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# LETTER OF TRANSMITTAL

TO: Jeffery Steers  
 Interim Director, Enforcement Division  
 Virginia Department of Environmental Quality  
 P.O. Box 1105  
 Richmond, VA 23218

DATE: 01/10/2020	JOB NO.:
ATTENTION: Jeffery Steers	
RE: MVP Environmental Auditor Quarterly Report	

WE ARE SENDING YOU     Attached     Under separate cover via \_\_\_\_\_ the following items:  
 Shop drawings     Prints     Plans     Samples     Specifications  
 Copy of letter     Change order     Report

COPIES	DATE	NO.	DESCRIPTION
1	01/10/2020		

THESE ARE TRANSMITTED as checked below:

- For approval                       Approved as submitted                       Resubmit \_\_\_ copies for approval  
 For your use                               Approved as noted                               Submit \_\_\_ copies for distribution  
 As requested                               Returned for corrections                       Return \_\_\_ corrected prints  
 For review and comment               For Your Signature  
 FOR BIDS DUE \_\_\_\_\_ 19 \_\_\_\_               PRINTS RETURNED AFTER LOAN TO US

REMARKS:

SIGNED Joseph A. Crea

CC:



Tetra Tech

661 Andersen Drive  
Suite 200  
Pittsburgh, PA 15220-2745  
Tel: (412) 921-7090  
Fax: (412) 921-4040

# LETTER OF TRANSMITTAL

TO: Todd L. Normane  
Deputy General Counsel  
Equitrans Midstream Corporation  
2200 Energy Drive  
Canonsburg, PA 15317

DATE: 01/10/2020	JOB NO.:
ATTENTION: Todd L. Normane	
RE: MVP Environmental Auditor Quarterly Report	

WE ARE SENDING YOU     Attached     Under separate cover via \_\_\_\_\_ the following items:  
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REMARKS:

SIGNED Joseph A. Crea

CC:



**Mountain Valley Pipeline Project  
Environmental Auditor Combined 30-Day and  
Quarterly Reports for Q4 2019  
January 10, 2020**

Jeffery Steers  
Interim Director, Enforcement Division  
Virginia Department of Environmental Quality  
P.O. Box 1105  
Richmond, VA 23218

Todd L. Normane  
Deputy General Counsel  
Equitrans Midstream Corporation  
2200 Energy Drive  
Canonsburg, PA 15317

Dear Mr. Steers and Mr. Normane:

Please find the first Environmental Auditor reports for my review of Mountain Valley Pipeline (MVP). These reports are provided in accordance with the Consent Decree between the Department of Environmental Quality (DEQ) and MVP. Separate reports are included for each Virginia construction spread (G, H, and I).

The Consent Decree was entered on December 11, 2019. My and my team's qualifications to be named the Environmental Auditor were submitted to DEQ on December 23, 2019. DEQ notified MVP that the qualifications were accepted on January 6, 2020. Nevertheless, MVP tasked me with the implementing the Environmental Auditor duties as of December 11.

As you are aware, the Consent Decree requires that the Environmental Auditor prepare multiple reports. An initial review report must be submitted to DEQ and MVP within 30 days of the entry of the Consent Decree, or January 10, 2020. A quarterly report for Q4 2019 is due on or before January 15, 2020. Additionally, bi-weekly reports are to be prepared and attached to the quarterly reports. Given the overlapping timing for the preparation of these initial reports, I am submitting *combined* reports that cover each of the three initial reports into a single report (one for each spread) covering December 11 to December 31. Going forward, separate bi-weekly reports will be prepared and attached to the quarterly reports.

Sincerely,

*Joseph A. Crea*

Joe Crea, CPESC, CPSWQ  
Tetra Tech



# Mountain Valley Pipeline Project – Spread G Environmental Auditor Combined 30-Day and Quarterly Report for Q4 2019 January 10, 2020

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## Environmental Auditor Contact Information

Joe Crea, CPESC, CPSWQ  
Tetra Tech  
661 Anderson Drive, Suite 200  
Pittsburgh, Pennsylvania 15220

## I. Introduction

The Spread G (construction spread 8 and portions Spread 9) portion of the Mountain Valley Pipeline Project H-600 (Project) within the state of Virginia begins at approximate station 10377+20 in Giles County and ends at approximate station 12005+00 in Montgomery County. The Spread G Project includes right of way for the pipeline, laydown yards, additional temporary workspaces (ATWS) and temporary/permanent access roads. The Project is located in the Counties of Giles, Craig and Montgomery with approximately 3.5 miles located within the Jefferson National Forest.

