



625 Liberty Avenue, Suite 1700 | Pittsburgh, PA 15222
844-MVP-TALK | mail@mountainvalleypipeline.info
www.mountainvalleypipeline.info

November 7, 2018

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street NE
Washington, DC 20426

Re: Mountain Valley Pipeline, LLC
Docket No. CP16-10-000
Variance Request Nos. A-26, A-30 and G-7

Dear Ms. Bose:

On October 13, 2017, the Federal Energy Regulatory Commission issued an order granting a Certificate of Public Convenience and Necessity to Mountain Valley Pipeline, LLC. In this filing, Mountain Valley submits Variance Request Nos. A-26, A-30 and G-7.

If you have any questions, please do not hesitate to contact me at (412) 553-5786 or meggerding@eqt.com. Thank you.

Respectfully submitted,

MOUNTAIN VALLEY PIPELINE, LLC
by and through its operator,
EQM Gathering Opco, LLC

By: 
Matthew Eggerding
Senior Counsel, Midstream

Attachments

cc: All Parties
Paul Friedman, OEP
Lavinia DiSanto, Cardno, Inc.
Doug Mooneyhan, Cardno, Inc.

MVP Variance Request Form



Variance Request

No.:

A-26

Date Approval Requested by Contractor:

9/3/2018

Date Submitted by Chief Inspector to LEI:

9/5/2018

Date Received by FERC:

20181107-5122 FERC PDF (Unofficial) 11/7/2018 4:34:12 PM

FERC Approval Reference No.:

Requested By:

Brent Ladd

Spread:

A

Variance Type:

WS

Request Prepared By *:

Megan Neylon

Variance Sequence Number:

026

* 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:

220+00

To:

220+00

Milepost:

4.10

To:

4.10

Alignment Sheet Number:

5

Tract No.:

WV-WE-018.08

Current Land Use/ Vegetative Cover:

Deciduous Forest

Other Agency

Jurisdiction:

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):

MYSO (+ 1.92ac KUSH)

In or w/in 50' of a wetland:

☒ Yes ☐ No

In or w/in 50' of a waterbody:

☐ Yes ☒ No

Wetland or Waterbody ID:

W-DQ3, W-DQ4

N/A

Additional Stream
footage impacted:

0.00

Additional Wetland impacts:

0.00

Net acreage affected:

+ 1.92

Tree Clearing Required:

Yes

Acreage of tree
clearing:

+ 1.92

Variance Level:

☐ Level 1 ☐ Level 2 ☒ Level 3

Variance From:

☒ Permit ☐ Plan ☐ Procedures ☐ EPPM ☐ Specification ☐ Drawing ☐ Mitigation Measure

☐ Line List

☐ Other: Describe:

Detailed Description of Variance:

Attachments?

☒ Yes ☐ No

Photos?

☐ Yes ☒ No

This variance adds MVP-ATWS-SM-022 for slip remediation of Slide MVP-A-010. No Cultural Resources or Streams were found during delineations. Wetlands W-DQ3 & W-DQ4 were found during delineations inside of the variance ATWS. Material associated with this slip will be retrieved from these wetlands, if they have been impacted by the slip. This will be accomplished without tracking equipment in or installing timbermats through the wetlands thereby eliminating the intentional placement of fill into this system. This variance has a net increase of 1.92 acres of LOD from the original permit. There is a net increase in tree clearing of 1.92 acres. The modification of the tree clearing results in a net increase of 1.92 acres MYSO - Known Use Summer Habitat (KUSH). 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.

List Attachments:

Attachment 1-Alignment Sheet; Attachment 2- Rare, Threatened, and Endangered Species Report; Attachment 3- Waterbodies and Wetlands Report; Attachment 4- Cultural and Historic Resources (CUI//PRIV -- DO NOT RELEASE); Attachment 5- Landowner Exhibits (CUI//PRIV -- DO NOT RELEASE); Attachment 6 - Pipeline Variance Request Map

Variance Justification:

Resources have been avoided to the extent practicable. Per approved Project plans, BMPs will be installed to minimize impacts to any Environmentally Sensitive Areas within/abutting the area.

