain Valley Pipeline Project		N ▲	NAD 1983 UTM 17N	1 inch = 100 feet	0 50 100 200 Feet
 Proposed Variance B-17 <i>Lewis County, West Virginia</i> January 2019	Legend				
	Proposed Variance Limit of Disturbance Issued for Construction LOD				
Data Sources: ESRI Streaming Data 2014.					



Mountain Valley Pipeline Project			NAD 1983 UTM 17N	1 inch = 100 feet	
Proposed Variance B-17 <i>Lewis County, West Virginia</i> March 2019		Legend - Issued for Construction LOD - Proposed Variance Limit of Disturbance			
Data Sources: ESRI Streaming Data 2014.					

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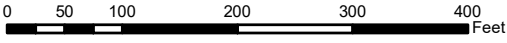
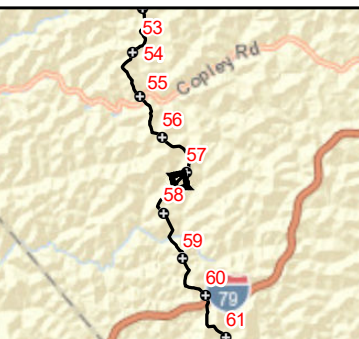
**Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000**

**Pipeline Variance
Request Map
Attachment 6**



Mountain Valley Pipeline Project		NAD 1983 UTM 17N	0 50 100 200 300 400 Feet
FERC Docket No. CP16-10-000 MVP Variance B-17 LEWIS COUNTY January 2019		Legend - Issued for Construction Milepost - Issued for Construction Route - Issued for Construction Limits of Disturbance - Parcel Boundary - Proposed Variance Additional Temporary Workspace	
Data Sources: ESRI Aerial Imagery, All Issued for Construction data was filed with FERC on 12/20/2017.			



Mountain Valley Pipeline Project  NAD 1983 UTM 17N 		
 FERC Docket No. CP16-10-000 MVP Variance B-17 LEWIS COUNTY March 2019	Legend  Issued for Construction Milepost  Issued for Construction Route  Issued for Construction Limits of Disturbance  Parcel Boundary  Proposed Variance Additional Temporary Workspace	
Data Sources: ESRI Aerial Imagery, All Issued for Construction data was filed with FERC on 12/20/2017.		

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