

MVP Variance Request Form**Variance Request**

No.: A-55

Date Approval Requested by Contractor: 3/14/2019

Date Submitted by Chief Inspector to LEI: 3/16/2019

Date Received by FERC:

FERC Approval Reference No.:

Requested By: Brent Ladd

Spread: A

Variance Type: WS

Request Prepared By *: Megan Neylon

Variance Sequence Number: 055

* 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: 58+12

To: 64+32

Milepost: 1.20

To: 1.20

Alignment Sheet Number: 1,2

Tract No.: WV-WE-005.01 and WV-WE-005

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):

Architectural Resource WZ-0158 (Not Eligible and razed); MYSO (+0.48ac KUSH)

In or w/in 50' of a wetland:

☐ Yes
☒ No

In or w/in 50' of a waterbody:

☒ Yes
☐ No

N/A

Wetland or Waterbody ID:

S-J65, S-CV36, S-CV37

Additional Stream
footage impacted:

0.00

Additional Wetland acreage
impacted:

0.00

Net acreage affected: + 0.93

Tree Clearing Required:

YES

Acreage of tree
clearing:

+ 0.48

Variance Level: ☐ Level 1 ☐ Level 2 ☒ Level 3Variance 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-031(ext) for slip remediation. No wetlands were found during surveys. Streams S-J65, S-CV36 & S-CV37 were found during delineations and will incur no impact. These streams will be protected using reinforced filtration devices (RFDs), which may include priority 1 silt fence, triple stacked compost filter sock, or super silt fence. No tracked equipment will enter the highwater mark of the stream. BMPs have been installed outside of the LOD to minimize impacts to any Environmentally Sensitive Areas within/abutting the area. Architectural Resource WZ-0158 was found during cultural reviews but was deemed Not Eligible. Letters of Concurrence can be found in Attachment 4. This variance has a net increase of 0.93 acres of LOD from the original permit. There is a net increase in tree clearing of 0.48 MYSO - Known Use Summer Habitat (KUSH) acres.

On April 3, 2019, approval for Mountain Valley to cut these trees as part of a slip Emergency Endangered Species Act Consultation was filed with FERC. 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 - 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 3/27/2019. The cultural resources survey was reported in: Mountain Valley Pipeline Project, Cultural Resource Survey, Volume I, Wetzel, Harrison, Doddridge, and Wetzel Counties, West Virginia (Espino et al. June 2015); Mountain Valley Pipeline, Slip Mitigation Workspaces MVP-ATWS-SM-031, MVP-ATWS-SM-035, and MVP-ATWS-SM-036. Request for Concurrence on Disturbance and No Further Survey Recommendation (Freedman October 2018); Mountain Valley Pipeline Project, Revisions to Direct APE for Variances MVP-ATWS-SM-031 and MVP-ATWS-599 Extension, Wetzel and Nicholas Counties, West Virginia, Request for Concurrence for No Further Survey Recommendation (Marine February 2019); Mountain Valley Pipeline Project, Slip Mitigation Workspace MVP-ATWS-SM-031 (Ext), Emergency Slip Mitigation Review. Authorization to Proceed (Hockersmith March 2019). Filed with FERC 9/12/2015; 10/30/2018; 2/13/2019; and 4/4/2019. Clearance received from WVDCH 10/6/2015; 11/14/2018; 2/25/2019; 3/28/2019. 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	<i>Todd Carroll</i>	<i>Todd Carroll</i>	4/3/2019
Lead Environmental Inspector	<i>Travis Huskins</i>	<i>Travis Huskins</i>	4/3/2019
Third Party Compliance Manager or monitor			
ROW Land Agent *	<i>Janna Arnold</i>	<i>Janna Arnold</i>	4/3/2019
Environmental Supervisor	<i>Megan Neylon</i>	<i>Megan Neylon</i>	4/3/2019

*signature denotes confirmed landowner approval

For FERC Compliance Monitor and Compliance Manager Use Only

Variance Approved:		Variance Denied:		Beyond Authority:	
Signature:					
Date:					
Stipulations:					