20181107-5122 FERC PDF (Unofficial) 11/7/2018 4:34:12 PM

For MVP Use Only			
Additional Surveys Required		Surveyed Corridor Description	Additional Surveys Completed
Cultural Survey	☒ Yes ☐ No	<i>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.</i>	☒ Yes ☐ No
T & E Survey	☒ Yes ☐ No		☒ Yes ☐ No
Waterbodies/Wetlands	☒ Yes ☐ No		☒ Yes ☐ No
Proof of Previous Biological and Cultural Survey Clearance			
<i>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 8/24/2018. The cultural resources survey was reported in: Mountain Valley Pipeline Project, Proposed Slip Mitigation Workspace MVP-ATWS-SM-020, MVP-ATWS-SM-021, MVP-ATWS-SM-022, and MVP-ATWS-SM-028, Request For Concurrence on Disturbance and No Further Survey (Freedman August 2018). Filed with FERC 9/7/2018 Clearance received from WVDCH 9/5/2018. The Concurrence Letter is provided in Attachment 4.</i>			
Landowner:		REDACTED	
Land Agent Contact		JANNA ARNOLD	
Landowner Approval Obtained		☒ Yes ☐ No	
Sign Off:			
	Name	Signature	Date
Construction Manager	<i>Brent Ladd</i>	<i>Brent Ladd</i>	10/24/2018
Lead Environmental Inspector	<i>Travis Huskins</i>	<i>Travis Huskins</i>	10/24/2018
Third Party Compliance Manager or monitor			
ROW Land Agent *	<i>Janna Arnold</i>	<i>Janna Arnold</i>	10/24/2018
Environmental Supervisor	<i>Megan Neylon</i>	<i>Megan Neylon</i>	10/24/2018
*signature denotes confirmed landowner approval			

20181107-5122 FERC PDF (Unofficial) 11/7/2018 4:34:12 PM

For FERC Compliance Monitor and Compliance Manager Use Only					
Variance Approved:			Variance Denied:		
Beyond Authority:					
Signature: _____					
Date: _____					
Stipulations: _____					
Spread No.: A Variance Request No.: A-26					
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**

**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 A-26
August 24, 2018**

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.

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 1.92 acres MYSO - Known Use Summer Habitat (KUSH). Tree clearing will not occur between April 1 and November 14 as per the BO.

On 02/12/2015 and 08/24/2018, 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 on the initial surveys.



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)
20181107 - 522	Remaining Bank Acreage from E-Tab 11	13.04	6.81	13.79	0.59		
7/2018 4:34:12 PM							
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

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)
Variance A-14 (MP 6.5) (Unofficial) 11/7/2018 4:34:12 PM			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
Net Remaining Acreage for variances to date	8.99	1.10	4.99	5.14	0.05	0.59

20181107-5122-FERC-PDF

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

**Waterbodies and Wetlands Report
Attachment 3**

Mountain Valley Pipeline Project

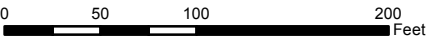
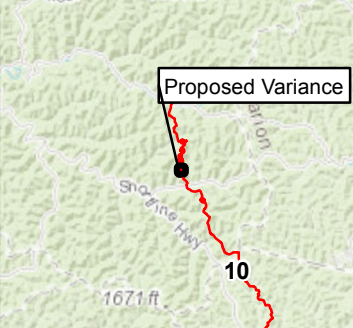
Variance A-26

August 28, 2018

On August 22, 2018, Tetra Tech, Inc. (Tetra Tech) surveyed the proposed variance in Wetzel Co., WV 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 but did identify two wetlands (W-DQ3 and W-DQ4) in the variance area as shown on the attached figure.



Mountain Valley Pipeline Project			
 Proposed Variance A-26 <i>Wetzel County, West Virginia</i> August 2018	 NAD 1983 UTM 17N 1 inch = 100 feet		
	Legend  Issued for Construction LOD  Proposed Variance Limit of Disturbance  PEM Wetland		
	Data Sources: ESRI Streaming Data 2014.		

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

**Pipeline Variance
Request Map
Attachment 6**

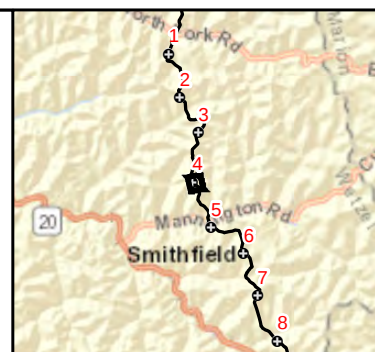
Data Sources: ESRI Aerial Imagery, All Issued for Construction data was filed with FERC on 12/20/2017.