As required by the Virginia Erosion and Sediment Control Law (VESCL) and the Stormwater Management Act Linear Entity, Mountain Valley Pipeline, LLC (MVP) has developed Annual Standards and Specifications to identify means and methods for controlling erosion and sediment during construction and post construction. MVP currently has inspection staff requirements on the Spread G Project to include a Lead Environmental Inspector (LEI) and a team of Environmental Inspectors (EIs). The LEI/EIs, who have obtained the Virginia DEQ ESC/SWM Inspector Certifications, are responsible for conducting routine daily inspections and inspecting all temporary BMPs every four business days per Storm Water Pollution Prevention Plan requirements to ensure environmental compliance. These inspections are documented via Visual Site Inspection Reports (VSIRs) and internal/external communication to ensure the repair of all ineffective temporary ESC measures within 72 hours of identification, or as soon as conditions allow if compliance within this time frame would result in greater environmental impacts.

The Spread G EIs currently conduct inspections for the following geographical locations:

- Giles, Craig and Montgomery Counties
  - 10670+00-10750+00
  - 10850+00-11553+66
  - 11553+66-11596+94 – Sinking Creek Mountain (Jefferson National Forest)
  - 11596+94-11618+91
  - 11618+91-11669+87 – Brush Mountain (Jefferson National Forest)
  - 11669+87-12005+00

Portions of the right of way from approximate stations 11792+00-12002+00 have been permanently restored via final grading and permanent stabilization per the approved Standard and Specification details and the erosion and sediment control and post construction stormwater management plans. Inspections did not occur from December 11 through 31, 2019, between approximate stations 10377+20 - 10670+00 and 10750+00 - 10850+00 as earth disturbance activities have not commenced within these areas. No forward construction progress was occurring throughout Spread G during this reporting period.

## **II. Information Reviewed to Prepare Quarterly Report**

The Environmental Auditor utilized the following resources to assist with evaluating project compliance from 12/11/19 (date Consent Decree was entered) through 12/31/19 (end of Q4 2019):

- MVP Daily Punch Lists (includes VA DEQ findings);
- Stormwater Pollution Prevention Plan VSIRs;
- Project Rain Gauge Data;
- Spread G Scatter Sheets (Contractor Available Resources and Daily Work Locations);
- Annual Standards and Specifications;
- Oil Discharge Contingency Plan (ODPC) Inspection Reports; and
- Stormwater Pollution Prevention Plans (SWPPPs), Erosion and Sediment Control (E&SC) Plans and Post Construction Stormwater Management (SWM) Plans

The Environmental Auditor also relied on assistance and information from MVP staff, the MVP Spread G Environmental Inspection team and the Tetra Tech Civil Engineering and Construction Management Departments during preparation of this report.

## **III. Environmental Inspector Observations**

Based on the MVP Punchlist data from 12/11/19 through 12/31/19, the following maintenance/repair items were noted:

- 12/16/19: AR-258.02
  - Three routine maintenance items were repaired on 12/17/19;
- 12/17/19: Mt. Tabor Road
  - One routine maintenance item was repaired on 12/18/19;
- 12/17/19: AR-266.03
  - One routine maintenance item was repaired on 12/18/19;
- 12/19/19: Kow Camp Road
  - Two routine maintenance items were repaired on 12/20/19;
- 12/19/19: Doe Creek Road
  - Two routine maintenance/weather related items were repaired on 12/20/19;
- 12/19/19: AR-244
  - One routine maintenance/weather related item was repaired on 12/20/19.

Environmental inspectors conducted a total of 46 SWPPP inspections and provided respective VSIRs from 12/11/19 through 12/31/19. Upon review of the SWPPP VSIRs and MVP Daily Punchlists, it appears that the environmental inspectors' observations were communicated to the contractor and noted issues were maintained/repaired within the DEQ approved timeframe (24 hours or as extended by DEQ authorization). The MVP ODCP inspectors conducted site inspections at Laydown Yard 026 on 12/11/19, 12/12/19, 12/13/19, 12/16/19, 12/17/19, 12/18/19, 12/19/19, 12/20/19, 12/30/19 and 12/31/19 respectively. No issues were noted per the respective reports. No offsite sediment or non-stormwater impacts were reported by environmental inspectors from 12/11/19 through 12/31/19.