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Spread No.:	A	Variance Request No.:	A-55
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VARIANCE CONDITIONS

Name:		Title:		Organization:	
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Conditions:					
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Name:		Title:		Organization:	
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Conditions:					
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Name:		Title:		Organization:	
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Conditions:					
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**Mountain Valley Pipeline, LLC
Mountain Valley Pipeline Project
Docket No. CP16-10-000**

**Alignment Sheets
Attachment 1**

RIGHT-OF-WAY & OWNERSHIP DATA

DESIGN

PIPE / COATING

SLOPE DISTANCE

CLASS LOCATION / HCA

ENVIRONMENTAL

CONSTRUCTION EXCLUSION

WETLAND / STREAM

TIME OF YEAR RESTRICTION: NO CLEARING JUNE 1 - JULY 31
SEE TREE CLEARING PLAN FOR FURTHER DETAILS

T.O.Y.R: NO CONSTRUCTION WITHIN STREAM S-A1a
APRIL 1ST TO JUNE 30TH

TIME OF YEAR RESTRICTION: SEE TREE CLEARING PLAN

T.O.Y.R: NO CONSTRUCTION WITHIN STREAM S-A3a
APRIL 1ST TO JUNE 30TH

TIME OF YEAR RESTRICTION: NO CLEARING JUNE 1 - JULY 31
SEE TREE CLEARING PLAN FOR FURTHER DETAILS

PLAN VIEW

LEGEND

STUDY CORRIDOR

PROPOSED 42" PIPELINE

NON-SURVEYED CIL

500' TICK MARK

EXISTING PIPELINE

PERMANENT EASEMENT

WORK SPACE LIMITS

PERMANENT ACCESS RD

TEMPORARY ACCESS RD

ANCILLARY SITE

COUNTY LINE

PROPERTY LINE

ROAD RIGHT-OF-WAY

FENCE LINE

OVERHEAD POWER

OVERHEAD TELEPHONE

CIL ROAD

RAILROAD

DELIMITED STREAM

BARRICADE FENCE

PROPOSED TEST STATION

LINE MARKER - VENT PIPE

SIGN

TOWER LEG

TREE

GUY ANCHOR

WELL - GAS/OIL/WATER

MONITORING POST - GATE FENCE

ELEC/GAS/WTR METER

PEDESTAL - UTILITY

MH - SANITARY/WATER

CATCH BASIN - CULVERT

ADDITIONAL TEMPORARY WORK SPACE(S)

ABOVE GROUND FACILITY

LIMITS OF DISTURBANCE

REFERENCE DRAWINGS

DRAWING NO. DESCRIPTION

RSS-H600-01 RESIDENTIAL SITE SPECIFIC

MVP-AR-H600-01 ACCESS ROADS, ANCILLARY SITES, MAINLINE VALVES & LAUNCHER/RECEIVER SITES

MVP-ODAR-H600-01 ACCESS ROAD DETAIL MAP

MVP-ODAS-H600-01 ANCILLARY SITE DETAIL MAP

FPCX-H600-001 FOREIGN PIPELINE X-ING PLAN

FPCX-H600-002 FOREIGN PIPELINE X-ING PLAN

FPCX-H600-003 FOREIGN PIPELINE X-ING PLAN

FPCX-H600-004 FOREIGN PIPELINE X-ING PLAN

FPCX-H600-005 FOREIGN PIPELINE X-ING PLAN

06-2016-0253 ROAD CROSSING PERMIT

P-W-H600-1204-01 CATHODIC PROTECTION STANDARD DRAWING

P-W-H600-1100-01 MOBILEY INTERCONNECT PLOT PLAN

P-W-H600 WEBSTER TAP

HORIZONTAL STATIONING

0+00 BEGIN CONSTRUCTION

0+06 CULVERT OPEN END 75' RT

0+36 POWER POLE - 111' RT

0+42 END BLDG - HOUSE

0+64 PROPOSED MAIN LINE VALVE (MVP-MLV-01)

0+92 PIPELINE - FOREIGN - EOT 4" FEG63 (ABANDON TO EAST)