NAD 1983 UTM 17N

Legend

-  Issued for Construction Milepost
 Issued for Construction Route
 Issued for Construction Limits of Disturbance
 Parcel Boundary
-  Proposed Variance
 Permanent Easement



MVP Variance Request Form



Variance Request

No.:

A-30

Date Approval Requested by Contractor:

9/18/2018

Date Submitted by Chief Inspector to LEI:

9/20/2018

Date Received by FERC:

20181107-5122 FERC PDF (Unofficial) 11/7/2018 4:34:12 PM

FERC Approval Reference No.:

Requested By:

Brent Ladd

Spread:

A

Variance

Type:

WS

Request Prepared By *:

Megan Neylon

Variance Sequence

Number:

028

* 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:

218+00

To:

218+00

Milepost:

3.90

To:

3.90

Alignment Sheet Number:

5

Tract No.:

WV-WE-018.08

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):

MYSO (+ 1.36 ac KUSH)

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 impacts:

0.00

Net acreage affected:

+ 1.36

Tree Clearing Required:

Yes

Acreage of tree

clearing:

+ 1.36

Variance Level:

☐ Level 1

☐ Level 2

☒ Level 3

Variance From:

☒ Permit

☐ Plan

☐ Procedures

☐ EPPM

☐ Specification

☐ Drawing

☐ Mitigation Measure

☐ Line List

☐ Other: Describe:

Detailed Description of Variance:

Attachments?

☒ Yes

☐ No

Photos?

☐ Yes

☒ No

This variance adds MVP-ATWS-SM-033 to repair slip MVP-A-034 that has traversed off ROW. No Cultural Resources were found during delineations. This variance has a net increase in 1.36 acres of LOD from the original permit. There is a net increase in tree clearing of 1.36 acres. The modification of tree clearing results in a net increase of 1.36 acres MYSO - Known Use Summer Habitat (KUSH). 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.

List Attachments:

Attachment 1-Alignment Sheet; Attachment 2- Rare, Threatened, and Endangered Species Report; Attachment 3- Waterbodies and Wetlands Report; Attachment 4- Cultural and Historic Resources Report (CUI/PRIV -- DO NOT RELEASE); Attachment 5- Landowner Exhibits (CUI/PRIV -- DO NOT RELEASE); Attachment 6- Pipeline Variance Request Map

Variance Justification:

Resources have been avoided to the extent practicable. Per approved Project plans, BMPs will be installed to minimize impacts to any Environmentally Sensitive Areas within/abutting the area.

20181107-5122 FERC PDF (Unofficial) 11/7/2018 4:34:12 PM

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 10/6/2018. The cultural resources survey was reported in: Mountain Valley Pipeline Project, Cultural Resource Survey, Volume I, Wetzel, Harrison, Doddridge, and Lewis Counties, West Virginia (Espino et al. July 2015); Mountain Valley Pipeline Project, Slip Mitigation Workspaces MVP-ATWS-SM-030 and MVP-ATWS-SM-033 and Workspace MVP-ATWS-200 (Ext). Request for Concurrence on Disturbance and No Further Survey Recommendation (Freedman October 2018). Filed with FERC 9/12/2015; Filed with FERC 10/30/2018. Clearance received from WVDCH 10/6/2015; 10/26/2018. The Concurrence Letter is provided in Attachment 4.				
Landowner:		REDACTED		
Land Agent Contact		JANNA ARNOLD		
Landowner Approval Obtained		☒ Yes ☐ No		
Sign Off:		Name	Signature	Date
Construction Manager		Brent Ladd	Brent Ladd	10/30/2018
Lead Environmental Inspector		Travis Huskins	Travis Huskins	10/30/2018
Third Party Compliance Manager or monitor				
ROW Land Agent *		Janna Arnold	Janna Arnold	10/30/2018
Environmental Supervisor		Megan Neylon	Megan Neylon	10/30/2018
*signature denotes confirmed landowner approval				

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For FERC Compliance Monitor and Compliance Manager Use Only					
Variance Approved:			Variance Denied:		
Beyond Authority:					
Signature: _____					
Date: _____					
Stipulations: _____					
Spread No.: A Variance Request No.: A-30					
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**