A total of four (4) recordable rainfall events occurred from 12/11/19 through 12/30/19. These events did not impact resources nor cause offsite impacts related to sediment and non-stormwater discharges. Post construction BMPs (waterbars/end treatments) were not impacted by these events. The following is a summary of rainfall dates, amounts, and estimated event duration for Spread G:

- 12/11/19 - 0.1" - .35" (4 hour duration)
- 12/13/19 - 0.2" - 0.4" (8 hour duration)
- 12/17/19 - 0.6" - 1.1" (4 hour duration)
- 12/30/19 - 0.1" - 0.2" (3 hour duration)

#### **IV. VA DEQ & DEQ Third Party Observations**

The Environmental Auditor did not note any documented DEQ/DEQ Third Party observations from 12/11/19 through 12/31/19. Please refer to Section V. Landowner/Third Party Issues regarding a complaint received by DEQ.

#### **V. Landowner/Third Party Issues**

The Environmental Auditor noted in the 12/17/19 SWPPP VSIR that DEQ received a complaint regarding minor sloughing on a slope with no potential offsite impacts at approximate station 11790+00. The respective MVP environmental inspector coordinated with the contractor and the area was temporarily stabilized via mulch that same day.

#### **VI. Environmental Auditor Observations and Recommendations**

The Environmental Auditor conducted site evaluations on 12/19/19 and observed, with the exceptions noted below, that erosion and sediment control BMPs were installed and functional at the time of the evaluation and no water quality/quantity impacts to resources occurred. The Environmental Auditor observed a disturbed slope where sheet erosion was occurring and communicated this issue with the respective MVP environmental inspector. The Environmental Auditor recommended the installation of soil stabilization blanket to address the disturbed slope conditions and noted this issue was addressed per the SWPPP VSIR on 12/20/19.

The Lead Environmental Inspector communicated with the Environmental Auditor regarding third party damage to BMPs observed and reported on 12/27/19. The Environmental Auditor noted that the Contractor addressed this issue on 12/27/19.

The Environmental Auditor recommends continued monitoring at laydown yards where equipment/vehicles and above ground storage tanks are staged.

## **VII. Conclusion(s)**

Per Section IV. (b) (1) of the Consent Decree, the Environmental Auditor conducted site evaluations, evaluated VSIR/SWPPP reports and communicated with the Lead Environmental Inspector/ Environmental Inspectors and has concluded the following:

- The Best Management Practices for the Project have been implemented in accordance with MVP's Annual Standards and Specifications, erosion and sediment control plans, and stormwater management plans;
- The temporary E&SC measures were properly installed, inspected, and maintained; and
- All ineffective temporary E&SC measures observed by the Environmental Inspectors/Environmental Auditor were repaired and ESC measures in need of routine maintenance were maintained within the timeframes required by MVP's Annual Standards and Specifications or as otherwise provided in the Consent Decree.

Based on the aforementioned observations, the resources available and deployed in the field, including environmental inspectors and the construction contractor, were sufficient to regularly and consistently repair ineffective BMP measures in a timely manner from 12/11/19 through 12/31/19.

In accordance with Section IV.a of the Consent Decree, the Environmental Auditor concludes that all alleged instances of non-compliance with MVP's Annual Standards and Specifications, MVP's Site-Specific ESC and SWM Plans, and Clean Water Act Section 401 Water Quality Certification No. 17.001 addressed in the Consent Decree that are within MVP's power to correct have been corrected. As DEQ is aware, there are several instances in which sediment has left the ROW but MVP's requests for landowner permission to take corrective measures have been denied.



# Mountain Valley Pipeline Project – Spread H Environmental Auditor Combined 30-Day Report and Quarterly Report for Q4 2019 January 10, 2020

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## Environmental Auditor Contact Information

Joe Crea, CPESC, CPSWQ  
Tetra Tech  
661 Anderson Drive, Suite 200  
Pittsburgh, Pennsylvania 15220

## I. Introduction

The Spread H (portions of construction spreads 9 and 10) portion of the Mountain Valley Pipeline Project H-600 (Project) within the state of Virginia begins at approximate station 12001+80 in Montgomery County and ends at approximate station 13415+51 in Franklin County. The Spread H Project includes right of way for the pipeline, laydown yards, additional temporary workspaces (ATWS) and temporary/permanent access roads. The Project is located in the Counties of Montgomery and Roanoke Counties.

