2200 Energy Drive | Canonsburg, PA 15317
844-MVP-TALK | mail@mountainvalleypipeline.info
www.mountainvalleypipeline.info

September 16, 2019

Ms. 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
Weekly Status Report No. 97

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 ("Mountain Valley") for the Mountain Valley Pipeline Project in the above-identified docket. On October 31, 2017, Mountain Valley submitted its Implementation Plan for the Project. In compliance with Environmental Condition Nos. 8 and 14, Mountain Valley submits its status report for the week ending September 6, 2019.

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

Respectfully submitted,

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

By:

Matthew Eggerding
Assistant General Counsel

Attachments

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

FEDERAL AUTHORIZATIONS

Mountain Valley continues discussions with applicable agencies regarding permits.

CONSTRUCTION STATUS

Construction activities and progress are included in Appendix A.

WORK PLANNED FOR NEXT REPORTING PERIOD

Spreads A-F and H continue construction deliverables.

SCHEDULE CHANGES

There are no required schedule changes for waterbody crossings or work in other environmentally sensitive areas.

ENVIRONMENTAL ISSUES

The table in Appendix B summarizes problem area reports (PAR) and noncompliance reports (NCR) issued for the Project during the reporting period, as well as corrective actions taken to resolve each of the issues.

In the event Mountain Valley receives correspondence from other federal, state, or local permitting agencies concerning instances of noncompliance during the reporting period, Mountain Valley will include or reference such correspondence, as well as Mountain Valley's response thereto, in Appendix C.

LANDOWNER RESOLUTIONS

The table in Appendix D includes information regarding landowner concerns and how they were resolved.

VARIANCE CONDITIONS

In the event Mountain Valley is required to provide supplemental documentation as a condition to a variance request granted by the Federal Energy Regulatory Commission, Mountain Valley will include or reference such variances, as well as the required reporting, in Appendix E.

Activity Name	Activity Status	% Complete
Compressor Stations		
Bradshaw		
Bradshaw Civil - Tree Felling	Completed	100%
Bradshaw Civil - Road Construction	Completed	100%
Bradshaw Civil - Site Construction	Completed	100%
Bradshaw Civil - Post Site Construction/Reclamation	Completed	100%
Bradshaw Mechanical - Office Building Area	Completed	100%
Bradshaw Mechanical - Discharge Filter Area	Completed	100%
Bradshaw Mechanical - Auxiliary Equipment Area	Completed	100%
Bradshaw Mechanical - Blowdown Silencer Area	Completed	100%
Bradshaw Mechanical - Gas Cooler Area	Completed	100%
Bradshaw Mechanical - Compressor Building Area	Completed	100%
Bradshaw Mechanical - Suction Filter Area	Completed	100%
Bradshaw Mechanical - Launcher/Receiver Area	Completed	100%
Bradshaw Mechanical - Produced Fluids Area	In Progress	99.24%
Bradshaw Mechanical - Site Work Area	In Progress	83.92%
Bradshaw Mechanical - Commissioning	Not Started	0%
Harris		
Harris Civil - Tree Felling	Completed	100%
Harris Civil - Road Construction	Completed	100%
Harris Civil - Site Construction	Completed	100%
Harris Civil - Post Site Construction/Reclamation	Completed	100%
Harris Mechanical - Office Building Area	Completed	100%
Harris Mechanical - Auxiliary Equipment Area	Completed	100%
Harris Mechanical - Blowdown Silencer Area	Completed	100%
Harris Mechanical - Gas Cooler Area	Completed	100%
Harris Mechanical - Compressor Building Area	Completed	100%
Harris Mechanical - Suction Filter Area	Completed	100%
Harris Mechanical - Launcher/Receiver Area	Completed	100%
Harris Mechanical - Produced Fluids Area	Completed	100%
Harris Mechanical - Site Work Area	Completed	100%
Harris Mechanical - Commissioning	Not Started	0%
Stallworth		
Stallworth Civil - Tree Felling	Completed	100%
Stallworth Civil - Road Construction	Completed	100%
Stallworth Civil - Site Construction	Completed	100%
Stallworth Civil - Post Site Construction/Reclamation	Completed	100%
Stallworth Mechanical - Office Building Area	Completed	100%
Stallworth Mechanical - Auxiliary Equipment Area	Completed	100%
Stallworth Mechanical - Blowdown Silencer Area	Completed	100%
Stallworth Mechanical - Gas Cooler Area	Completed	100%
Stallworth Mechanical - Compressor Building Area	Completed	100%
Stallworth Mechanical - Suction Filter Area	Completed	100%
Stallworth Mechanical - Launcher/Receiver Area	Completed	100%
Stallworth Mechanical - Produced Fluids Area	Completed	100%
Stallworth Mechanical - Site Work Area	Completed	100%
Stallworth Mechanical - Commissioning	Not Started	0%

Activity Name	Activity Status	% Complete
Interconnects		
Mobley		
Mobley Civil - Tree Felling	Completed	100%
Mobley Civil - Road Construction	Completed	100%
Mobley Civil - Site Construction	Completed	100%
Mobley Civil - Post Site Construction/Reclamation	Completed	100%
Mobley Mechanical - GC Building Area	Completed	100%
Mobley Mechanical - CV Building Area	Completed	100%
Mobley Mechanical - Meter Building Area	Completed	100%
Mobley Mechanical - Filter Area	Completed	100%
Mobley Mechanical - Launcher/Receiver Area	Completed	100%
Mobley Mechanical - Site Work Area	Completed	100%
Mobley Mechanical - Commissioning	Not Started	0%
Sherwood		
Sherwood Civil - Tree Felling	Not Started	0%
Sherwood Civil - Road Construction	Not Started	0%
Sherwood Civil - Site Construction	Not Started	0%
Sherwood Civil - Post Site Construction/Reclamation	Not Started	0%
Sherwood Mechanical - GC Building Area	Not Started	0%
Sherwood Mechanical - CV Building Area	Not Started	0%
Sherwood Mechanical - Meter Building Area	Not Started	0%
Sherwood Mechanical - Filter Area	Not Started	0%
Sherwood Mechanical - Launcher/Receiver Area	Not Started	0%
Sherwood Mechanical - Site Work Area	Not Started	0%
Sherwood Mechanical - Commissioning	Not Started	0%
WB		
WB Civil - Tree Felling	Completed	100%
WB Civil - Road Construction	Completed	100%
WB Civil - Site Construction	Completed	100%
WB Civil - Post Site Construction/Reclamation	Completed	100%
WB Mechanical - GC Building Area	Completed	100%
WB Mechanical - CV Building Area	Completed	100%
WB Mechanical - Meter Building Area	Completed	100%
WB Mechanical - Filter Area	Completed	100%
WB Mechanical - Launcher/Receiver Area	Completed	100%
WB Mechanical - Site Work Area	Completed	100%
WB Mechanical - Commissioning	Not Started	0%
Transco		
Transco Civil - Tree Felling	Completed	100%
Transco Civil - Road Construction	Completed	100%
Transco Civil - Site Construction	Completed	100%
Transco Civil - Post Site Construction/Reclamation	Completed	100%
Transco Mechanical - GC Building Area	Completed	100%
Transco Mechanical - CV Building Area	Completed	100%
Transco Mechanical - Meter Building Area	Completed	100%
Transco Mechanical - Filter Area	Completed	100%
Transco Mechanical - Launcher/Receiver Area	Completed	100%
Transco Mechanical - Site Work Area	Completed	100%
Transco Mechanical - Commissioning	Not Started	0%

Activity Name	Activity Status	% Complete
Spreads (Pipeline)		
Spread A		
Spread A - Tree Felling	Completed	100%
Spread A - Clearing	Completed	100%
Spread A - Prepare right-of-way	Completed	100%
Spread A - Trenching	Completed	100%
Spread A - Stringing	Completed	100%
Spread A - Welding	Completed	100%
Spread A - Coating & Wrapping	Completed	100%
Spread A - Backfilling & Tying-in	In Progress	92.43%
Spread A - Internal Cleaning	Not Started	0%
Spread A - Final Restoration	In Progress	53.83%
Spread B		
Spread B - Tree Felling	Completed	100%
Spread B - Clearing	Completed	100%
Spread B - Prepare right-of-way	Completed	100%
Spread B - Trenching	Completed	100%
Spread B - Stringing	Completed	100%
Spread B - Welding	Completed	100%
Spread B - Coating & Wrapping	Completed	100%
Spread B - Backfilling & Tying-in	In Progress	93.18%
Spread B - Internal Cleaning	Not Started	0%
Spread B - Final Restoration	In Progress	41.58%
Spread C		
Spread C - Tree Felling	Completed	100%
Spread C - Clearing	Completed	100%
Spread C - Prepare right-of-way	Completed	100%
Spread C - Trenching	In Progress	93.92%
Spread C - Stringing	Completed	100%
Spread C - Welding	Completed	100%
Spread C - Coating & Wrapping	Completed	100%
Spread C - Backfilling & Tying-in	In Progress	74.41%
Spread C - Internal Cleaning	Not Started	0%
Spread C - Final Restoration	In Progress	29.68%
Spread D		
Spread D - Tree Felling	Completed	100%
Spread D - Clearing	Completed	100%
Spread D - Prepare right-of-way	Completed	100%
Spread D - Trenching	Completed	100%
Spread D - Stringing	Completed	100%
Spread D - Welding	Completed	100%
Spread D - Coating & Wrapping	Completed	100%
Spread D - Backfilling & Tying-in	In Progress	81.8%
Spread D - Internal Cleaning	Not Started	0%
Spread D - Final Restoration	In Progress	36.34%
Spread E		
Spread E - Tree Felling	Completed	100%
Spread E - Clearing	Completed	100%
Spread E - Prepare right-of-way	Completed	100%
Spread E - Trenching	Completed	100%