1+72 OHP LINE

10+60 PROPOSED TYPE 5 TEST STATION

10+67 PROPERTY LINE

10+93 ACCESS RD - PERMANENT (MVP-WE-001)

15+34 PROPERTY LINE

19+72 PROPERTY LINE

19+73 PROPERTY LINE

23+82 PROPERTY LINE

WORK SPACE

PROPOSED PIPELINE

EXISTING PIPELINE

ACCESS ROAD

TEMPORARY WORK SPACE

PERMANENT EASEMENT

TEMPORARY WORK SPACE(TWS)

ADD. TEMPORARY WORK SPACE(ATWS)

CAUTION! PIPELINE CROSSING

CONSTRUCTION METHOD

CONSTRUCTION METHOD KEY

1 - TYPICAL R/W WORKING SIDE RIGHT

1.1 - TYPICAL R/W WORKING SIDE LEFT

2 - TOPSOIL SEGREGATED R/W WORKING SIDE RIGHT

2.1 - TOPSOIL SEGREGATED R/W WORKING SIDE LEFT

3 - TYPICAL WETLAND X-ING

4 - ROAD X-ING - BORE

5 - RAILROAD X-ING - BORE

6 - WATERBODY X-ING OPEN CUT - FLUME

7 - PARALLEL TO POWER LINE

8 - RIDGE CONSTRUCTION

9 - HDD ENTRY PLAN

11 - HDD EXIT PLAN

12 - HDD CONSTRUCTION

13 - PARALLEL TO POWER LINE

14 - PARALLEL TO POWER LINE

15 - WATERBODY X-ING OPEN CUT - DRY/DAM & PUMP

33 - SIDE HILL CONSTRUCTION

34 - 2-TONE SIDE HILL CONSTRUCTION

53 - REDUCED CONSTRUCTION R/W WITH TOPSOIL SEGREGATION

54 - REDUCED CONSTRUCTION R/W FOR NON-WETLAND OR STREAM REASONS

PROFILE

1500

1400

1300

1200

1100

1000

900

5+00

10+00

15+00

20+00

25+00

30+00

35+00

40+00

45+00

50+00

55+00

33+50 & CO RTE 15 - N FORK RD

34+19 STREAM BANK(S-A1a)

34+56 STREAM BANK(S-A1a)

42+62 & STREAM(S-A3a)

ISSUED FOR CONSTRUCTION

APPROVED FOR CONSTRUCTION

APPROVED FOR BIDDING

APPROVED FOR PERC

Mountain Valley PIPELINE

PIPELINE ALIGNMENT

MOUNTAIN VALLEY PROJECT - H600 LINE

GRANT DISTRICT, WETZEL CO., W.V.

STA. 00+00 TO STA. 58+66

HORIZ SCALE: 1"=200'

DRAWN BY: HEI(DRF)

02/09/15

DRAFTING CK:

ENGINEERING CK:

CONSTRUCTION CK:

ENVIRONMENTAL CK:

A/E/P/O NO.: 14-10-052

HEI PROJECT NO.: 14-10-052

DRAWING NO.: PA-WEWV-H600-01

SHEET 01 OF 329

REV. 11

DATE OF PLOT: 04/19/94 7 AM

[illegible]

APPROVED FOR CONSTRUCTION							MATERIAL SUMMARY			REVISIONS		
REV	DATE	BY	CHK	QTY	UNIT	DESCRIPTION	REV	BY	DATE	DESCRIPTION		
1	06-13-18			5559	42" O.D. X 0.617" W.T. X 7.70' FUSION BONDED EXPOXY		7	HEI	06-13-18	ISSUED FOR CONSTRUCTION - FERRI REVISION REQUIRED		
2	06-13-18			868	42" O.D. X 0.617" W.T. X 7.70' FUSION BONDED EXPOXY		8	HEI	06-13-18	ISSUED FOR VARIANCE - ROUTE ADJUSTMENT		
3	06-13-18			4	TYPE 1 TEST STATION - PIPELINE		9	HEI	06-13-18	ISSUED FOR VARIANCE - ADDED MP AT WS-0218 FOR SLP MITIGATION		
4	06-13-18			1	TYPE 1 TEST STATION - TEST STATION 18 COUPON		10	HEI	10-30-18	ISSUED FOR VARIANCE - ADDED MP AT WS-0432		
							11	HEI	12-17-18	ISSUED FOR VARIANCE - ADDED MP AT WS-0403 AND REMOVED MP AT WS-3M-002		
							12	HEI	01-28-19	AND REMOVED MP AT WS-3M-003		
							13	HEI	01-28-19	ISSUED FOR VARIANCE - ADDED MP AT WS-0403 (E40)		
							14	HEI	02-25-19	ISSUED FOR VARIANCE - ADDED MP AT WS-0403 (E40)		