As required by the Virginia Erosion and Sediment Control Law (VESCL) and the Stormwater Management Act Linear Entity, Mountain Valley Pipeline, LLC (MVP) has developed Annual Standards and Specifications to identify means and methods for controlling erosion and sediment during construction and post construction. MVP currently has inspection staff requirements on the Spread H Project to include a Lead Environmental Inspector (LEI) and a team of Environmental Inspectors (EIs). The LEI/EIs, who have obtained the Virginia DEQ ESC/SWM Inspector Certifications, are responsible for conducting routine daily inspections and inspecting all temporary BMPs every four business days per Storm Water Pollution Prevention Plan requirements to ensure environmental compliance. These inspections are documented via Visual Site Inspection Reports (VSIRs) and internal/external communication to ensure the repair of all ineffective temporary ESC measures within 72 hours of identification, or as soon as conditions allow if compliance within this time frame would result in greater environmental impacts.

The Spread H EIs currently conduct inspections for the following geographical locations:

- Montgomery, Roanoke and Franklin Counties
  - 12001+80-12544+06
  - 12638+24-12715+80
  - 12860+00-13120+00
  - 13196+41-13415+51



Inspections did not occur from December 11 through 31, 2019, between approximate stations 12544+06-12638+24, 12715+80-12860+00, and 13120+00-13196+40 as earth disturbance activities have not commenced within these locations. No forward construction progress was occurring throughout Spread H during this reporting period.

The following portions of the right of way have been permanently restored via final grading and permanent stabilization per the approved Standard and Specification Details and the erosion and sediment control and post construction stormwater management plans:

- 12009+00-12011+63
- 12113+00-12115+00
- 12145+50-12147+50
- 12147+50-12152+00 (See Section VI. Env. Auditor Observations and Recommendations)
- 12212+00-12216+00
- 12235+00-12281+00
- 12999+30-13022+00
- 13044+00-13057+00
- 13058+93-13061+40
- 13063+96-13115+00
- 13213+00-13260+00
- 13262+58-13316+00

## **II. Information Reviewed to Prepare Quarterly Report**

The Environmental Auditor utilized the following resources to assist with evaluating project compliance from 12/11/19 (date Consent Decree was entered) through 12/31/19 (end of Q4 2019):

- Daily Punch Lists (includes VA DEQ findings);
- Stormwater Pollution Prevention Plan VSIRs;
- Spread H LEI Spread Pipe Line Workbook and Progress Tracker Spreadsheets;
- Project Rain Gauge Data;
- Spread H Scatter Sheets (Contractor Available Resources and Daily Work Locations);
- Annual Standards and Specifications;
- Oil Discharge Contingency Plan (ODPC) Inspection Reports; and
- Storm Water Pollution Prevention Plans (SWPPPs), Erosion and Sediment Control (ESC) Plans and Post Construction Stormwater Management (SWM) Plans

The Environmental Auditor also relied on assistance and information from MVP staff, the MVP Spread H Environmental Inspection team, and the Tetra Tech Civil Engineering and Construction Management Departments during preparation of this report.

## **III. Environmental Inspector Observations**

Based on the MVP Punchlist data from 12/11/19 through 12/31/19, the following maintenance/repair items were noted:

- 12/19/19: MVP-MN-278.01
  - Two items related to third party logging operations were repaired on 12/20/19.

Environmental inspectors conducted a total of 39 SWPPP inspections (which include inspections for Laydown Yard 049 and Pipe Yard 06) and provided respective VSIRs from 12/11/19 through 12/27/19. Upon review of the SWPPP VSIRs and MVP Daily Punchlists the Environmental Auditor noted the environmental inspectors' observations were communicated to the contractor and noted issues were maintained/repared within 72 hours. The MVP ODCP Inspectors conducted site inspections at Pipe Yard 006 on 12/11/19, 12/12/19 and 12/13/19, 12/16/19, 12/17/19, 12/18/19, 12/19/19, 12/20/19, 12/30/19 and 12/31/19 and no issues were noted within the respective reports. No offsite sediment or non-stormwater impacts were reported by the Environmental Inspectors from 12/11/19 through 12/31/19.