**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 A-30
October 12, 2018**

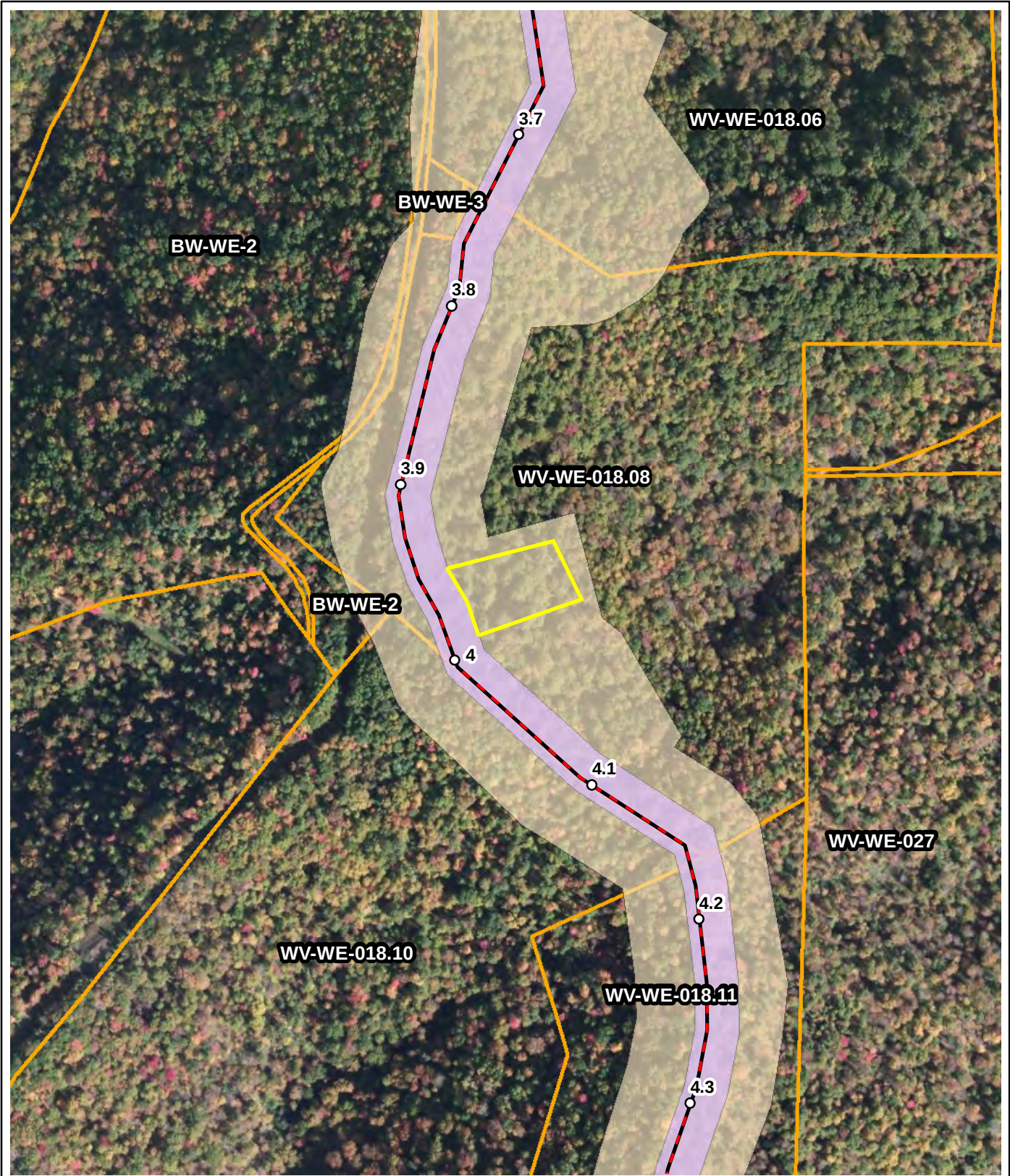
State and federal agencies identified areas where plant surveys were required. This variance does not occur in any of those areas.

There no impacts to aquatic resources associated with this variance.

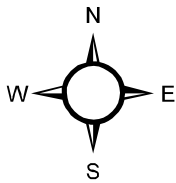
The only avian species-specific presence-absence surveys required for the project are scrub-shrub habitat-specific in the state of Virginia, thus do not apply to this variance area.

The modification of the tree clearing results in a net increase of 1.36 acres MYSO - Known Use Summer Habitat (KUSH). Tree clearing will not occur between April 1 and November 14 as per the BO.

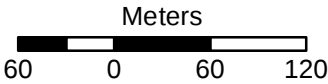
On 10/06/2018, Environmental Solutions and Innovations, Inc. (ESI) conducted field surveys to search for portal openings (winter bat habitat). Surveys were conducted in accordance with agency approved protocols for the project. No portal openings were observed in the variance area.