Activity Name	Activity Status	% Complete
Spread E - Stringing	Completed	100%
Spread E - Welding	Completed	100%
Spread E - Coating & Wrapping	Completed	100%
Spread E - Backfilling & Tying-in	In Progress	90.86%
Spread E - Internal Cleaning	Not Started	0%
Spread E - Final Restoration	In Progress	66.47%
Spread F		
Spread F - Tree Felling	Completed	100%
Spread F - Clearing	In Progress	97.03%
Spread F - Prepare right-of-way	In Progress	92.9%
Spread F - Trenching	In Progress	86.08%
Spread F - Stringing	In Progress	86.08%
Spread F - Welding	In Progress	86.08%
Spread F - Coating & Wrapping	In Progress	85.4%
Spread F - Backfilling & Tying-in	In Progress	85.41%
Spread F - Internal Cleaning	Not Started	0%
Spread F - Final Restoration	In Progress	45.39%
Spread G		
Spread G - Tree Felling	Completed	100%
Spread G - Clearing	In Progress	64.08%
Spread G - Prepare right-of-way	In Progress	43.82%
Spread G - Trenching	In Progress	19.48%
Spread G - Stringing	In Progress	33.86%
Spread G - Welding	In Progress	21.67%
Spread G - Coating & Wrapping	In Progress	20.03%
Spread G - Backfilling & Tying-in	In Progress	19.48%
Spread G - Internal Cleaning	Not Started	0%
Spread G - Final Restoration	In Progress	5.89%
Spread H		
Spread H - Tree Felling	In Progress	99.7%
Spread H - Clearing	In Progress	70.99%
Spread H - Prepare right-of-way	In Progress	67.27%
Spread H - Trenching	In Progress	63.4%
Spread H - Stringing	In Progress	66.28%
Spread H - Welding	In Progress	62.06%
Spread H - Coating & Wrapping	In Progress	55.81%
Spread H - Backfilling & Tying-in	In Progress	47.04%
Spread H - Internal Cleaning	Not Started	0%
Spread H - Final Restoration	In Progress	10.81%
Spread I		
Spread I - Tree Felling	Completed	100%
Spread I - Clearing	Completed	100%
Spread I - Prepare right-of-way	Completed	100%
Spread I - Trenching	Completed	100%
Spread I - Stringing	Completed	100%
Spread I - Welding	Completed	100%
Spread I - Coating & Wrapping	Completed	100%
Spread I - Backfilling & Tying-in	In Progress	82.4%
Spread I - Internal Cleaning	Not Started	0%
Spread I - Final Restoration	In Progress	5.03%

Activity Name	Activity Status	% Complete
Contractor Yards		
West Virginia Locations		
MVP-LY-013	Completed	100%
MVP-LY-003	Completed	100%
MVP-LY-031	Completed	100%
MVP-LY-057	Completed	100%
MVP-LY-068	Completed	100%
MVP-LY-059	Completed	100%
MVP-LY-038	Completed	100%
MVP-LY-069	Completed	100%
MVP-LY-027	Completed	100%
MVP-CY-002A	Completed	100%
MVP-CY-002	Completed	100%
MVP-LY-030	Completed	100%
MVP-LY-025	Completed	100%
MVP-LY-022	Completed	100%
MVP-LY-005	Completed	100%
MVP-LY-004	Completed	100%
MVP-LY-021	Completed	100%
MVP-LY-001A	Completed	100%
MVP-LY-017	Completed	100%
MVP-LY-001	Completed	100%
MVP-RD-001B	Completed	100%
MVP-LY-051	In Progress	95%
MVP-LY-050	In Progress	55%
MVP-LY-070	In Progress	50%
MVP-LY-058	In Progress	10%
MVP-LY-052	Not Started	0%
MVP-LY-065	Not Started	0%
MVP-LY-037	Not Started	0%
MVP-LY-016	Not Started	0%
MVP-AP-002	Not Started	0%
MVP-SA-001	Not Started	0%
MVP-LOG-001	Not Started	0%
MVP-AP-001	Not Started	0%
MVP-RD-001A	Not Started	0%
MVP-LY-024	Not Started	0%
MVP-LY-002	Not Started	0%
Virginia Locations		
MVP-LY-046	Completed	100%
MVP-LY-048	Completed	100%
MVP-LY-1019	Completed	100%
MVP-LY-028	Completed	100%
MVP-LY-026	Completed	100%
MVP-LY-034	Completed	100%
MVP-LY-033	Completed	100%
MVP-LY-032	Completed	100%
MVP-PY-006	In Progress	99%
MVP-LY-029	Not Started	0%
MVP-LY-035	Not Started	0%

APPENDIX B

ENVIRONMENTAL COMPLIANCE

The following table summarizes problem area reports (PAR) and noncompliance reports (NCR) issued for the Project during the reporting period, as well as corrective actions taken to resolve the issue (including the cost and effectiveness of the corrective actions).

Compliance	Spread	Location	Description and Date	Correction and Date
PAR	A	AR 13	2/13/2019 - Slip from ROW impacted stream S-A117.	Pending - The work is being monitored daily to avoid impacts to resources and a vac truck is being used to remove materials from the ECD's. Pending variance request approval (A-57).
PAR	A	117+00	9/26/2018 - Return sediment from slipped area.	Pending approval of a variance request (A-31).
PAR	A	161+00 to 171+00	9/4/2019 – CFS overwhelmed from rain event in various locations.	9/5/2019 – ECDs were upgraded to triple stack CFS.
PAR	A	179+00 to 187+00	9/4/2019 – CFS overwhelmed from rain event in various locations.	9/6/2019 – ECDs were upgraded to triple stack CFS.
NCR	A	230+50	8/8/2019 – Contractor inadvertently went outside LOD when working on slip.	Pending – A variance will be submitted for the additional workspace (A-84).

Compliance	Spread	Location	Description and Date	Correction and Date
PAR	A	437+50 to 451+00	9/3/2019 – CFS overwhelmed in various locations from rain event.	9/4/2019 – ECDs were upgraded and additional ECDs were added.
PAR	A	475+00	4/15/2019 – Slip went off LOD at 475+00.	Pending – ECD's have been installed to prevent impacts to resources. Pending variance request (A-57).
PAR	E	7235+60	10/3/2018 - A large culvert needs to be installed in W-M23 and matted over. STA 7223+50 holding water, water bar needs to be moved to allow this water to drain into the existing sump.	Pending NWP permits.
PAR	E	6789+40	10/3/2018 - Stream/wetland sinking over where pipe was installed.	Pending NWP permits.
PAR	E	6812+98	10/10/2018 - Seeded 4 weeks ago and seed never took. Area in wetland is subsiding.	Pending NWP permits.
NCR	F	MVP-LY-31	7/17/2018 - Pavement was added but was not mentioned in the variance. Need to write an after the fact variance for the pavement.	Pending approval of a variance request.

Compliance	Spread	Location	Description and Date	Correction and Date
NCR	F	9840+00	2/19/2019 - Off ROW disturbance while pulling back slip material.	Pending – Will submit an after the fact variance.
NCR	F	MVP-MO-213	4/1/2019 - Contractor has placed ECD's and rock off LOD of the access road.	Pending – Land agent spoke with L/O and received permission to leave the rock. A variance will be submitted.
PAR	G	11797+00	7/10/2019 – Silt fence perimeter undercut resulting in sediment off ROW.	Pending – Perimeter silt fence repaired 7/10/2019. Pending landowner permission to retrieve off ROW sediment and stabilize area.
NCR	G	11407+61 to 11409+00	6/21/2018 - Livestock fence installed off ROW.	Pending – Fence will be moved to LOD following approval of variance request G-11.
PAR	G	10955+74	8/9/2018 - No RCE in place at road crossing.	Pending – Will be installed once stop work order is lifted and work in this area resumes.
PAR	G	VA-MO-5526	6/3/2019 - Isolated thunderstorms hit ROW which overwhelmed perimeter controls resulting in sediment off ROW.	Pending – Temporary water bars and end treatments were installed upslope and maintenance was performed on ECD's on 6/4/19. Pending landowner approval to recover off ROW sediment.

Compliance	Spread	Location	Description and Date	Correction and Date
PAR	G	VA-MO-3370	6/6/2019 - End treatment undercut resulting in sediment off ROW.	Pending – End treatment repaired on 6/7/19. Landowner approval pending to recover off ROW sediment.
PAR	H	12331+00	7/17/2019 – During a 0.75" storm event, stormwater overtopped a CFS water bar end treatment and SSF and deposited sediment 380' off ROW.	Pending – A slope pipe was installed across the fill slope and the plunge pool end treatment was cleaned out on 7/18/19. Landowner permission to retrieve sediment off ROW pending.
NCR	H	12332+50	7/31/2019 – During an afternoon storm event, stormwater collected in open trench and daylighted at an existing slope pipe. Flow filled the sump, overtopped the end treatment, and sediment was deposited approximately 1,915' off ROW.	Pending – Temporary slope breakers were installed on the right of way over the fill slope pipe. Rock lined sump and end treatment were reconstructed 8/1/19. Landowner permission to retrieve sediment off ROW pending.
PAR	H	12544+06	7/23/2019 – Sediment laden water overtopped interim slope breakers during a 2" rain event, depositing spoil in access road MVP-MN-278.01. Sediment laden water travelled down access road approx. 50' and deposited sediment off ROW and in S-EF20a and W-EF5-PFO.	Pending – Protesters attempted to block clean-up efforts by placing logs across the access road. The crew removed the logs and continued to remove sediment from the access road and install perimeter controls. Sediment was removed from stream and wetland within ROW limits on 7/27/19. Landowner permission to retrieve sediment off ROW pending.