A total of two (2) recordable rainfall events occurred from 12/11/19 through 12/30/19. These events did not impact resources nor cause offsite impacts related to sediment and non-stormwater discharges. Post construction BMPs (waterbars/end treatments) were not impacted by these events. The following is a summary of rainfall dates, amounts and estimated event duration for Spread H:

- 12/11/19 - 0.1" - 0.5" (7.5 hour duration)
- 12/30/19 - 0.1" - 0.5" (12 hour duration)

#### **IV. VA DEQ & DEQ Third Party Observations**

The Environmental Auditor noted nine (9) VA DEQ observations identifying ESC measures in need of routine maintenance from 12/13/19 through 12/27/19. Eight (8) of the punchlist items were addressed within a 72-hour timeframe and one (1) item was granted an extension due to safety concerns. This issue was resolved prior to the extension deadline.

#### **V. Landowner/Third Party Issues**

The MVP Environmental Inspection team received a landowner complaint on 12/19/19 regarding ESC damage (compost filter sock) on MVP-MN-278.01 (Yellow Finch Road). The damage occurred due to a third-party (non-MVP) logging operation and was repaired by the MVP contractor on 12/20/19.

#### **VI. Environmental Auditor Observations and Recommendations**

The Environmental Auditor conducted site evaluations on 12/12/19, 12/17/19, and 12/18/19. The Environmental Auditor continues to monitor a steep slope west of MVP-MN-273 where previous erosion and slope stability concerns were observed. The Environmental Auditor observed erosion and sediment control BMPs installed and functional at the time of the evaluation with no water quality impacts to resources or off right of way impacts.

The Environmental Auditor communicated with the LEI/EI regarding third-party damage to BMPs and subsequent MVP repairs that are noted in Sections III and V of this report.

The Environmental Auditor recommends continued monitoring at laydown yards where equipment/vehicles and above ground storage tanks are staged and the steep slope area west on the coming-in-side of MVP-MN-273.

## **VII. Conclusion(s)**

Per Section IV. (b) (1) of the Consent Decree, the Environmental Auditor conducted site evaluations, evaluated VSIR/SWPPP reports and communicated with the Lead Environmental Inspector/ Environmental Inspectors and has concluded the following for the Spread H Project:

- The Best Management Practices for the Project have been implemented in accordance with MVP's Annual Standards and Specifications, erosion and sediment control plans and stormwater management plans;
- The temporary ESC measures were properly installed, inspected, and maintained; and
- All ineffective temporary E&SC measures observed by the Environmental Inspectors/Environmental Auditor were repaired and ESC measures in need of routine maintenance were maintained within the timeframes required by MVP's Annual Standards and Specifications or as otherwise provided in the Consent Decree.

Based on the aforementioned observations, the resources available and deployed in the field, including environmental inspectors and the construction contractor, were sufficient to regularly and consistently repair ineffective BMP measures in a timely manner from 12/11/19 through 12/31/19.

In accordance with Section IV.a of the Consent Decree, the Environmental Auditor concludes that all alleged instances of non-compliance with MVP's Annual Standards and Specifications, MVP's Site-Specific ESC and SWM Plans, and Clean Water Act Section 401 Water Quality Certification No. 17.001 addressed in the Consent Decree that are within MVP's power to correct have been corrected. As DEQ is aware, there are several instances in which sediment has left the ROW but MVP's requests for landowner permission to take corrective measures have been denied.



# Mountain Valley Pipeline Project – Spread I Environmental Auditor Combined 30-Day and Quarterly Report for Q4 2019 January 10, 2020

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## Environmental Auditor Contact Information

Joe Crea, CPESC, CPSWQ  
Tetra Tech  
661 Anderson Drive, Suite 200  
Pittsburgh, Pennsylvania 15220

## I. Introduction

The Spread I (portions of construction spreads 9 and 10) portion of the Mountain Valley Pipeline Project H-600 (Project) within the State of Virginia begins at approximate station 13415+51 in Franklin County and ends at approximate station 16027+46 in Pittsylvania County. The Spread I Project includes right of way for the pipeline, laydown yards (LY-045 & LY-046), additional temporary workspaces (ATWS) and temporary/permanent access roads. This Quarterly Report also includes the Transco Interconnect Station as the environmental inspection staff from Spread I is covering this Project. The Project is located in Franklin and Pittsylvania Counties.