**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-55
March 27, 2019

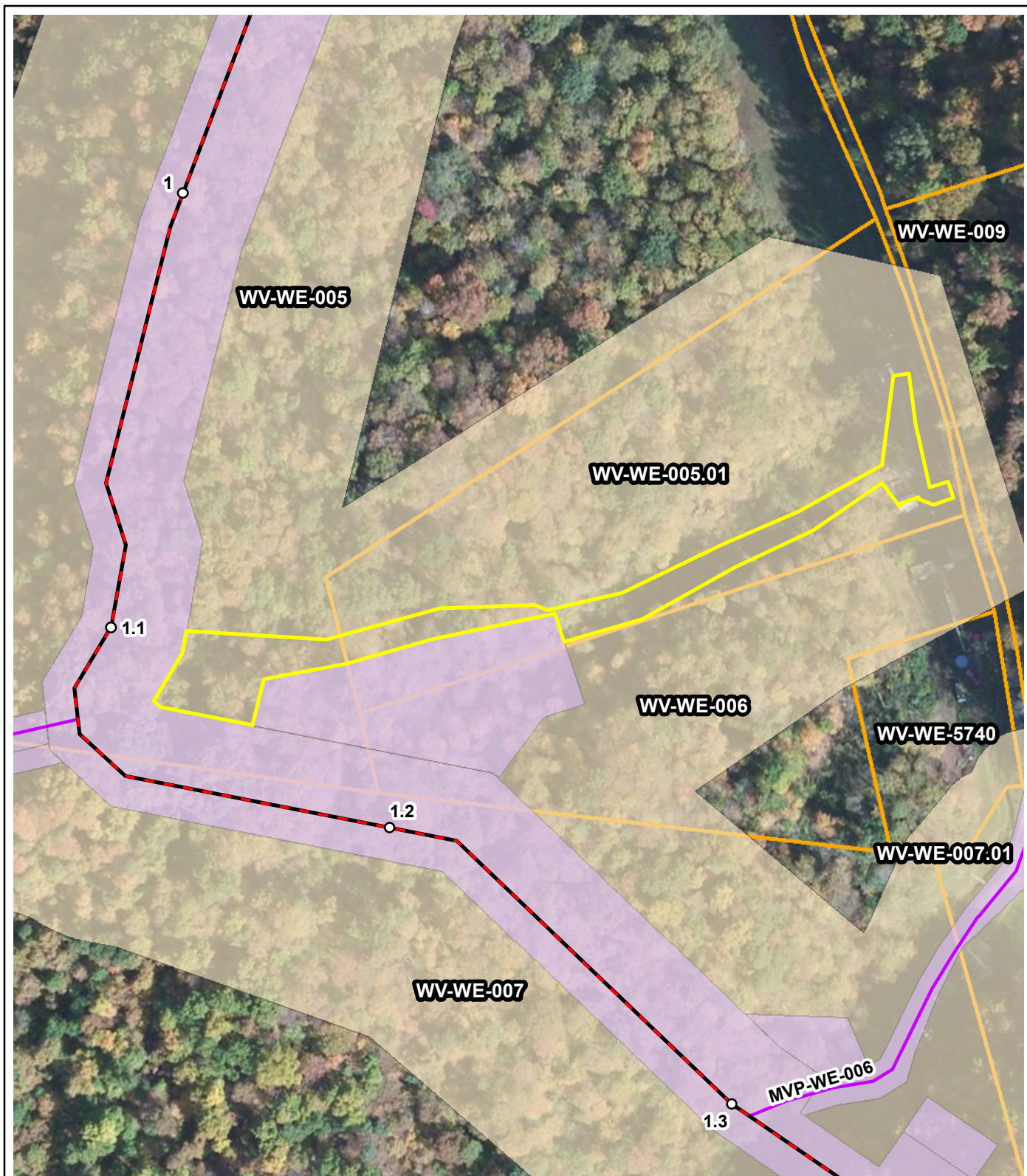
State and federal agencies identified areas where plant surveys were required. This variance does not occur in any of those areas.