Compliance	Spread	Location	Description and Date	Correction and Date
PAR	H	12958+00	10/14/2018 - Excessive flood waters from Hurricane Michael washed road base material and gravel out into ag field and stream S-Z17 on access road (MVP-RO-287). Some gravel existed in this area before the installation of the air bridge.	Pending – Landowner permission pending for gravel retrieval. ECD's were repaired and air bridge rock approaches were re-established on 10/14/18. Perimeter control was upgraded to SSF. Pending authorization for off ROW repairs.
PAR	H	12958+00	06/10/2019 - Flood waters washed road base material and gravel out into stream (S-Z17) and wetland (W-IJ62) located along access road MVP-RO-287. Some gravel existed in this area before the installation of the air bridge.	Pending – Landowner permission pending to retrieve gravel outside of the LOD. ECDs were repaired and air bridge rock approaches were re-established on 06/11/19.
PAR	H	12974+29	06/10/2019 - Flood waters washed road base material and gravel out into stream (S-Q20) and wetland (W-Q11) located along access road MVP-RO-288. Some gravel existed in this area before the installation of the air bridge.	Pending - Landowner permission pending to retrieve gravel outside of the LOD. ECDs were repaired and air bridge rock approaches were re-established on 06/11/19.
PAR	JNF	11584+02	6/25/2018 - Runoff undermined silt fence along the LOD and allowed sediment to migrate off ROW at 11584+02.	Pending – The silt fence was backfilled, but sediment cannot be retrieved until variance request from the USFS is received.

Compliance	Spread	Location	Description and Date	Correction and Date
PAR	JNF	11620+62	9/18/2018 - End treatment failed allowing small amount of sediment to migrate beyond LOD.	Pending – ECD's were repaired on 9/18/2018. Pending variance approval to retrieve sediment off LOD.
PAR	JNF	11649+00	09/24/2018 - End treatment failed allowing sediment to migrate beyond approved LOD.	Pending – ECD's were repaired on 9/26/18. Variance from USFS to retrieve sediment requested.
PAR	JNF	MVP-GI-232 142+96 and 143+30	4/17/2019 - Sediment migrated beyond the LOD of Pocahontas Road (MVP-GI-232).	Pending – CFS was installed along the edge of Pocahontas Road to filter runoff and contain sediment to area within the LOD. Work was completed on 4/18/2019. Sediment beyond LOD (less than 5 gallons) was not retrieved. Pending approval from USFS to retrieve.
PAR	JNF	10412+25 and 10442+00	4/29/2019 - End treatments for water bars at two locations along access road MVP-GI-231 failed. A small amount of sediment migrated beyond LOD at both locations.	Pending – ECD's were repaired on 4/29/19. Sediment to be raked into surface, seeded and mulched. Waiting for USFS approval to complete.
Note: PAR – Problem Area Report; NCR – Noncompliance Report.				

APPENDIX C

AGENCY CORRESPONDENCE AND RESPONSES

Spread B

MVP received an NOV from the WVDEP for Spread B. NOV No. W19-21-074-TJC is associated with the partial inspection of the right-of-way completed on August 14, 2019 in Lewis County, West Virginia. MVP provided a response to the WVDEP on September 11, 2019. A copy of Nov. No W19-21-074-TJC and a copy of the response letter is included in Appendix C.

Spread C

MVP received an NOV from the WVDEP for Spread C. NOV No. W19-51-024-JTL is associated with the partial inspection of the right-of-way completed on July 18, 2019 in Webster County, West Virginia. MVP provided a response to the WVDEP on September 4, 2019. A copy of Nov. No W19-51-024-JTL was included in Weekly Report No. 92 and a copy of the response letter is included in Appendix C.

MVP received an NOV from the WVDEP for Spread C. NOV No. W19-04-025-JTL is associated with the partial inspection of the right-of-way completed on August 1, 2019 in Braxton County, West Virginia. MVP provided a response to the WVDEP on September 11, 2019. A copy of Nov. No W19-04-025-JTL and a copy of the response letter is included in Appendix C.

MVP received an NOV from the WVDEP for Spread C. NOV No. W19-04-073-TJC is associated with the partial inspection of the right-of-way completed on August 14, 2019 in Braxton County, West Virginia. MVP provided a response to the WVDEP on September 11, 2019. A copy of Nov. No W19-04-073-TJC and a copy of the response letter is included in Appendix C.

Spread F

MVP received an NOV from the WVDEP for Spread F. NOV No. W19-45-026-JTL is associated with the partial inspection of the right-of-way completed on August 7, 2019 in Summers County, West Virginia. MVP provided a response to the WVDEP on September 11, 2019. A copy of Nov. No W19-45-026-JTL and a copy of the response letter is included in Appendix C.

September 11, 2019

Mr. Tim Casto
West Virginia DEP - Environmental Enforcement/WW
131 Peninsula St
Wheeling, WV 25304

Re: Mountain Valley Pipeline Project (Permit No. WVR310667)
Response to Notice of Violation No. W19-21-074-TJC

Dear Mr. Casto:

This letter is in response to Notice of Violation (NOV) No. W19-21-074-TJC issued to Mountain Valley Pipeline, LLC (Mountain Valley or MVP) by the West Virginia Department of Environmental Protection (WVDEP). The inspection was completed on August 14 along portions of Spread B in Lewis County.

Mountain Valley investigated accordingly and completed the following corrective actions to address and abate any alleged issues within NOV No. W19-21-074-TJC:

Corrective Actions

- Mountain Valley has regraded and installed waterbars according to the plan;
- Supersilt Fence (SSF) has been repaired and replaced within the inspection area;
- Slopes have been seeded and stabilized with properly designed waterbars;
- Additional gravel has been added to the rock construction entrances and drainage channel;
- The installed erosion control devices (ECDs) have been cleaned, repaired, or replaced as required; and
- Offsite sediment deposits have been returned and properly reworked into the project area limits of disturbance (LOD).

The attached photographs illustrate the actions incorporated into the project area.

***

Mountain Valley believes the issues listed in the NOV have been fully addressed and resolved. If you have questions or need additional information, please do not hesitate to contact me at (724) 873-3009 or via email at mhoover@equitransmidstream.com.

Sincerely,

Matthew S. Hoover
Mountain Valley Pipeline, LLC - Sr. Environmental Coordinator

CC: Project File

Attachment A
Corrective Action Photos

Photo 1: Right-of-way near station 2770+00 illustrating redirection of waterbars to sumps and outlet direction.

Photo 2: Another angle of the waterbars being directed towards end treatments.

Photos 3 and 4: Photo illustrates the stabilization along access road LE-70, near station 2770+00

Photo 5: Photo illustrates the stabilization that has been installed near station 3000+00.

Photo 6: Photo illustrate the waterbars and restoration that has been installed near station 3000+00.

Photo 7: Photo illustrates the stabilization and end treatments that have been installed near the inspection area around station 3000+00.

Photo 8: An additional photo showing the stabilized ROW near station 3000+00.

Photo 9: Photo illustrates the replaced ECDs and rock construction entrance near station 3390+00.

Photo 10: Photo illustrates the stabilized areas where the dewatering structure was removed near station 3390+00.

Photo 11: Photo illustrates the repaired supersilt fence (SSF) near station 2917+00

Photo 12: Photo illustrates a re-contoured waterbar to provide proper drainage near station 3465+00.

Photo 13: Photo illustrates the replaced SSF near station 3290+00.

Photo 14: Photo illustrates the off-site sediment has been removed and the area stabilized near station 3290+00.

General Permit No WV0116815

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
WV OIL AND GAS CONSTRUCTION STORMWATER PERMIT

FACILITY NAME:	Mountain Valley Pipeline Project			**REG. #**	**EXPIRE DATE:**
PERMITTEE	MOUNTAIN VALLEY PIPELINE, LLC			WVR310667	12/1/2020
ADDRESS/PHONE:	Attn: MATTHEW HOOVER 625 LIBERTY AVE, ST 1700 PITTSBURG, PA 15222 (724)873-3645				
LOCATION:	Clover Fork Road			**Entry Date/Time:**	8/14/2019 @ 09:10
COUNTY:	Lewis			**Exit Date/Time:**	8/14/2019 @ 17:40
Site Representative /Phone	Brad Swiger / (304)848-0066			**PHOTOS** ☒	
CO-PERMITTEE:			**ADDRESS:**		
SITE OPERATOR:	Precision Pipeline		**ADDRESS:**	3314 56th Street; Eau Claire, WI 54703	
PERMITTED ACREAGE	4311	**WEATHER:** Sunny		**LAST INSPECTION:**	N/D
RECEIVING STREAM(S)	Clover Fork / Meadow Run / Oil Creek / Threelick Run / Brush Run / Sand Fork / Loveberry Run / Cove Lick / Laurel Run / Fink Creek / Smoke Camp Run				**NOV: W19-21-074-TJC**
Regular Mail ☐ **Certified Mail** ☒	**Tracking #**				
OVERALL FACILITY RATING:	**Unsatisfactory**	**COMPLIANCE OUTCOME**	**Not Immediately Corrected**		

PERMIT / SITE EVALUATION

S-Satisfactory U-Unsatisfactory N/A-Not Applicable N/O-Not Observed N/D Not Determined M-Marginal Y-Yes N-No

1. PERIMETER CONTROLS	U	9. HOUSEKEEPING/SOLID WASTE	S	17. CONCRETE WASHOUT	N/A
2. DIVERSIONS/DITCH CHECKS	U	10. RECORDS, REPORTS & PLANS ON SITE	N/O	18. PUBLIC NOTICE SIGN	N/O
3. SEDIMENT TRAPS/BASINS	N/A	11. STABLE CONSTRUCTION ENTRANCE	S	19. SEDIMENT LADEN WATER LEAVING SITE	U
4. OUTLET MARKERS	N/A	12. MUD ON ROADWAY/DUST	S	20. CONDITIONS NOT ALLOWABLE	M
5. WASTE/BORROW SITES	N/A	13. APPROPRIATE BMP'S IMPLEMENTED	M	21. SWPPP/ GPP/PERMIT COMPLIANCE	U
6. OPERATIONS & MAINTENANCE	U	14. FILL SLOPE PROTECTION	M	22. ORDER COMPLIANCE	N/A
7. WATER BARS	U	15. DEVICES INSTALLED IN TIMELY MANNER	M	23. OTHER:	N/A
8. STABILIZATION PRACTICES	M	16 DROP INLET PROTECTION	N/A	24. OTHER:	N/A

COMMENTS DEFICIENCIES AND RECOMMENDATIONS

COMMENTS:

A partial inspection of Spread B was conducted as a result of 17 citizen complaints. Areas inspected include:

1). Project area from 3460+00 to 3456+00.
2). Project area from 3417+00 to 3413+00.
3). Project area from 3282+00 to 3297+00.
4). Project area from 3205+00 to 3193+00.
5). Project area from 3000+00 to 2986+00.
6). Project area from 2918+00 to 2921+00.
7). Project area from 2816+00 to 2813+00.
8). Project area from 2771+00 to 2765+00.
9). Access road MVP-LE-89.
10). Project area from 2704+00 to 2703+00.
11). Project area from 2366+00 to 2362+00.
12). Access road MVP-LE-057.2.