As required by the Virginia Erosion and Sediment Control Law (VESCL) and the Stormwater Management Act Linear Entity, MVP has developed Annual Project Specific Standards and Specifications to identify means and methods for controlling erosion and sediment during construction and post construction. MVP currently has Inspection Staff requirements on the Spread I Project to include a Lead Environmental Inspector (LEI) and a team of Environmental Inspectors (EIs). The LEI/EIs, who have obtained the Virginia DEQ ESC/SWM Inspector Certifications are responsible for conducting routine daily inspections and inspecting all temporary BMPs every four business days per Storm Water Pollution Prevention Plan requirements to ensure environmental compliance. These inspections are documented via Visual Site Inspection Reports (VSIRs) and internal/external communication to ensure the repair of all ineffective temporary ESC measures within 72 hours of identification, **or** as soon as conditions allow if compliance with this time frame would result in greater environmental impacts.

The Spread I EIs currently conduct inspections for the following geographical locations:

- Franklin and Pittsylvania Counties
  - 13415+51-16027+46 and the Transco Interconnect Station

No forward construction progress occurred during this reporting period throughout Spread I.

The following portions of the right of way have been permanently restored via final grading and permanent stabilization per the approved Standard and Specification Details and the ESC/Post Construction SWM Plans:

- 13423+00-13496+62
- 13497+12-13526+00
- 13530+87-13541+51
- 13562+88-13575+01
- 13575+42-13632+41
- 13644+97-13655+63
- 13738+72-13746+56
- 13915+75-13949+24
- 14010+91-14018+16
- 14153+54-14171+11
- 14547+02-14550+48
- 14616+75-14657+24
- 14806+16-14830+80
- 15103+58-15103+84
- 15144+54-15146+31
- 15181+09-15209+98
- 15210+56-15220+86
- 15221+36-15259+00
- 15353+48-15370+25

## **II. Information Reviewed to Prepare Quarterly Report**

The Environmental Auditor utilized the following resources to assist with evaluating project compliance from 12/11/19 through 12/31/19:

- Daily Punch Lists;
- Stormwater Pollution Prevention Plan VSIRs;
- Spread I Rain Gauge Data;
- Spread I Scatter Sheets (Contractor Available Resources and Daily Work Locations);
- MVP Subsidence Feature Inspection Report provided by MVP third-party geologist;
- Annual Project Specific Standards and Specifications;
- Oil Discharge Contingency Plan (ODPC) Inspection Reports; and
- Storm Water Pollution Prevention Plans (SWPPPs), Erosion and Sediment Control (E&SC) Plans and Post Construction Stormwater Management (SWM) Plans

The Environmental Auditor was also assisted during report preparation by MVP staff, the MVP Spread I Environmental Inspection team and the Tetra Tech Civil Engineering and Construction Management Departments.

## **III. Environmental Inspector Observations**

The Environmental Inspectors conducted a total of 37 SWPPP Inspections (which included inspections for the Laydown Yard 045 and Laydown Yard 046 and Transco Interconnect Station) and provided respective VSIRs from 12/11/19 through 12/31/19.

The MVP third-party ODCP Inspectors conducted site inspections at LY-045 and LY-046 during the weeks of 12/09/19, 12/16/19, and 12/30/19. No offsite sediment or non-stormwater impacts were reported by the Environmental Inspectors from 12/11/19 through 12/31/19 and no construction activities were occurring the week of 12/23/19.

Based on the MVP Punchlist data from 12/11/19-12/31/19 the MVP Environmental Inspectors noted 94 punchlist items related to ESC measures and one housekeeping item requiring routine maintenance. No environmental resources were impacted, and one offsite sediment impact occurred during this reporting period.

Upon review of the SWPPP VSIRs and MVP Daily Punchlists the Environmental Auditor noted the environmental inspectors' observations were communicated to the contractor. Eleven ESC measures identified within the punchlist in Need of Routine Maintenance exceeded the required 72-hour timeframe and were subsequently granted VA DEQ extension approval due to adverse weather related site conditions. Two of the eleven items were related to contractor equipment and materials not available during the holiday week of 12/23/19. These items posed no immediate issue due to no access or construction activities occurring within these locations during the holiday period. One punchlist item noting off ROW sediment was identified on 12/31/19. The item which required equipment to conduct grading activities, exceeded the 24-hour timeframe due to weather related project conditions but was subsequently addressed on 01/07/19. No environmental resources/subsequent offsite impacts occurred during this reporting period.