There are no impacts to aquatic resources associated with this variance.

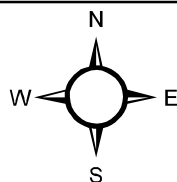
The only avian species-specific presence-absence surveys required for the project are scrub-shrub habitat-specific in the state of Virginia, thus do not apply to this variance area.

The modification of the tree clearing results in a net increase of 0.48 acres MYSO - Known Use Summer Habitat (KUSH). On April 3, 2019, approval for Mountain Valley to cut these trees as part of a slip Emergency Endangered Species Act Consultation was filed with FERC. MVP will cut the trees associated with this variance as soon as approved to do so. Table 1 exhibits that MVP's acreage "banks" will remain net positive following approval of this variance request.

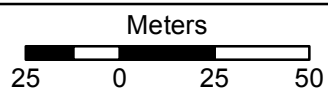
On 2/12/2015 and 3/27/2019, Environmental Solutions and Innovations, Inc. (ESI) conducted field surveys to search for portal openings (winter bat habitat). Surveys were conducted in accordance with agency approved protocols for the project. No portal openings were observed in the variance area.



- MVP Centerline
- MVP Access Road
- MVP Variance
- MVP LOD
- ESI Portal Coverage
- Parcel Boundary



Mountain Valley Pipeline Variance Survey Exhibit; Variance A-55



Base Map: ESRI "World Imagery";
accessed 4/1/2019

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

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)	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
Net Remaining Acreage for variances to date	0.819	0.81	3.89	5.07	0.30	0.59

**Mountain Valley Pipeline, LLC
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**Waterbodies and Wetlands Report
Attachment 3**

Mountain Valley Pipeline Project

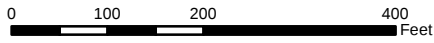
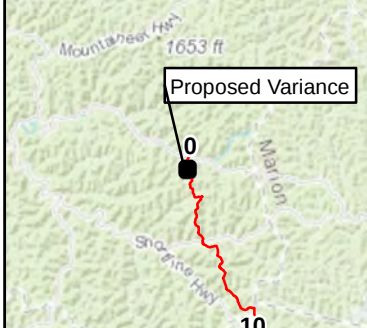
Variance A-55

March 28, 2019

On March 26, 2019 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).