9/20

13). Project area adjacent to 2295+00.
14). Access road MVP-LE-54.0.
All deficiencies were relayed to the site representative at the time of inspection.

MARGINAL DEFICIENCIES:

1). (7, 13, 15, 19 & 21) Three water bars in inspected area 5 were noted as lacking the water bar terminus BMPs that are indicated in the approved SWPPP.
2). (8) An area of disturbance associated with an extra workspace in inspected area 8 appeared to have been idle for greater than 21 days and lacked temporary stabilization.

DEFICIENCIES:

1). (2, 7, 8, 14, 19, 20 & 21) Water bars that were improperly installed were noted in areas scattered throughout the inspected area (Inspected areas 1, 2, 5 & 8). Water bars that were installed at steep angles (> 12%) were noted. Water bars that were installed at varying angles were noted. Water bars that did not extend across the entire disturbed right of way and terminated prior to the installed perimeter silt fence were noted. Water bars that discharged stormwater over unprotected fill slopes were noted. A small amount of fill slope erosion was noted as a result.
Six improperly installed water bars on the project area adjacent to 2768+00 (inspected area 8) were discharging into a stabilized diversion. The installed diversion carried the stormwater to the base of the hill where it was being treated with two pieces of perimeter silt fence. The amount of stormwater being directed at the installed perimeter controls overwhelmed the BMPs and caused a significant amount of offsite sediment deposits adjacent to Cove Run. The improperly installed water bars in this area could have been installed so that they discharged at a point with positive drainage so that the water bar outlets would discharge offsite in small quantities as designed.
2). (1, 6, 19 & 20) Perimeter controls that were in need of maintenance were noted in areas scattered throughout the inspected area (inspected areas 3 & 6). This deficiency caused sediment laden water to bypass treatment and led to offsite sediment laden water adjacent to 2919+50. The offsite sediment laden water adjacent to 2919+50 occurred due to a dewatering operation at the time of inspection and placed sediment laden water in a DOH conveyance.
3). (1, 19 & 21) Improperly installed timber mat equipment bridges were noted at the Clover Run (inspected area 1), Oil Creek (inspected area 3) and Cove Run (S-K-45; inspected area 8) crossings. The installed perimeter controls were not properly merged with the installed timber mat equipment bridges which caused areas where sediment laden water could bypass treatment.
4). (1, 19 & 21) An improperly installed straw bale dewatering structure was noted in the Cove Run watershed adjacent to 2770+00 (inspected area 8). The dewatering structure had a layer of impermeable plastic inside of the geotextile fabric which caused the structure to not function as designed. Offsite sediment deposits were noted as a result.
5). (19 & 20) Offsite sediment deposits were noted adjacent to 3290+00 as a result of a dewatering structure that was placed off of the permitted LOD. The dewatering structure had been removed at the time of inspection. A small amount of sediment deposits were noted in the DOH conveyance.

WARNINGS: Immediately take all measures necessary to comply with all terms and conditions of the WV/NPDES general permit. Section B- Install all BMPs that are indicated in the approved SWPPP. Section G.4.e.2.A.i.-Provide interim stabilization on areas where construction activities have temporarily ceased for more than 21 days. G.4.e.2.A.ii.f.-Protect fill slopes from concentrated flow erosion.

INSPECTOR: Tim Casto Telephone: (304)288-6219

Modified: 10/13/2017 JHH

STATE OF WEST VIRGINIA
Department of Environmental Protection
Environmental Enforcement

NOTICE OF VIOLATION

Violation No **W19-21-074-TJC**

To the Operator or Agent of:

Facility Name: **Mountain Valley Pipeline Project** Permit No. **WVR310667**

Permittee or Individual: **MOUNTAIN VALLEY PIPELINE, LLC**

Located at or near: **Marshville** in **Harrison** County

Representative: **MATTHEW HOOVER** Date: **8/14/2019** Time: **09:10**

Address / phone number: **625 LIBERTY AVE, ST 1700, PITTSBURG, PA 15222 / (724)873-3645**

Whereas, an inspection of the above named operation by the undersigned, duly authorized agent of the Secretary, at which the following described condition or practice exists, in violation of Chapter **22**, Article **11**, Section(s) **1 et. Seq.** of the Code of West Virginia and/or Section(s) _____ of the Rules and Regulations and/or Section(s) **D & G** of the Permit referenced above promulgated thereunder in that you:
Have violated the following terms and conditions of WV/NPDES General Water Pollution Control Permit No. WV0116815, Registration No. WVR310667:
1. Section G.4.e.2.- Mountain Valley Pipeline LLC. failed to properly implement controls. Water bars that were improperly installed were noted in areas scattered throughout the inspected area. Water bars that were installed at steep angles (> 12%) were noted. Water bars that were installed at varying angles were noted. Water bars that did not extend across the entire disturbed right of way and terminated prior to the installed perimeter silt fence were noted. Water bars that discharged stormwater over unprotected fill slopes were noted. Six improperly installed water bars on the project area adjacent to 2768+00 were discharging into a stabilized diversion. The installed diversion carried the stormwater to the base of the hill where it was being treated with two pieces of perimeter silt fence. The amount of stormwater being directed at the installed perimeter controls overwhelmed the BMPs and caused a significant amount of offsite sediment deposits adjacent to Cove Run. Improperly installed timber mat equipment bridges were noted at the Clover Run, Oil Creek and Cove Run (S-K-45) crossings. The installed perimeter controls were not properly merged with the installed timber mat equipment bridges which caused areas where sediment laden water could bypass treatment. An improperly installed straw bale dewatering structure was noted in the Cove Run watershed adjacent to 2770+00. The dewatering structure had a layer of impermeable plastic inside of the geotextile fabric which caused the structure to not function as designed.
2. Section D.1.- Mountain Valley Pipeline LLC. failed to operate and maintain all erosion control devices. Perimeter controls that were in need of maintenance were noted in areas scattered throughout the inspected area. This deficiency caused sediment laden water to bypass treatment and led to offsite sediment laden water adjacent to 2919+50. The offsite sediment laden water adjacent to 2919+50 occurred due to a dewatering operation at the time of inspection.
3. Section G.4.e.2.A.ii.j. - Mountain Valley Pipeline LLC. failed to prevent sediment-laden water from leaving the site without going through an appropriate device. Sediment laden water bypassed treatment due to improperly installed BMPs and poorly maintained BMPs.

The following corrective measures were discussed with you at the time of this inspection:
Take measures to correct the aforementioned violations.

Within **20** days provide a written response to the inspector named below, at the address indicated, detailing the actions taken to abate this violation.

Received by:
Sent Certified Mail--70181830000117105177

Signature	Title
Duly Authorized Agent / Inspector	

(304)288-6219	tim.j.casto@wv.gov
Telephone	E-mail

Send Response to the Inspector at the address indicated below:

WV Department of Environmental Protection
Environmental Enforcement / WW
2031 Pleasant Valley Road; Fairmont, WV 26554

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Improperly installed water bar in inspected area 1 showing it installed at a steep angle and discharging prior to the installed perimeter controls.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Improperly installed water bar in inspected area 1 showing it installed at a steep angle and discharging prior to the installed perimeter controls.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Improperly installed water bar in inspected area 2 showing it discharging over a steep slope with no fill slope protection in place.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Improperly installed water bars in inspected area 5 showing them installed at a steep angle and discharging prior to the installed perimeter controls.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Improperly installed water bars in inspected area 8 showing water bars that are discharging into a diversion with stormwater from the diversion being directed at two pieces of installed perimeter controls.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Recently maintained perimeter control that was utilized to treat stormwater from six water bars upslope of the pictured BMP.

Recent offsite sediment deposits that originate from site downslope of the above pictured BMP.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Improperly installed timber mat equipment bridge at the Clover Run (inspected area 1) crossing showing areas where sediment laden water can bypass treatment.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Improperly installed timber mat equipment bridge at the Oil Creek (inspected area 3) crossing showing an area where sediment laden water can bypass treatment.

Improperly installed timber mat equipment bridge at the Cove Run (S-K-45) (inspected area 8) crossing showing an area where sediment laden water can bypass treatment.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Offsite sediment deposits adjacent to inspected area 3 showing where a dewatering structure was placed offsite and caused offsite deposits.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Dewatering structure with impermeable plastic installed causing it to not function as designed in inspected area 8.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Dewatering structure with impermeable plastic installed causing it to not function as designed in inspected area 8. Offsite sediment deposits pictured.

Offsite sediment deposits as a result of the above pictured deficiency.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Sediment laden water that has bypassed under the installed perimeter control in inspected area 3 as a result of failure to properly operate and maintain the installed BMP. Offsite sediment deposits pictured.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Offsite sediment deposits as a result of the previously pictured deficiency in inspected area 3.

Perimeter controls in need of maintenance in inspected area 3.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Dewatering bag being utilized in inspected area 6.

Perimeter control downslope of the above pictured dewatering bag.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Perimeter control in inspected area 6 downslope of the previously pictured dewatering bag showing the need for maintenance and sediment laden water bypassing treatment.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Onsite sediment laden water in DOH conveyance.

Offsite sediment laden water in DOH conveyance that leads from the previously pictured dewatering operation with the unmaintained perimeter control.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Water bar in inspected area 5 showing the lack of a water bar terminus BMP that is indicated in the approved SWPPP.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread B, 8/14/2019

Area of disturbance associated with an extra workspace in inspected area 8 showing the lack of temporary stabilization even though it appears that the site has been idle for a long period of time.