During this reporting period the Environmental Inspection staff reported 6 locations where third-party impacts required ESC repairs on following areas of the right of way:

- 12/17/19: US-220 (CIS) – sediment control BMPs damaged by a third-party waterline utility contractor
- 12/18/19: Indian Cave Road (GAS) – waterbars and right of way damage due to third-party power utility contractor
- 12/20/19: Iron Ridge Road (GAS) – right of way damage due to farm equipment/vehicles
- 12/20/19: Bonbrook Mill #1 (CIS) – right of way damage due to vehicle/atv use
- 12/26/19: Foggy Ridge Road (CIS) – sediment control BMP and right of way damage due to farm equipment
- 12/30/19: Cahas Mountain Road #2 (CIS) – waterbar and right of way damage due to vehicle/atv use (item also noted in the punchlist by VA DEQ inspector)

A total of four (4) recordable rainfall events occurred on 12/11/19 and 12/30/19. The following is a summary of rainfall dates, amounts and estimated event duration for Spread I:

- 12/11/19 - 0.1" - 0.5" (24 hour duration)
- 12/14/19 - 1.0"-1.2" (36 hour duration)
- 12/18/19 - 0.1" - 0.2" (8 hour duration)
- 12/30/19 - 0.3" - 0.7" (8 hour duration)

Due to the frequency of precipitation events, the right of way conditions from 12/11/19-12/31/19 exhibited saturated conditions. As a result of these adverse conditions, punchlist items requiring temporary stabilization could not be addressed within the allotted timeframe and required extension requests be submitted to DEQ. The VA DEQ granted 11 extension requests on 12/31/19. No environmental resources or post construction BMPs (waterbars/end treatments) were impacted by these events.

#### **IV. VA DEQ Observations**

The Environmental Auditor noted twenty-two (22) VA DEQ observations identifying ESC measures in need of routine maintenance from 12/11/19 through 12/31/19. One punchlist item identified offsite sediment on 12/16/19 and additional ESC measures were installed on 12/17/19 to address future potential for offsite sediment. All 22 VA DEQ punchlist items were addressed within the required timeframes and no resources were impacted. See Section VI. Environmental Auditor Observations and Recommendations for findings regarding ESC damage related to third-party impacts and the offsite sediment issue noted by the VADEQ.

## **V. Landowner/Third Party Issues**

MVP Environmental received a landowner complaint from the VA DEQ on 12/16/19 regarding a subsidence approximately 375-feet southwest of the Project on the going-away-side of Iron Ridge Road. The Environmental Auditor accompanied by the EI, MVP Land Agent, and MVP third-party Geotechnical engineer evaluated the issue and determined that runoff from the Project right of way was not a contributing factor to the subsidence.

## **VI. Environmental Auditor Observations and Recommendations**

The Environmental Auditor conducted site-specific evaluations throughout portions of the Spread I Project on 12/11/19, 12/12/19, 12/13/19, 12/16/19, 12/17/19 and 12/18/19. The following is a summary of the evaluations:

### **12/11/19**

- Transco Interconnect Station and Chalk Level Road Going Away Side (GAS): The Environmental Auditor provided routine ESC measures maintenance recommendations.
- Anderson Mill Road #1 Coming In Side (CIS) and Snow Creek Road (CIS/GAS): The Environmental Auditor observed ESC measures installed and functional.

### **12/12/19**

- Cahas Mountain Road #1 (CIS): The Environmental Auditor observed ESC measures installed and functional.

### **12/13/19**

- Webster Road (CIS/GAS): The Environmental Auditor observed ESC measures installed and functional and provided routine maintenance repair recommendations.
- Cahas Mountain Road #1 (GAS): The Environmental Auditor evaluated the location (approx.13424+50) where the VA DEQ inspector identified portions of a denuded slope on 12/12/19. The Environmental Auditor observed that soil stabilization mat was properly installed on the slope and no environmental resources were impacted.