- MVP Variance
- ESI Portal Coverage
- MVP LOD (20171127)
- Parcel Boundary



Mountain Valley Pipeline Variance Survey Exhibit; Variance A-30



Base Map: ESRI "World Imagery (Clarity)";
accessed 10/12/2018

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)
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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
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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

Table 1
Bat Habitat Bank Acreage

20181107-5122-FERC-PDF (Unofficial) 11/7/2018 4:34:12 PM

	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)	0.00	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
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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
Net Remaining Acreage for variances to date	7.57	1.10	4.99	5.14	1.20	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

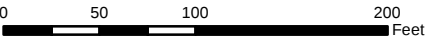
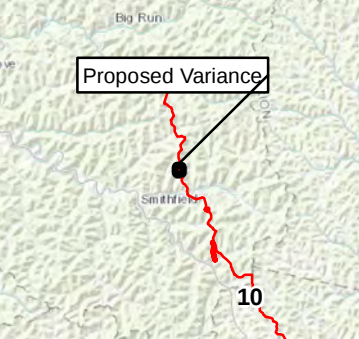
Variance A-30

October 12, 2018

On September 27, 2018, Tetra Tech, Inc. (Tetra Tech) surveyed the proposed variance in Wetzel Co., WV 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.

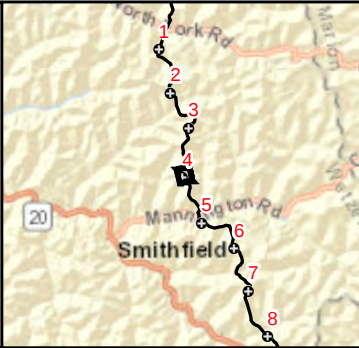


Mountain Valley Pipeline Project		 NAD 1983 UTM 17N 1 inch = 100 feet	
 Proposed Variance A-30 Wetzel County, West Virginia October 2018	Legend  Issued for Construction LOD  Proposed Variance Limit of Disturbance  Drainage  PEM Wetland		
	Data Sources: ESRI Streaming Data 2014.		

**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 A-30 WETZEL COUNTY October 2018	Legend		 Proposed Variance Additional Temporary Workspace		
	 Issued for Construction Milepost	 Issued for Construction Route			
	 Issued for Construction Limits of Disturbance	 Parcel Boundary			
Data Sources: ESRI Aerial Imagery, All Issued for Construction data was filed with FERC on 12/20/2017.					



MVP Variance Request Form

Variance Request No.: G-7

Date Approval Requested by Contractor: 4/10/2018

Date Submitted by Chief Inspector to LEI: 4/12/2018

Date Received by FERC:

FERC Approval Reference No.:

Requested By: Stan Layman

Spread: G

Variance Type: AR

Request Prepared By *: Megan Neylon

Variance Sequence Number: 007

* 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: 10544+50

To: 10544+50

Milepost: 199.52

To: 199.52

Alignment Sheet Number: 220

Tract No.: BGI-0, VA-GI-008.03

Current Land Use/ Vegetative Cover:

Deciduous Forest; Developed

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): Pinnate-lobbed coneflower (no impacts); MYSO (+ 0.07 ac UUSS)

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

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

Wetland or Waterbody ID: N/A

Additional Stream footage impacted:

N/A

Additional Wetland impacts:

N/A

Net acreage affected: + 0.07

Tree Clearing Required:

Yes

Acreage of tree clearing:

+ 0.07

Variance Level:

☐ Level 1 ☐ Level 2 ☒ Level 3

Variance From:

☒ Permit ☐ Plan ☐ Procedures ☐ EPPM ☐ Specification ☐ Drawing ☐ Mitigation Measure

☐ Line List

☐ Other: Describe:

Detailed Description of Variance:

Attachments?

☒ Yes ☐ No

Photos?

☐ Yes ☒ No

This variance relocates MLV-23 and MVP-MLV-AR-23 due to steepness of the original site. No cultural resources, or wetlands or waterbodies were identified within the proposed LOD. This variance has a net increase of 0.07 acres of LOD from the original permit. There is a net increase in tree clearing of 0.07 acres. The modification of the tree clearing results in a net increase of 0.07 acres MYSO - Unknown Use Spring Staging/Fall Swarming Habitat (UUSS) (Acres). Field surveys were conducted, and no Pinnate-lobbed Coneflowers habit was found. 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.

