



Mountain Valley Pipeline Project – Spread G

Environmental Auditor Quarterly Report for Q1 2020

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Environmental Auditor Contact Information

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I. Introduction

The Spread G (Construction Spread 8 and a portion of 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 three days of identification, **or** as soon as conditions allow if compliance within this time frame would result in greater environmental impacts (provided the VA DEQ concurs).

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 January 1, 2020 through March 31, 2020 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 01/01/2020 through 03/31/2020 (end of reporting period for Q1 2020):

- MVP Daily Punch Lists (includes VA DEQ findings);
- Environmental Auditor Bi-Weekly Reports;
- Weekly meetings with MVP staff and the Lead Environmental Inspectors (LEIs);
- 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 (ODCP) 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 the MVP staff, the MVP Spread G Environmental Inspection team and the Tetra Tech Civil Engineering and Construction Management Departments during preparation of this report.

The following sections III. through VI. provide an overall summary from January 1, 2020 through March 31, 2020 (Q1 reporting period). **Please refer to the attached Environmental Auditor Bi-Weekly Reports for further detailed information.**

III. Quarterly Summary of Environmental Inspector Observations

Per Table G-1A, the Environmental Inspectors observed a total of 271 items requiring repair/maintenance throughout the Q1 reporting period. Per Table G-1B, rainfall rates exceeded four inches from 2/5/2020 through 2/6/2020 which resulted in a total of three off right of way sediment-related impacts identified within upland areas on 2/7/2020. These events did not impact resources and all identified ESC measures were repaired/maintained and augmented as needed within the required timeframe. Two locations where offsite right of way impacts occurred are restricted access. All items provided on the punchlist for the reporting period were communicated to the Contractor Environmental team and addressed within the required timeframes. The Environmental Auditor noted that BMPs damaged due to impacts caused by third parties were repaired/maintained within the required timeframes.

Based on the MVP Punchlist data and the Environmental Auditor's Bi-Weekly Reports, the following Table G-1A provides a summary of maintenance/repair items identified by the Environmental Inspectors throughout the Q1 reporting period:

Table G-1A

Spread G Environmental Inspector Observations: January 1, 2020 – March 31, 2020				
Monthly Observation	Total Number Observations	Environmental Resource Impact	Off Right of Way Impact	Right of Way Impacts Caused by Third Parties
January 2020	83	0	0	0
February 2020	175	0	3	1
March 2020	13	0	0	5

The Environmental inspectors conducted a total of 232 SWPPP inspections and provided respective VSIRs throughout the Q1 reporting period. 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/repared within the DEQ approved timeframe (24 hours/Three days or as extended by DEQ authorization).

The MVP ODCP inspectors conducted weekly site inspections at Laydown Yard 026 from 1/2/2020-3/31/2020. Twenty-two inspections were conducted in January, twenty inspections were conducted in February and twenty-two inspections were conducted in March. No issues were noted per the respective reports.

A total of 23 recordable rainfall events occurred from 1/1/2020 through 3/31/2020. A prolonged storm event with intervals of high intensity/short duration downpours occurred from 2/5/2020-2/6/2020 that caused rainfall rates to exceed four inches. Due to this event, three locations were identified where offsite sediment impacts occurred in upland areas. These events did not impact resources and all identified items were repaired/maintained within the required timeframe (Refer to Environmental Auditor Observations and Recommendations for further discussion). Post construction BMPs (waterbars/end treatments) were not impacted by these events.

Based on rainfall gauge data provided by the Spread G Environmental Inspectors, the following Table G-1B is a summary of monthly rainfall dates, amounts based on lowest to highest rates, and estimated event duration for each event throughout the Q1 reporting period:

Table G-1B

Spread G Rainfall and Duration Rates: January 1, 2020 – March 31, 2020					
January		February		March	
Date Recorded	Rainfall and Approximate Duration	Date Recorded	Rainfall and Approximate Duration	Date Recorded	Rainfall and Approximate Duration
1/2/2020	0.2"-0.4" – 3 Hours	2/5/2020	1.4"-2.5" – 18 Hours	3/2/2020	0.15"-0.3" – 4 Hours
1/4/2020	0.15"-0.4" – 12 Hours	2/6/2020	1.1"-1.9" *Additional Rainfall Continuing from 2/5/2020	3/10/2020	0.15"-0.3" – 24 Hours
1/11/2020	0.9"-1.7" – 1 Hour	2/10/2020	0.5"-1.0" – Hours	3/12/2020	0.7"-1.3" – 3 Hours
1/13/2020	0.0"-0.5" – 1 Hour	2/11/2020	0.0"-0.1" – Hours	3/15/2020	0.5"-0.8" – 48 Hours
1/24/2020	1.1"-1.65" – 1.5 Hours	2/13/2020	0.35"-0.6" – Hours	3/18/2020	0.3"-0.6" – 12 Hours
1/31/2020	0.0"-0.1" – 1 Hour	2/18/2020	0.15"-0.3" – 2 Hours	3/21/2020	0.4"-0.9" – 4 Hours
		2/24/2020	0.2"-0.45" – 3 Hours	3/23/2020	0.05"-0.2" – 4 Hours
		2/26/2020	0.0"-0.5" – 5 Hours	3/24/2020	0.7"-1.3" – 12 Hours
				3/31/2020	0.9"-1.2" – 10 Hours

IV. Quarterly Summary of VA DEQ Observations

Per Table G-1C, the VA DEQ Inspectors observed a total of 23 items requiring repair/maintenance throughout the Q1 reporting period. No impacts occurred to environmental resources and no off right of way impacts were observed during the reporting period. All identified items on the punchlist were addressed within the required timeframe. The VA DEQ Inspectors did not observe any right of way impacts caused by third parties during the reporting period.

Based on the MVP Punchlist data and the Environmental Auditor's Bi-Weekly Reports, the following summary provides maintenance/repair items identified by the VA DEQ Inspectors throughout the Q1 reporting period:

Table G-1C

Spread G VADEQ Observations: January 1, 2020 – March 31, 2020				
Monthly Observation	Total Number Observations	Environmental Resource Impact	Off Right of Way Impact	Right of Way Impacts Caused by Third Parties
January 2020	1	0	0	0
February 2020	18	0	0	0
March 2020	4	0	0	0

V. Quarterly Summary of Landowner/Third Party Issues

The Environmental Auditor noted that the VA DEQ received a complaint on 2/6/2020 regarding heavy sediment-laden runoff entering the access road MVP-CR-258.02. The runoff originated from denuded offsite pastures upslope of the right of way ultimately impacting the right of way from approximate stations 11475+00-11490+00 and subsequently overwhelming then bypassing ESC measures and entering the access road. The VA DEQ conducted an inspection on 2/7/2020 and observed "significant flooding" due to the heavy rainfall event from 2/5/2020-2/6/2020. The VA DEQ observed no evidence of off right of way sediment impacts that included a karst feature. The VA DEQ identified corrective action measures during their inspection. The Spread G Environmental Inspection staff coordinated with the contractor and all ESC measures were repaired/maintained within the respective timeframes.

VI. Quarterly Summary of Environmental Auditor Observations and Recommendations

Per Table G-1D, The Environmental Auditor conducted 20 site evaluations during the Q1 reporting period and observed locations where ESC measures required repair/maintenance and recommended augmenting existing or installing additional ESC measures as necessary to minimize erosion and sediment impacts. During the reporting period, the Environmental Auditor communicated observations and recommendations with the Spread G LEI and MVP staff. Repair/Maintenance items were forwarded to the respective EI by the LEI and those items were addressed within the required timeframe. The recommendations for the installation of additional ESC measures pertained to runoff control measures via soil stabilization blanket (SSB) to minimize the potential for accelerated erosion during runoff events. The Spread G Environmental Inspection staff are monitoring locations where recommendations were made for installing additional ESC measures. The recommended additional ESC measures will be installed as deemed necessary by the Spread G Environmental Inspection staff. The Environmental Auditor continues to monitor these areas.

The Environmental Auditor evaluated areas where off right of way sediment impacts occurred during the 2/5/2020-2/6/2020 rainfall event and noted corrective actions were conducted following this event. The Environmental Auditor provided additional recommendations to consider for future events. The Environmental Auditor recommends that the MVP Environmental Inspectors continue to monitor areas where potential issues may result in accelerated erosion and offsite sedimentation and implement the appropriate ESC measures.

The following Table G-1D provides a summary of the monthly total number of observations (evaluations) conducted by the Environmental Auditor throughout the Q1 reporting period.