### **12/16/19**

- Brick Church Road (CIS)/FR-300 and Foggy Ridge Road/FR-305 (CIS): The Environmental Auditor observed ESC measures installed and functional and provided routine maintenance repair recommendations.
- Iron Ridge Road (GAS): The Environmental Auditor observed ESC measures installed and functional and communicated with the Environmental Inspection team regarding third party damage to the right of way.
- US-220 (CIS) and Webster Road/FR-315: The Environmental Auditor observed ESC measures installed and functional.

### **12/17/19**

- Toshes Road (GAS): The Environmental Auditor evaluated the location (approx.15486+00) where offsite sediment was identified by the VADEQ third-party inspection staff. The Environmental Auditor observed that sediment had overwhelmed the sediment control BMP and travelled approximately 5-10 feet off of the right of way. No environmental resources were impacted. Upon further evaluation the Environmental Auditor observed disturbed areas and erosion along the

west edge of the right of as a result of runoff events from approximate stations 15487+00-15485+00 which led to the compost filter sock becoming overwhelmed. The Environmental Auditor encountered the MVP Contractor conducting repairs and provided additional ESC recommendations. The Environmental Auditor reviewed the MVP Punchlist on 12/17/19 and noted that this item was resolved.

- Snowberry Road (GAS) and Booker T. Washington Hwy (GAS): The Environmental Auditor observed ESC measures installed and functional and provided routine maintenance repair recommendations.

#### **12/18/19**

- Longwood Road (GAS): The Environmental Auditor observed ESC measures installed and functional and provided routine maintenance repair recommendations.

The Environmental Auditor reviewed the MVP Punchlists and communicated with the MVP Environmental Inspection team regarding third-party impacts to the right of way and subsequent repairs to the ESC measures. Refer to Section III. Environmental Observations for further discussion.

Based on site evaluations and review of the Spread I Project Punchlists, the Environmental Auditor recommends the following:

- Continual monitoring of the Spread I Project and addressing areas to comply with the ESC plan requirements for Temporary Stabilization;
- Ensuring punchlist issues are maintained/repared within the required timeframe or as extended by DEQ authorization; and
- Immediately identifying and submitting extension requests for areas requiring routine maintenance where weather-related conditions would compromise safety or create further damage to the right of way

#### **VII. Conclusion(s)**

Per Section IV. (b) (1) of the Consent Decree the Environmental Auditor conducted site evaluations, evaluated VSIR/SWPPP VSIRs and communicated with the Lead Environmental Inspector/ Environmental Inspectors and has concluded the following for the Spread I Project:

- The Best Management Practices for the Project have been implemented in accordance with MVP's Project Specific Annual Standards and Specifications, Erosion and Sediment Control Plans and Stormwater Management Plans;
- The temporary ESC measures were properly installed and inspected; however, the timeframe for ECS measures requiring routine maintenance was exceed for punchlist items noted in; and
- All ineffective temporary ESC Measures observed by the Environmental Inspectors/Environmental Auditor were repaired; however, ESC measures in need of routine maintenance exceeded the timeframes required by MVP's Annual Standards and Specifications or as otherwise provided in the Consent Decree. See Section III. Environmental Inspectors Observations and Section VI. See Section VI. Environmental Auditor Observations and Recommendations for further discussion regarding the 11 items that exceeded the required timeframes.



Based on the aforementioned observations, the resources available and deployed in the field, including environmental inspectors and the construction contractor, were sufficient to regularly and consistently repair ineffective BMP measures in a timely manner from 12/11/19 through 12/31/19. Refer to Section III. Environmental Inspector Observations which discusses weather related impacts and holiday schedule. Refer to Section VI. Environmental Auditor Observations and Recommendations which provides recommendations for immediately identifying and submitting extension requests for areas requiring routine maintenance where weather-related conditions would compromise safety or create further damage to the right of way.

In accordance with Section IV.a of the Consent Decree, the Environmental Auditor concludes that all alleged instances of non-compliance with MVP's Annual Standards and Specifications, MVP's Site-Specific ESC and SWM Plans, and Clean Water Act Section 401 Water Quality Certification No. 17.001 addressed in the Consent Decree that are within MVP's power to correct have been corrected. As DEQ is aware, there are several instances in which sediment has left the ROW but MVP's requests for landowner permission to take corrective measures have been denied.