September 4, 2019

Mr. Jason Liddle
West Virginia DEP - Environmental Enforcement/WW
131 Peninsula St
Wheeling, WV 25304

Re: Mountain Valley Pipeline Project (Permit No. WVR310667)
Response to Notice of Violation No. W19-51-024-JTL

Dear Mr. Liddle:

This letter is in response to Notice of Violation No. W19-51-024-JTL issued to Mountain Valley Pipeline, LLC (Mountain Valley) by the West Virginia Department of Environmental Protection (WVDEP). The NOV was the result of a WVDEP inspection completed on July 18, 2019 in sections of Webster County (Spread C).

Mountain Valley investigated accordingly and completed the following corrective actions to address and abate any alleged issues within NOV No. W19-51-024-JTL:

Corrective Actions

- Mountain Valley has incorporated additional compost filter sock (CFS), rock filtering, Priority 1 (P-1) silt fence, and rock stabilization along access road WB-119; and
- Sediment that was observed off the LOD has been returned to the project area.

The attached photographs illustrate the actions that have been incorporated into the project area.

***

Mountain Valley believes the issues listed in the NOV have been fully addressed and resolved. If you have questions or need additional information, please do not hesitate to contact me at (724) 873-3009 or via email at mhoover@equitransmidstream.com.

Sincerely,

Matthew S. Hoover
EQT - Sr. Environmental Coordinator

CC: Project File

Attachment A
Corrective Action Photos

Photo 1: Photo illustrates the additional compost filter sock (CFS) that has been installed along AR WB-119

Photo 2: Photo illustrates the additional rock filter along the perimeter of AR WB-119

Photo 3: Photo illustrates the additional silt fence that has been installed to increase sediment retention and infiltration along AR WB-119.

Photo 4: Photo illustrates additional CFS that has been installed along AR WB-119.

Photo 5: Photo illustrates the rock stabilization that has been installed along AR WB-119.

Photo 6: Photo illustrates the installation of additional Priority 1 (P1) silt fence that has been installed along AR WB-119.

September 11, 2019

Mr. Jason Liddle
West Virginia DEP - Environmental Enforcement/WW
131 Peninsula St
Wheeling, WV 25304

Re: Mountain Valley Pipeline Project (Permit No. WVR310667)
Response to Notice of Violation No. W19-04-025-JTL

Dear Mr. Liddle:

This letter is in response to Notice of Violation No. W19-04-025-JTL issued to Mountain Valley Pipeline, LLC (Mountain Valley) by the West Virginia Department of Environmental Protection (WVDEP). The NOV was the result of a WVDEP inspection completed on August 1, 2019 in sections of Braxton County (Spread C).

Mountain Valley investigated accordingly and completed the following corrective actions to address and abate any alleged issues within NOV No. W19-04-025-JTL:

Corrective Actions

- Mountain Valley has addressed erosion concerns within the Limits of Disturbance (LOD) by reworking (smoothing/grading) the surface and hydroseeding or mulching where necessary;
- Mountain Valley also installed additional ECDs such as Erosion Control Blanketing (ECB), stabilizing gravel/rock, Priority 1 (P-1) silt fence, and supersilt fence; and
- Sediment that was observed off the LOD has been returned to the project area.

The attached photographs illustrate the actions that have been incorporated into the project area.

***

Mountain Valley believes the issues listed in the NOV have been fully addressed and resolved. If you have questions or need additional information, please do not hesitate to contact me at (724) 873-3009 or via email at mhoover@equitransmidstream.com.

Sincerely,

Matthew S. Hoover
Mountain Valley Pipeline, LLC - Sr. Environmental Coordinator

CC: Project File

Attachment A
Corrective Action Photos

Photo 1: Photo illustrates the stabilization in the area near station 3897+50.

Photo 2: Photos shows the regraded diversion berm near station No. 3897+50.

Photo 3: Photo illustrates the additional gravel and erosion control blanketing (ECB) that has been installed along AR MVP-BR-099.

Photo 4: Photo illustrates the cleaned/maintained area outside the LOD near AR BR-099.

Photo 5: Photo illustrates the rocklined drainage swale and ECB that have been installed near Access Road BR-097.

Photo 6: Photo illustrates the area near Station 3831+00 that has been upgraded with Priority 1 (P-1) silt fence and the sediment returned to the ROW.

Photo 7: Photo illustrates the new silt fence that has been installed above US19/Hwy4. The area has also been seeded and mulched.

Photo 8: Photo provides another view of the new supersilt fence that has been installed above US19/Hwy4.

Photos 9 and 10: Photo illustrates the regraded and stabilized area near station 3830+00

STATE OF WEST VIRGINIA
Department of Environmental Protection
Environmental Enforcement

NOTICE OF VIOLATION

Violation No **W19-04-025-JTL**

To the Operator or Agent of:

Facility Name: **Mountain Valley Pipeline Project** Permit No. **WVR310667**

Permittee or Individual: **MOUNTAIN VALLEY PIPELINE, LLC**

Located at or near: Station No. 3897+75, 3829+00-3831+00, BR-095, BR-096, BR-097, BR-099 in **Braxton** County

Representative: **MATTHEW HOOVER** Date: **8/01/19** Time: **12:00pm**

Address / phone number: **625 LIBERTY AVE, ST 1700, PITTSBURG, PA 15222 / 7248733645**

Whereas, an inspection of the above-named operation by the undersigned, duly authorized agent of the Secretary, at which the following described condition or practice exists, in violation of Chapter **22**, Article **11**, Section(s) **1 et. Seq.** of the Code of West Virginia and/or Section(s)of the Rules and Regulations and/or Section(s) **D&G** of the Permit referenced above promulgated thereunder in that you:
Have violated the following terms and conditions of WV/NPDES General Water Pollution Control Permit No. WV0116815, Registration No. WVR310667:

Section D.1. - Permittee has failed to properly operate and maintain all systems of treatment and controls: At Access Roads BR-095, BR-097 and BR-099 controls had not been maintained and at station No.'s 3831+00 through 3829+00 controls had not been implemented correctly and or were not being maintained causing erosion and sediment to be deposited past the LOD.
Section G.4.e.2.A.ii.f. - Permittee has failed to protect fill slopes: At station No.'s 3831+00 through 3829+00 fill slope erosion was occurring between waterbars causing controls to be overwhelmed and sediment deposits to be present in the ditch that parallel's US 19/HWY 4 and past the LOD at station No. 3831+00.
Section G.4.e.2. - Permittee has failed to implement controls appropriate for the project: At station No. 3831+00 through 3829+00 waterbars were terminating onto the ROW causing erosion to occur on the slope that led to control failures above US19/Hwy4.
Section G.4.e.2.A.ii.j.-Permittee has failed to prevent sediment laden water from leaving the site without going through an appropriate device: Sediment deposits were observed past the LOD at station No. 3831+00 and in a roadside ditch that parallels US 19/HWY 4 at station No. 3829+00. At Access Road MVP-BR-097 sediment deposits were present past the LOD. In the Roadside ditch near station No. 3897+75 downslope of MVP-BR-099 sediment deposits were observed above Stream S-K34/35. Sediment deposits were observed past the LOD due to a Waterbar failure South of BR-099 on MVP ROW. Sediment deposits were present past LOD at BR-097.

The following corrective measures were discussed with you at the time of this inspection:
Take measures to correct the aforementioned violations.

Within **20** days provide a written response to the inspector named below, at the address indicated, detailing the actions taken to abate this violation.

Received by:
Sent Certified Mail–70181830000117105160

Signature | Title

Duly Authorized Agent / Inspector | **304-859-4399** Telephone | **Jason.T.Liddle@wv.gov** E-mail

Send Response to the Inspector at the address indicated below:
WV Department of Environmental Protection
Environmental Enforcement / WW
1159 Rahall Greenway, Fayetteville, WV 25840

Facing North where Access Road MVP-BR-099 intersects ROW near station No. 3897+75. Arrow depicts diversion berm installed and where Run-off was overtopping the berm and flowing downslope.

Standing downslope of diversion berm near station no. 3897+75. Arrow depicts where sheet flow due to run-off was occurring.

Standing below diversion berm and facing CR 24 and MVP-BR-099. Arrow depicts direction of sheet flow and sediment transportation downslope towards CR24.

Access Road MVP-BR-099 facing CR 24 (Green Hill Road) ditch line. Arrow depicts where run-off was conveying towards ditch.

Facing downslope at intersection of BR-099 and CR24. Arrow depicts ditch line and where sediment deposits were observed.

Sediment deposits observed along CR 24 downslope of Access Road MVP-BR-099 near station No. 3897+75.

Sediment deposits observed along CR 24 downslope of Access Road MVP-BR-99 near station No. 3897+75.

Sediment deposits observed along CR 24 downslope of Access Road MVP-BR-099 near station No. 3897+75. Arrow depicts culvert location that conveys under CR 24. Culvert inlet also demarcates where delineated stream S-K35 begins.

Waterbar that was overwhelmed with run-off causing undermining of controls leading to erosion downslope of controls South of BR-099 near station No. 3897+75.

Downslope of Waterbar control failure South of BR-099 near station No. 3897+75. Sediment deposits observed past the LOD.

MVP-BR-095 facing upslope above US19/Hwy4. Arrow depicts where road was eroded out overwhelming downslope controls.

MVP-AR-095 upslope above CR 19. Arrow depicts where road was eroded out overwhelming downslope controls.

Controls located below washed out section of AR-095 and above stream S-J74 and Wetland W-J42. Arrow depicts where controls where overwhelmed and evidence that sediment laden water had flowed past controls was observed.

Sediment deposited behind controls at the entrance to BR-095 adjacent to US19/Hwy4. Arrow depicts sediment deposits past LOD above Stream S-J74 and Wetland W-J42.

Standing above Access Road MVP-BR-097 and Falls Run (Stream S-J70) facing North. Run-on entering LOD and causing sediment to overwhelm controls. Arrow depicts where Run-On was coming onto Access Road.