List Attachments:

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

Variance Justification:

Resources have been avoided to the extent practicable. Per approved Project plans, BMPs will be installed to minimize impacts to any Environmentally Sensitive Areas within/abutting the area.

For MVP Use Only

20181107-5122 FERC PDF (Unofficial) 11/7/2018 4:34:12 PM	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. The USFWS Biological Opinion was issued on 10/31/2017. The cultural resources survey was reported in: Mountain Valley Pipeline Project, Phase IB Archaeological Survey Report, Giles County, Virginia (November 2015). Filed with FERC 12/7/2015. Clearance received from VADHR 12/31/2015. A letter of concurrence dated is provided in Attachment 4.

Landowner: REDACTED
Land Agent Contact: BRIAN MURPHY
Landowner Approval Obtained: ☒ Yes ☐ No

Sign Off:	Name	Signature	Date
Construction Manager	Stan Layman	Stan Layman	10/31/2018
Lead Environmental Inspector	Brian Shields	Brian Shields	10/31/2018
Third Party Compliance Manager or monitor			
ROW Land Agent *	Brian Murphy	Brian Murphy	10/31/2018
Environmental Supervisor	Megan Neylon	Megan Neylon	10/31/2018

*signature denotes confirmed landowner approval

For FERC Compliance Monitor and Compliance Manager Use Only

Variance Approved:		Variance Denied:		Beyond Authority:	
Signature:					
Date:					
Stipulations:	20181107-5122 FERC PDF (Unofficial) 11/7/2018 4:34:12 PM				

Spread No.:	G	Variance Request No.:	G-7
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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 Sheet
Attachment 1**

**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 G-7
May 9, 2018**

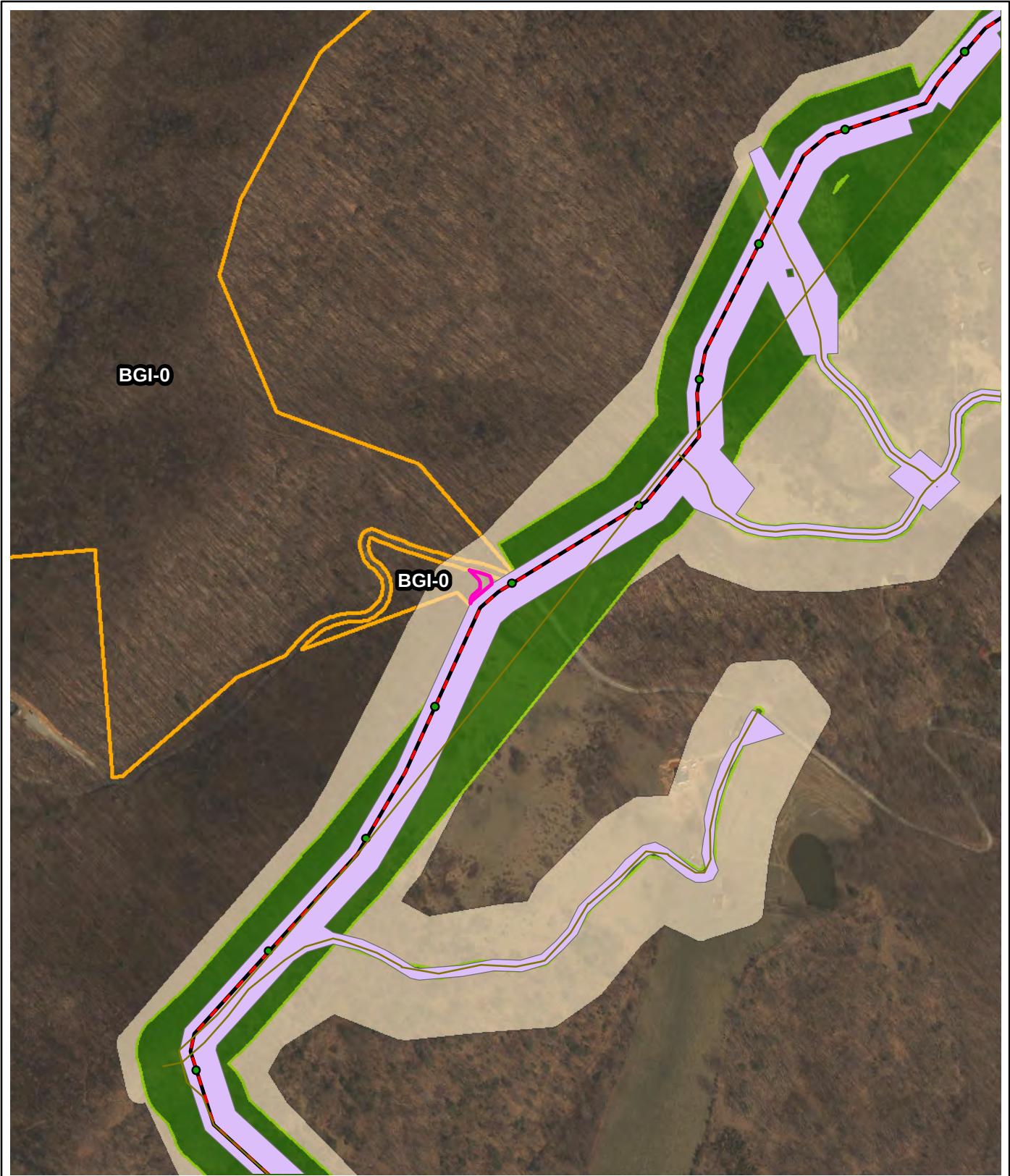
General survey areas are provided by the U.S. Fish and Wildlife Service and/or the applicable state agency. This variance occurs within the range of the Pinnate-lobed Coneflower. Pedestrian habitat assessments were conducted on June 29 to July 3, 2016. These field surveys were conducted within a 300-foot survey corridor, no suitable habitat or individuals were identified during survey efforts.