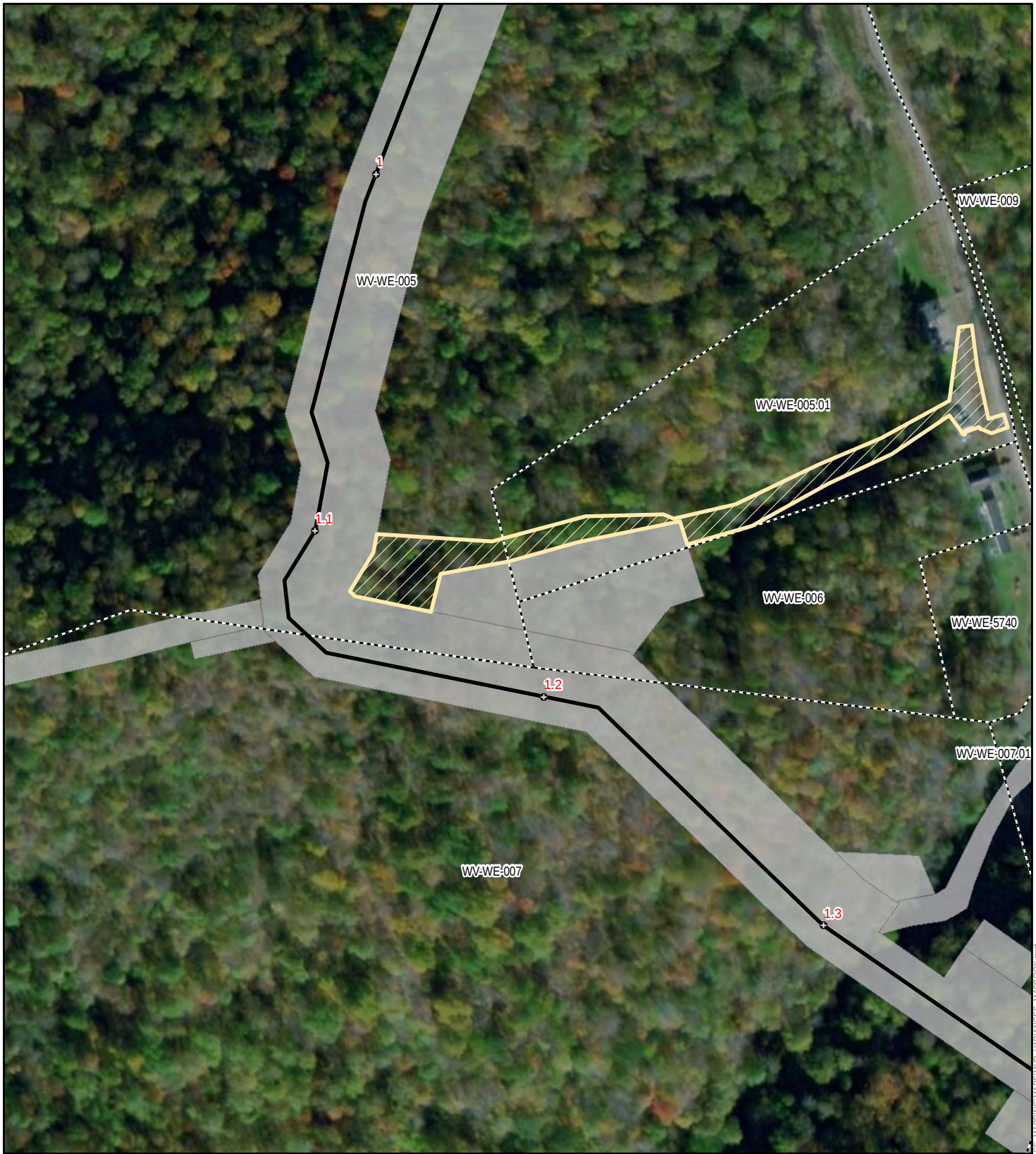
During field surveys, Tetra Tech did not identify any wetlands, but did identify three streams (S-J65, S-VC36 and S-CV37) in the variance area, as shown on the attached figure.

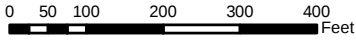
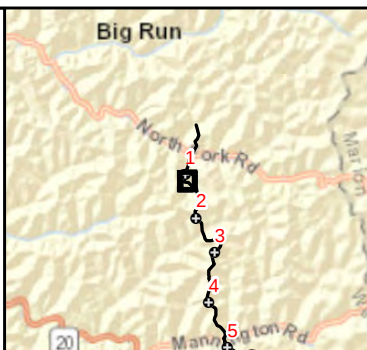


Mountain Valley Pipeline Project  NAD 1983 UTM 17N 1 inch = 200 feet 	
 Proposed Variance A-55 Wetzel County, West Virginia March 2019	Legend  Issued for Construction LOD  Proposed Variance Limit of Disturbance  Culvert  Ephemeral Stream  Intermittent Stream  Perennial Stream  PEM Wetland
Data Sources: ESRI Streaming Data 2014.	

**Mountain Valley Pipeline, LLC
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**Pipeline Variance
Request Map
Attachment 6**



Mountain Valley Pipeline Project  NAD 1983 UTM 17N 		
 FERC Docket No. CP16-10-000 MVP Variance A-55 WETZEL 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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