Facing Access Road MVP-BR-097. Controls overwhelmed with sediment due to run-on causing erosion. Controls had not been maintained. Arrow depicts dewatering structure.

Facing upslope at MVP-BR-097. Arrow depicts where run-on was coming onto site. Sandbags had been installed to divert run-on away from site but had failed due to concentrated flow upslope of LOD.

Perimeter controls below MVP-BR-097. Sediment laden water ponded behind controls.

Perimeter controls below timber mat bridge on edge of LOD with sediment deposits past the LOD below MVP-BR-097.

Sediment deposits present below MVP-BR-097 past the LOD and controls

Sediment deposits pas the LOD and controls below MVP-BR-097.

Controls above the South side of the Falls Run (Stream S-J70) and US 19/Hwy4 ROW crossing. Scouring present below controls. No sediment deposits observed below controls or in Falls Run on day of inspection.

Standing above stream S-J70 and below US19/Hwy4 crossing near station No. 3829+00. Arrow depicts slope with lack of temporary stabilization.

Slope above US19/Hwy4 and station No. 3831+00 not stabilized. Waterbars terminating onto ROW and not at edge of LOD. Arrow depicts erosion occurring below Waterbar on slope.

Downslope of Waterbar terminating onto ROW at station No. 3831+00. Arrow depicts where Perimeter controls were undercut from run-off and sediment deposits were observed past the LOD.

Further downslope from station No. 3831+00. Arrow depicts Erosion present below Waterbar on slope.

Travel lane on slope near station No. 3831+00. Erosion present in travel lane leading to Waterbar being overwhelmed with sediment and not functioning as designed.

Near station No. 3831+00. Erosion present in travel lane leading to Waterbar being overwhelmed with sediment and not functioning as designed. Arrow depicts sediment deposited behind Waterbar.

Perimeter controls at base of slope above US19/Hwy4 crossing. Controls overwhelmed with sediment causing control failure above roadside ditch.

Sediment present in ditch that parallels US19/Hwy4 due to control failure. Arrow depicts control failure at base of slope.

September 11, 2019

Mr. Tim Casto
West Virginia DEP - Environmental Enforcement/WW
131 Peninsula St
Wheeling, WV 25304

Re: Mountain Valley Pipeline Project (Permit No. WVR310667)
Response to Notice of Violation No. W19-04-073-TJC

Dear Mr. Casto:

This letter is in response to Notice of Violation No. W19-04-073-TJC issued to Mountain Valley Pipeline, LLC (Mountain Valley) by the West Virginia Department of Environmental Protection (WVDEP). The NOV was the result of a WVDEP inspection completed on August 14, 2019 in sections of Braxton County (Spread C).

Mountain Valley investigated accordingly and completed the following corrective actions to address and abate any alleged issues within NOV No. W19-04-073-TJC:

Corrective Actions

- Mountain Valley has incorporated additional compost filter sock (CFS), rock filtering, and gravel along access road BR-092.01;
- Mountain Valley also stabilized and seeded the project area near Station 3760+00; and
- Returned sediment that was observed off the LOD to the project area.

The attached photographs illustrate the actions that have been incorporated into the project area.

***

Mountain Valley believes the issues listed in the NOV have been fully addressed and resolved. If you have questions or need additional information, please do not hesitate to contact me at (724) 873-3009 or via email at mhoover@equitransmidstream.com.

Sincerely,

Matthew S. Hoover
Mountain Valley Pipeline, LLC - Sr. Environmental Coordinator

CC: Project File

Attachment A
Corrective Action Photos

Photo 1: Photo illustrates the additional rock that was placed in the drainage swale adjacent to access road BR-092.01. This is upslope of the culvert in Photo 2.

Photo 2: Photo illustrates cleaned culvert and additional stone along access road (AR) BR-092.01

Photo 3 and 4: Photo illustrates the additional compost filer sock and gravel that has been installed along WB-092.01 .

Photo 5: Photo illustrates the rock stabilization and CFS that has been installed along AR WB-092.01 near Keiths Run.

Photo 6: Photo illustrates the sediments have been removed from Keiths Run.

Photo 7: Photo illustrates the rock stabilization that has been installed along AR WB-092.01

Photo 8: Photo illustrates the stabilization of the right-of-way near station 3760+00.

General Permit No WV0116815

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
WV OIL AND GAS CONSTRUCTION STORMWATER PERMIT

FACILITY NAME:	Mountain Valley Pipeline Project			**REG. #**	**EXPIRE DATE:**
PERMITTEE	MOUNTAIN VALLEY PIPELINE, LLC			WVR310667	12/1/2020
ADDRESS/PHONE:	Attn: MATTHEW HOOVER 625 LIBERTY AVE, ST 1700 PITTSBURG, PA 15222 (724)873-3645				
LOCATION:	WV-4			**Entry Date/Time:**	8/14/2019 @ 07:15
COUNTY:	Braxton			**Exit Date/Time:**	8/14/2019 @ 08:55
Site Representative /Phone	Brad Swiger / (304)848-0066			**PHOTOS ☒**	
CO-PERMITTEE:			**ADDRESS:**		
SITE OPERATOR:	Precision Pipeline		**ADDRESS:**	3314 56th Street; Eau Claire, WI 54703	
PERMITTED ACREAGE	4311	**WEATHER:** Cloudy		**LAST INSPECTION:**	N/D
RECEIVING STREAM(S)	Keith Run / Knawl Creek				**NOV: W19-04-073-TJC**
Regular Mail ☐ Certified Mail ☒	**Tracking #**				
OVERALL FACILITY RATING:	**Unsatisfactory**	**COMPLIANCE OUTCOME**	**Not Immediately Corrected**		

PERMIT / SITE EVALUATION

S-Satisfactory U-Unsatisfactory N/A-Not Applicable N/O-Not Observed N/D Not Determined M-Marginal Y-Yes N-No

1. PERIMETER CONTROLS	M	9. HOUSEKEEPING/SOLID WASTE	S	17. CONCRETE WASHOUT	N/A
2. DIVERSIONS/DITCH CHECKS	U	10. RECORDS, REPORTS & PLANS ON SITE	N/O	18. PUBLIC NOTICE SIGN	N/O
3. SEDIMENT TRAPS/BASINS	N/A	11. STABLE CONSTRUCTION ENTRANCE	M	19. SEDIMENT LADEN WATER LEAVING SITE	U
4. OUTLET MARKERS	N/A	12. MUD ON ROADWAY/DUST	M	20. CONDITIONS NOT ALLOWABLE	U
5. WASTE/BORROW SITES	N/A	13. APPROPRIATE BMP'S IMPLEMENTED	U	21. SWPPP/ GPP/PERMIT COMPLIANCE	U
6. OPERATIONS & MAINTENANCE	U	14. FILL SLOPE PROTECTION	S	22. ORDER COMPLIANCE	N/A
7. WATER BARS	U	15. DEVICES INSTALLED IN TIMELY MANNER	U	23. OTHER:	N/A
8. STABILIZATION PRACTICES	M	16 DROP INLET PROTECTION	N/A	24. OTHER:	N/A

COMMENTS DEFICIENCIES AND RECOMMENDATIONS

COMMENTS:

A partial inspection of Spread C was conducted as a result of 4 citizen complaints. Areas inspected include:

1). Access road MVP-BR-092.01.
2). Project area from 3787+86 to 3799+00.
3). Project area from 3752+00 to 3761+00.
4). Access road MVP-BR-89.01.

A complaint regarding the vegetative stabilization of the right of way was received. The areas of the right of way where seed had failed to germinate had been reseeded. Seed was observed on the ground in those areas.

MARGINAL DEFICIENCIES:

1). (1, 13, 15, 19 & 21) An area of disturbance where sediment laden water was leaving the site and the approved SWPPP does not indicate the need for a BMP was noted in inspected area 3. The lack of an installed BMP caused offsite sediment deposits.

2). (6, 8, 11 & 12) Access road MVP-BR-89.01 was in need of maintenance to the rock construction entrance adjacent to the public road. A small amount of track out was noted.

3). (1, 19 & 21) A culvert on access road MVP-BR-092.01 lacked a BMP at the outlet. There were no offsite sediment deposits associated with this deficiency due to the culvert head being plugged.

DEFICIENCIES:

1). (2, 6, 8, 13, 15, 19 & 20) A culvert on access road MVP-BR-092.01was plugged and in need of maintenance. This allowed concentrated flow stormwater to flow from the top of the slope to the base of the slope. The approved SWPPP indicates the need for ditch checks in the upslope ditch of all access roads as well as rock outlet protection and a sediment control device placed at the outlets of the installed culverts. The access road lacked the proposed ditch checks, rock outlet protection and an installed sediment control device at the outlet of the installed culverts. These deficiencies caused offsite sediment deposits and Conditions Not Allowable (CNA) deposits in Keith Run (38° 47.179' X 80° 31.816') in two locations. The roadside ditch lacked adequate BMPs to prevent sediment laden water from leaving the site.

2). (6, 7 & 19) A water bar terminus BMP in inspected area 3 was inundated with sediment and in need of maintenance. This caused offsite sediment deposits.

WARNINGS: Immediately take all measures necessary to comply with all terms and conditions of the WV/NPDES general permit. Section G.4.c: Modify your SWPPP when the SWPPP proves to be ineffective in achieving the general objectives of controlling pollutants in storm water discharges.