There are no impacts to aquatic resources associated with this variance and thus no impacts to listed aquatic species.

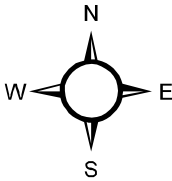
The only avian species-specific presence-absence surveys required for the project are scrub-shrub habitat-specific in the state of Virginia, thus do not apply to this variance area.

The modification of the tree clearing results in a net increase of 0.07 acres MYSO - Unknown Use Spring Staging/Fall Swarming Habitat (UUSS). Tree clearing will not occur between June 1 and July 31 or October 1 and November 14 as per the BO.

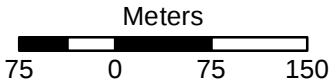
On 11/15/2015, 3/8/2016, and 3/30/2016 Environmental Solutions and Innovations, Inc. (ESI) conducted field surveys to search for portal openings (winter bat habitat). Surveys were conducted in accordance with agency approved protocols for the project. No portal openings were observed in the variance area.



- MVP Variance
- ESI Plant Survey Coverage
- Parcel Boundary
- MVP LOD (20171127)
- ESI Portal Coverage



Mountain Valley Pipeline Variance Survey Exhibit; Variance G-7



Base Map: ESRI "World Imagery (Clarity)";
accessed 5/9/2018

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)
20181107 - 522	Remaining Bank Acreage from E-Tab 11	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
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**Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000**