Table G-1D

Environmental Auditor Field Observations	
Month	Total Observations
January	4
February	5
March	11

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 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 January 1, 2020 through March 31, 2020.

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. Per Section III of the this Q1 2020 Report and as reported in the Q4 2019 Quarterly Report, 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.

Report Period Ending: 1/12/2020
 Report Prepared By: Joe Crea

SUMMARY OF FINDINGS

Total Number of SWPPP Inspections: **28** conducted from 1/3/2020 and 1/10/2020
 Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations (1/2/2020 through 1/12/2020): **0**
 Total Number of ODCP Inspections at Laydown Yard 045/046 : **2** (1/2/2020 through 1/3/2020); **5** (1/6/2020 through 1/10/2020)
 Total Number of VA DEQ Observations (1/2/2020 through 1/12/2020): **0**
 Total Number of Landowner Complaints: **0**
 Total Number of Right of Way Impacts Caused by Third Parties: **0**
 Total Number of Off Right of Way Impacts: **0**
 Total Number of ESC Measures in Need of Routine Maintenance Not Maintained Within Timeframes Required by MVP's Annual Standards and Specifications or as Otherwise Provided in the Consent Decree: **0**

Based on the Environmental Auditor's 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 1/2/2020 through 1/12/2020.

ENVIRONMENTAL INSPECTOR OBSERVATIONS

DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS

VADEQ OBSERVATIONS

DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS

LANDOWNER REPORTED COMPLAINTS

DATE OF OBSERVATION	NEAREST ROAD OR FEATURE	TOTAL NUMBER OBSERVATIONS	SUMMARY OF OBSERVATIONS

ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS

DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS
1/2/2020 - 1/12/2020	The Environmental Auditor reviewed the daily MVP Punchlists and SWPPPs and noted no punchlist items were generated during this reporting period for the Spread G Project.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continual BMP monitoring throughout the Spread G Project. Based on the SWPPP and MVP Punchlist findings, the Spread G Project appears to meet the MVP Annual Standards and Specifications as required by the Virginia Erosion and Sediment Control Law (VESCL) and the Stormwater Management Act Linear Entity.

REQUIRED FINDINGS AND CONCLUSIONS

	Yes/No	If No, provide explanation and recommendation for corrective action (if any).
Best management practices for the Project are in accordance with MVP's Annual Standards and Specifications and MVP's Site Specific ESC and SWM Plans?	Yes	
The temporary erosion and sediment control measures are properly installed, inspected, and maintained?	Yes	
All Ineffective Temporary Erosion and Sediment Control Measures are repaired and ESC Measures in Need of Routine Maintenance are maintained within the required timeframes ?	Yes	

Report Period Ending: 1/26/2020
 Report Prepared By: Joe Crea

SUMMARY OF FINDINGS										
Total Number of SWPPP Inspections: 35 conducted from 1/13/2020 through 1/26/2020										
Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations (1/13/2020 through 1/26/2020): 35										
Total Number of ODCP Inspections at Laydown Yard 026: 5 (1/13/2020 through 1/17/2020); 5 (1/20/2020 through 1/24/2020)										
Total Number of VA DEQ Observations (1/13/2020 through 1/26/2020): 0										
Total Number of Landowner Complaints: 0										
Total Number of Right of Way Impacts Caused by Third Parties: 0										
Total Number of Off Right of Way Impacts: 0										
Total Number of ESC Measures in Need of Routine Maintenance Not Maintained Within Timeframes Required by MVP's Annual Standards and Specifications or as Otherwise Provided in the Consent Decree: 0										
Based on the Environmental Auditor's 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 1/13/2020 through 1/26/2020.										
ENVIRONMENTAL INSPECTOR OBSERVATIONS										
DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS
1/13/2020	Trace - 0.5" - 1 Hour	35				35		35 on 1/14/2020		Thirty-five items were identified requiring ESC repair/maintenance and completed within the required timeframe.
1/24/2020	1.0"-1.6" - 1.5 Hours									
VADEQ OBSERVATIONS										
DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS
LANDOWNER REPORTED COMPLAINTS										
DATE OF OBSERVATION	NEAREST ROAD OR FEATURE					TOTAL NUMBER OBSERVATIONS				SUMMARY OF OBSERVATIONS

ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS

DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS
1/22/2020	The Environmental Auditor evaluated MVP-MN-266 and observed waterbars and end treatments installed and functional at the time of the evaluation.	The Environmental Auditor communicated with the LEI and recommends continued BMP monitoring throughout MVP-MN-266.
1/13/2020-1/26/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPPs to be compliant during this reporting period for the Spread G Project.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring throughout the Spread G Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread G Project appears to meet the MVP Annual Standards and Specifications as required by the Virginia Erosion and Sediment Control Law (VESCL) and the Stormwater Management Act Linear Entity.