INSPECTOR: Tim Casto Telephone: (304)288-6219

Modified: 10/13/2017 JHH

STATE OF WEST VIRGINIA
Department of Environmental Protection
Environmental Enforcement
NOTICE OF VIOLATION

Violation No **W19-04-073-TJC**

To the Operator or Agent of:

Facility Name: **Mountain Valley Pipeline Project** Permit No. **WVR310667**

Permittee or Individual: **MOUNTAIN VALLEY PIPELINE, LLC**

Located at or near: **Falls Mill** in **Braxton** County

Representative: **MATTHEW HOOVER** Date: **8/14/2019** Time: **08:55**

Address / phone number: **625 LIBERTY AVE, ST 1700, PITTSBURG, PA 15222 / (724)873-3645**

Whereas, an inspection of the above named operation by the undersigned, duly authorized agent of the Secretary, at which the following described condition or practice exists, in violation of Chapter **22**, Article **11**, Section(s) **1 et. Seq.** of the Code of West Virginia and/or Section(s) **Title 47, Series 2, Section 3.2.b.** of the Rules and Regulations and/or Section(s) **B, D & G** of the Permit referenced above promulgated thereunder in that you:

Have violated the following terms and conditions of WV/NPDES General Water Pollution Control Permit No. WV0116815, Registration No. WVR310667:

1. Section D.1.- Mountain Valley Pipeline LLC. failed to operate and maintain all erosion control devices. A culvert on access road MVP-BR-092.01 was plugged and in need of maintenance. This allowed concentrated flow stormwater to flow from the top of the slope to the base of the slope which caused offsite sediment deposits. A water bar terminus BMP in inspected area 3 (adjacent to 3760+00) was inundated with sediment and in need of maintenance.

2. Section G.4.e.2.A.ii.j.- Mountain Valley Pipeline LLC. failed to prevent sediment-laden water from leaving the site without going through an appropriate device. This deficiency was a result of poorly maintained BMPs which allowed sediment laden water to bypass treatment.

3. Section B- Mountain Valley Pipeline LLC. failed to comply with the General Permit and approved Storm Water Pollution Prevention Plan (SWPPP). The approved SWPPP indicates the need for ditch checks in the upslope ditch of all access roads as well as rock outlet protection and a sediment control device placed at the outlets of the installed culverts. The access road lacked the proposed ditch checks, rock outlet protection and an installed sediment control device at the outlet of the installed culverts.

Have violated the following WV Legislative Rules (Requirements Governing Water Quality Standards):

4. Title 47, Series 2, Section 3.2.b.-Caused conditions not allowable in waters of the State by allowing sediment deposits on the bottom of Keith Run (38° 47.179' X 80° 31.816') in two locations.

The following corrective measures were discussed with you at the time of this inspection:
Take measures to correct the aforementioned violations.

Within **20** days provide a written response to the inspector named below, at the address indicated, detailing the actions taken to abate this violation.

Received by:

Sent Certified Mail--70181830000117105184

Signature Title

Duly Authorized Agent / Inspector

(304)288-6219 Telephone

tim.j.casto@wv.gov E-mail

Send Response to the Inspector at the address indicated below:
WV Department of Environmental Protection
Environmental Enforcement / WW
2031 Pleasant Valley Road; Fairmont, WV 26554

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project - Spread C, 8/14/2019

Culvert inlet on access road MVP-BR-092.01 showing the need for ma

provide photo of stabilization along BR-092.01

Outlet of the above pictured culvert showing the lack of installed outlet protection and the lack of a BMP.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread C, 8/14/2019

Photo Received

Access road MVP-BR-092.01 showing the area where concentrated flow stormwater is flowing from the top of the slope to the base of the hill due to poor maintenance on the installed culvert. The diversion lacks installed BMPs.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread C, 8/14/2019

The bottom of the slope on access road MVP-BR-092.01.

Trail of sediment deposits leading to Keith Run from the above pictured area.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread C, 8/14/2019

Trail of sediment deposits leading to Keith Run from access road MVP-BR-092.01.

Trail of sediment deposits leading to Keith Run from access road MVP-BR-092.01.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread C, 8/14/2019

CNA deposits in Keith Run (38° 47.179' X 80° 31.816') as a result of the previously pictured deficiencies.

CNA deposits in Keith Run (38° 47.179' X 80° 31.816') as a result of the previously pictured deficiencies. Picture shows contractor working on removing the deposits.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread C, 8/14/2019

Trail of sediment from access road MVP-BR-092.01 that leads to Keith Run.

CNA CNA deposits in Keith Run (38° 47.179' X 80° 31.816') at the second location.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread C, 8/14/2019

Water bar terminus BMP adjacent to 3760+00 that is in need of maintenance.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread C, 8/14/2019

Water bar terminus BMP adjacent to 3760+00 that is in need of maintenance.

Offsite sediment deposits downslope of the above pictured BMP.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread C, 8/14/2019

Project area in the Keith Run watershed showing where sediment laden water is leaving the site in an area where the approved SWPPP does not indicate the need for an installed BMP.

Offsite sediment deposits associated with the above pictured deficiency.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread C, 8/14/2019

Provide Photo showing maintained RCE.

Access road MVP-BR-89.01 showing the need for maintenance to the installed rock construction entrance.

MOUNTAIN VALLEY PIPELINE, LLC, WVR310667, Mountain Valley Pipeline Project – Spread C, 8/14/2019

Access road MVP-BR-89.01 showing the small amount of track out onto the public roadway.

September 11, 2019

Mr. Jason Liddle
West Virginia DEP - Environmental Enforcement/WW
131 Peninsula St
Wheeling, WV 25304

Re: Mountain Valley Pipeline Project (Permit No. WVR310667)
Response to Notice of Violation No. W19-45-026-JTL

Dear Mr. Liddle:

This letter is in response to Notice of Violation (NOV) No. W19-45-026-JTL issued to Mountain Valley Pipeline, LLC (Mountain Valley) by the West Virginia Department of Environmental Protection (WVDEP). The inspection was completed on August 7, 2019 along portions of Spread F in Summers County.

Mountain Valley investigated accordingly and completed the following corrective actions to address and abate any alleged issues within NOV No. W19-45-026-JTL:

Corrective Actions

- Installed slope drains, stabilized fill slopes, and maintained sumps;
- Repaired and maintained supersilt fence (SSF) throughout the inspection area;
- Regraded and applied temporary stabilization in the inspection area;
- Stabilized slopes and maintained the temporary diversion berms; and
- Returned sediment to the right-of-way (ROW) and stabilized these areas.

The attached photographs illustrate the actions that have been incorporated into the project area.

***

Mountain Valley believes the issues listed in the NOV have been fully addressed and resolved. If you have questions or need additional information, please do not hesitate to contact me at (724) 873-3009 or via email at mhoover@equitransmidstream.com.

Sincerely,

Matthew S. Hoover
Mountain Valley Pipeline, LLC - Sr. Environmental Coordinator

CC: Project File

Attachment A
Corrective Action Photos

Photo 1: Photo illustrates maintained and repaired supersilt fence (SSF) near Station 8951+00.

Photo 2: Photo illustrates the temporary stabilization that has been installed at Station 8951+00.

Photo 3: Photo shows the area that had sediment off LOD has been restored and the sediment returned to the right-of-way (ROW).

Photo 4: Photo illustrates the area where sediment has been returned the ROW and the ECDs repaired and maintained.

Photo 5: Photo illustrates the area near station 8955+00 where the controls have been maintained and the area addressed with temporary stabilization.

Photo 6: Photo shows the additional Compost Filter Sock (CFS) and area where the sediment has been returned to the ROW.

Photo 7: Photo illustrates the temporary stabilization that has been installed near Station 8955+00.

Photo 8: Photo the area near Station 8946+00 that graded and seeded (green arrow). The photo also shows the cleaned temporary diversion berm and maintained ECDs (red arrows).

Photos 9 and 10: Photo illustrates the area near Station 8946+00that has been temporarily stabilized.

Photo 11: Photo shows ECDs that have been maintained and cleaned near Station 9846+00.

Photo 12: Photo illustrates the area near Station 8929+00 that has had the sediment returned to the ROW.

Photo 13: Photo illustrates slope drains that have been installed near Station 8957+00 to prevent erosion on the slopes.

Photo 14: Photo is an upslope view of the rock apron and slope drain that have been installed within the the inspection area.

STATE OF WEST VIRGINIA
Department of Environmental Protection
Environmental Enforcement

NOTICE OF VIOLATION

Violation No **W19-45-026-JTL**

To the Operator or Agent of:

Facility Name: **Mountain Valley Pipeline Project** Permit No. **WVR310667**

Permittee or Individual: **MOUNTAIN VALLEY PIPELINE, LLC**

Located at or near: **Station No. 3956+00, No. 8946+00 and Stream S-K16 at station No. 8929+00** in **Summers** County

Representative: **MATTHEW HOOVER** Date: **8/07/19** Time: **12:00pm**

Address / phone number: **625 LIBERTY AVE, ST 1700, PITTSBURG, PA 15222 / 7248733645**

Whereas, an inspection of the above-named operation by the undersigned, duly authorized agent of the Secretary, at which the following described condition or practice exists, in violation of Chapter **22**, Article **11**, Section(s) **1 et. Seq.** of the Code of West Virginia and/or Section(s) **47CSR 2-3** of the Rules and Regulations and/or Section(s) **D&G** of the Permit referenced above promulgated thereunder in that you:
Have violated the following terms and conditions of WV/NPDES General Water Pollution Control Permit No. WV0116815, Registration No. WVR310667:

Section D.1. - Permittee has failed to properly operate and maintain all systems of treatment and controls: At Station No.'s 8951+00 through 8956+00 erosion was present in waterbars. Several Waterbar outlets had no controls present casing erosion to occur below the termini. Sumps that were present below the Waterbar termini were overwhelmed with sediment and were not functioning as designed. Erosion present on slopes near station No. 8946+00 causing controls to be overwhelmed with sediment and not functioning as designed.
Section G.4.e.2.A.ii.f. - Permittee has failed to protect fill slopes: At station No.'s 8951+00 through 8956+00 waterbars were terminating onto a steep slope causing erosion and sediment deposits to overwhelm controls leading to sediment deposits to be present past the LOD. At station No. 8946+00 erosion was present in multiple locations on the fill slope overwhelming perimeter controls.
Section G.4.e.2.A.ii.j.-Permittee has failed to prevent sediment laden water from leaving the site without going through an appropriate device: Sediment deposits were observed past the LOD at station No. 8956+00.

Have violated the following WV Legislative Rules (Requirements Governing Water Quality Standards): Title 47, Series 2, Section 3.2.