**Stream and Wetland
Delineation Report
Attachment 3**

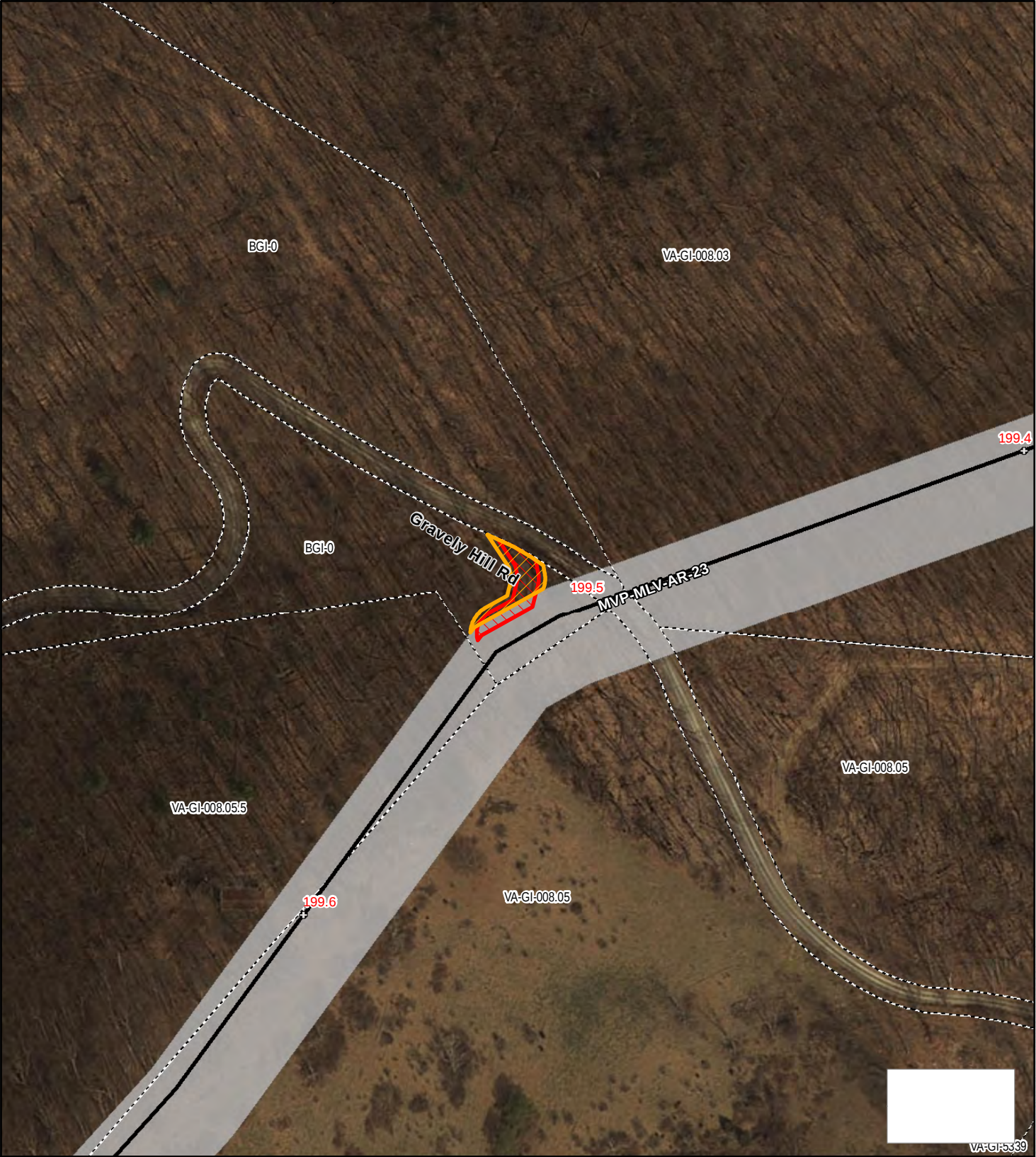
Mountain Valley Pipeline Project

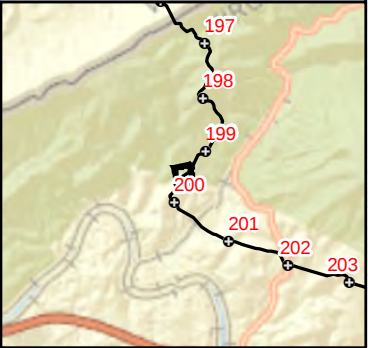
Variance G-7

May 9, 2018

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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		NAD 1983 UTM 17N		0 50 100 200 300 400 Feet	
 FERC Docket No. CP16-10-000 MVP Variance G-7 GILES COUNTY April 2018		Legend - Issued for Construction Milepost - Issued for Construction Route - Issued for Construction Limits of Disturbance - Parcel Boundary		- Proposed Variance Permanent Easement - Proposed Variance Temporary Workspace	
Data Sources: ESRI Aerial Imagery, All Issued for Construction data was filed with FERC on 12/20/2017.					

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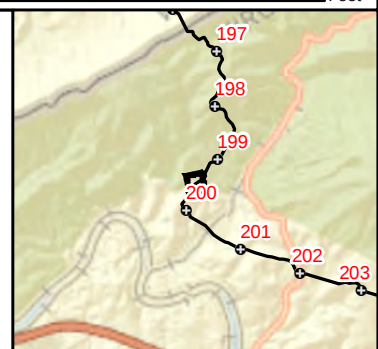
**Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000**

**Pipeline Variance
Request Map
Attachment 6**



- Issued for Construction Milepost
- Issued for Construction Route
- Issued for Construction Limits of Disturbance
- Parcel Boundary

-  Proposed Variance
Permanent Easement
 -  Proposed Variance
Temporary Workspace
 -  Proposed Variance
MLV Site



Data Sources: ESRI Aerial Imagery, All Issued for Construction data was filed with FERC on 12/20/2017.

Document Content(s)

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