Section 3.2.b. - Permittee has caused conditions not allowable in waters of the State by allowing sediment deposits on the bottom of Stream S-K16 and UNT of Hungard Creek near station No. 8929+00.

The following corrective measures were discussed with you at the time of this inspection:
Take measures to correct the aforementioned violations.

Within **20** days provide a written response to the inspector named below, at the address indicated, detailing the actions taken to abate this violation.

Received by:

Sent Certified Mail–7018183000011710515 3
Signature

Title

Duly Authorized Agent / Inspector

304-859-4399
Telephone

Jason.T.Liddle@wv.gov
E-mail

Send Response to the Inspector at the address indicated below:
WV Department of Environmental Protection
Environmental Enforcement / WW
1159 Rahall Greenway, Fayetteville, WV 25840

Facing MVP ROW at fisher Hill/ West Clayton Road Crossing. Slope had been stabilized with Curlex and CFS was added behind the road barriers.

Facing towards Greenbrier River on West Clayton Road/Fisher Hill crossing. Grass germinating on slope.

Standing at top of steep slope facing South towards Boom Hollow Road at station No. 8951+00. Arrow depicts erosion on slope and Waterbar with no outlet control.

Controls below Waterbar termini with no outlet control terminating onto fill slope and above LOD near station No. 8951+00

Further downslope near station no. 8951+00. Controls below Waterbar termini with no outlet control terminating onto fill slope and above LOD. Controls needed maintained.

Further downslope near station no. 8951+00. Perimeter Controls below Waterbar termini with no outlet control terminating onto fill slope and above LOD. Sediment deposits observed past the LOD.

Further downslope near station no. 8951+00. Perimeter Controls below Waterbar termini with no outlet control terminating onto fill slope and above LOD. Sediment deposits observed past the LOD. Due to Barbwire fence the amount/extent of deposits couldn't be determined.

Near station No. 8954+00. Waterbar terminating onto fill slope.

Near station No. 8955+00. Sump below Waterbar terminating onto fill slope. Sump overwhelmed with sediment.

Near station No. 8955+00. Perimeter controls below Waterbar terminating onto fill slope and sump that was full of sediment. Perimeter controls overwhelmed and sediment deposits present past log pile.

Erosion present in Waterbar near station No. 8955+00 facing upslope.

Waterbar terminus near station No. 8955+00. Erosion present on slope below Waterbar terminus.

Dewatering Structure present on slope and below Waterbar terminus near station No. 8955+00. Erosion present on slope.

Perimeter controls below dewatering structure at station No. 8955+00. Arrow depicts where controls were overwhelmed with sediment.

Perimeter controls below dewatering structure at station No. 8955+00. Arrow depicts where sediment deposits where observed.

Waterbar terminating onto slope near station No. 8955+00. Erosion present on slope. Sump overwhelmed with sediment.

Sediment deposits past the LOD near station No. 8955+00 downslope of Waterbar terminating onto ROW.

Fill slope near station No. 8946+00. Erosion present on fill slope leading to sediment overwhelming perimeter controls.

Fill slope near station No. 8946+00. Erosion present on fill slope leading to sediment overwhelming perimeter controls.

Fill slope near station No. 8946+00. Erosion present on fill slope leading to sediment overwhelming perimeter controls.

Fill slope near station No. 8946+00. Erosion present on fill slope leading to sediment overwhelming perimeter controls. Arrows depict overwhelmed controls.

Sediment deposits past controls at station No. 8944+00.

MVP ROW facing North near station No. 8946+00. ROW recently hydroseeded.

Beginning of Stream S-K16 at edge of LOD near station No. 8929+00. Sediment deposits had been recovered.

Approximately 50-foot downslope of LOD near Station No. 8929+00. Sediment deposits had been recovered.

Approximately 150-foot past LOD near Station No. 8929+00. Sediment deposits observed in Stream S-K16.

Approximately 200-foot past LOD near station no. 8929+00. Sediment deposits in Stream S-K16.

Sediment deposits present approximately 300-foot past LOD in Stream S-K16.

APPENDIX D

LANDOWNER CONCERNS

The following table includes information regarding landowner concerns and how they were resolved.

Tract ID	Spread / Facility	Station/ MP	Date of Concern	Date of Resolution	Issue and Resolution
WV-HA-147	Spread B	35.5	8/13/2019	Pending	**Issue:** Large rocks have been rolling off the LOD; pond is losing water. **Resolution:** Land agent and environmental to visit the property and assess situation. • **8/23/2019** – A site visit was conducted; land agent and environmental are determining next course of action. • **8/30/2019** – Meeting to be held with landowner next week. • **9/6/2019** – meeting is scheduled for 9/7/19.
WV-LE-140	Spread B	62.3	8/12/2019	Pending	**Issue:** Water ran down from the access road and into the creek which caused rocks to be washed onto L/O's property. **Resolution:** Land agent to get a quote from L/O to compensate for damages. • **8/23/2019** – Land agent waiting to receive quote from landowner.

Tract ID	Spread / Facility	Station/ MP	Date of Concern	Date of Resolution	Issue and Resolution
WV-BR-046.02.001	Spread C	76.9	7/25/2019	8/16/2019	**Issue:** Rocks need cleaned up from property **Resolution:** Agent is discussing the removal with construction • **8/2/2019 –** Crews to clean up rocks and do final reclamation. Silt fence to be removed. • **8/16/2019 –** Issues temporarily resolved; to be permanently resolved during final reclamation.
WV-SU-5334	Spread F	158.9	9/27/2018	Pending	**Issue:** Pellets used to stabilize the ROW for the winter and rainfall were distributed off the LOD. **Resolution:** Agent tried to follow up with the landowner, but now the L/O is being represented by an attorney • **10/12/2018-** Landowner complaint received about pellets dropped on the property. This tract is to be handled through legal and agents are to have no further contact with the L/O. • **11/12/2018**- L/O's attorney communicated to MVP a request of compensation for damages due to felled trees from MVP's construction activities. • **11/15/2018-** Damage compensation and documents mailed to attorney for L/O to sign. • **4/17/2019-** Construction and agents met with the L/O to answer questions. • **5/3/2019-** Check was mailed for crushed items during construction. • **7/16/2019 –** Landowner has concerns for their organic farm and contaminated water from wash station and equipment destroying farm. Landowner to meet with MVP to discuss on 7/30/19. • **9/6/2019 –** No update.

Tract ID	Spread / Facility	Station/ MP	Date of Concern	Date of Resolution	Issue and Resolution
VA-GI-4250	Spread G	215	7/3/2019	Pending	**Issue:** Landowner wants thistle removed from ROW before spreading onto his property. **Resolution:** Inspector to identify means to eradicate thistle. If herbicides are used, landowner wants to know exactly what will be used. • **7/16/2019 –** Crews on site removing thistle. Silt was found off ROW and crews awaiting permission to retrieve. • **7/26/2019 –** Contractor removing thistle by hand; permission to retrieve sediment pending. • **7/30/2019 –** Crews continue to remove weeds and were instructed to keep gates closed at all times. • **8/6/2019 –** Gates have been secured; working to remove all thistle.
VA-CR-200.049	Spread G	217.45	7/29/2019	Pending	**Issue:** Landowner requested that MVP moves the soil pile 30 ft so the cattle chute can be used. Also requested that the thistle growing on the ROW be removed. **Resolution:** Construction is going to open the soil pile. They will follow up on the thistle problem. • **8/6/2019 –** Landowner was notified that the dirt would be moved, and a culvert was being brought out. The neighboring landowner does not want herbicides sprayed; landowner to check with them to see if thistle can be sprayed. • **8/16/2019 –** Cattle chute has been opened for access; permission to spray thistle pending.

Tract ID	Spread / Facility	Station/ MP	Date of Concern	Date of Resolution	Issue and Resolution
VA-FR-050	Spread H	259.2	3/26/2019	Pending	**Issue:** Agent reached out to the L/O about sediment retrieval. L/O is requesting additional payment for not being able to utilize their land for another year due to issues with permits being held up. L/O wants compensated for the delay in the project on their lands before discussing sediment retrieval. **Resolution:** Agent and lead agent are to meet with the L/O to discuss issues in the upcoming weeks. • **4/11/2019-**. Agent and L/O viewed the area of concern for sediment retrieval. • **4/26/2019-** L/O is holding off on signing sediment retrieval documents until the fencing is fixed. • **7/5/2019 –** After several attempts, the agent spoke with L/O, negotiating additional L/O requests • **7/31/2019 –** L/O is requesting compensation. Agent to respond to the offer and investigate if a contractor can mow the ATWS for the L/O. • **8/16/2019 –** L/O and agent discussing pricing for hay. • **8/23/2019 –** L/O to provide value of the additional crop loss.

Tract ID	Spread / Facility	Station/ MP	Date of Concern	Date of Resolution	Issue and Resolution
VA-FR-076.01	Spread I	262.4	12/1/2018	Pending	**Issue:** L/O has several issues. Someone has trespassed and put caution tape and cones outside the LOD, timber mats have floated off the LOD and damaged a quarter mile of fencing, and timber has been stolen from the property. **Resolution:** Agent and construction are meeting with the L/O on 12/6/18. • **1/25/2019-** Construction confirmed that the mats did float off from a storm. They have been waiting on the L/O's approval to retrieve the mats. As soon as the L/O approves the removal, they will be retrieved. If any damage occurs from the retrieval process, then construction will repair the damage. The timber that was in question, was moved from the property to an ATWS. The trees were located and moved back to the property. • **3/1/2019**- L/O has denied permission to retrieve the mats off the LOD**.** • **4/19/2019-** The legal group is now handling the case. The attorney for the L/O has the information and the request to retrieve the timber mats. • **7/19/2019-** L/O's attorney denied MVP's request to retrieve the timber mats. MVP will continue working with the L/O's attorney. • **9/6/2019 –** No update.
VA-FR-170	Spread I	277.7	9/6/2019	9/6/2019	**Issue:** The water line to the cattle waterer had been cut on the LOD. Construction was notified. **Resolution:** The line has been restored

APPENDIX E

VARIANCE CONDITIONS

None.