REQUIRED FINDINGS AND CONCLUSIONS

	Yes/No	If No, provide explanation and recommendation for corrective action (if any).
Best management practices for the Project are in accordance with MVP's Annual Standards and Specifications and MVP's Site Specific ESC and SWM Plans?	Yes	
The temporary erosion and sediment control measures are properly installed, inspected, and maintained?	Yes	
All Ineffective Temporary Erosion and Sediment Control Measures are repaired and ESC Measures in Need of Routine Maintenance are maintained within the required timeframes ?	Yes	

Report Period Ending: 02/9/2020

Report Prepared By: Joe Crea

SUMMARY OF FINDINGS

Total Number of SWPPP Inspections: 35 conducted from 1/27/2020 through 2/9/2020

Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations (1/27/2020 through 2/9/2020): 186

Total Number of ODCP Inspections at Laydown Yard 026: 5 (1/27/2020 through 1/31/2020); 5 (2/3/2020 through 2/7/2020)

Total Number of VA DEQ Observations (1/27/2020 through 2/9/2020): 10

Total Number of Landowner Complaints: 1

Total Number of Right of Way Impacts Caused by Third Parties: 1 impact to a sediment control was caused by cattle and repaired within the required timeframe.

Total Number of Off Right of way Impacts: 3 (Rainfall from 2/5/2020-2/6/2020 was approximately 3.9" with prolonged intervals of heavy rainfall). No Environmental Resources were impacted.

Total Number of ESC Measures in Need of Routine Maintenance Not Maintained Within Timeframes Required by MVP's Annual Standards and Specifications or as Otherwise Provided in the Consent Decree: 0

Based on the Environmental Auditor's 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 1/27/2020 through 2/9/2020.

ENVIRONMENTAL INSPECTOR OBSERVATIONS

DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS
1/27/2020	1.0"-1.65" - 1.5 Hours *Rainfall from 1/24/2020	37				37		8 on 1/27/2020 23 on 1/28/2020	1 on 1/27/2020 5 on 1/28/2020	Thirty-seven items were identified requiring ESC repair/maintenance and completed within the required timeframe. Ground conditions were saturated.
1/29/2020		11				11		10 on 1/29/2020	1 on 1/29/2020	Eleven items were identified requiring ESC repair/maintenance and completed within the required timeframe.
2/6/2020	1.4"-2.5" - 18 Hours *Rainfall recorded from event beginning on 2/5/2020 1.1"-1.9" *Additional Rainfall from 2/5/2020	28				28		26 on 2/7/2020	2 on 2/7/2020	Twenty-eight items were identified requiring ESC repair/maintenance and completed within the required timeframe. Ground conditions were saturated.
2/7/2020	1.4"-2.5" - 18 Hours *Rainfall recorded from event beginning on 2/5/2020 1.1"-1.9" *Additional Rainfall continuing from 2/5/2020 through 2/6/2020	110		3		107		108 on 2/8/2020 *2 offsite sediment items are within restricted access		One Hundred Ten items were identified requiring ESC repair/maintenance. Three locations were identified where offsite sediment impacts occurred in upland areas. The offsite sediment impacts distances were approximately three feet, 12 feet and 100 feet. Cleanup and mulching occurred at the 100-foot location and the remaining two are restricted access areas. No resources were impacted (Refer to Conclusions and Recommendations).

VADEQ OBSERVATIONS										
DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS
1/27/2020	1.0"-1.65" - 1.5 Hours *Rainfall from 1/24/2020	1				1		1 on 1/27/2020		One item was identified requiring ESC repair/maintenance and completed within the required timeframe. Ground conditions were saturated.
2/6/2020	1.4"-2.5" - 18 Hours *Rainfall recorded from event beginning on 2/5/2020 1.1"-1.9" *Additional Rainfall from 2/5/2020	1			1 (Cattle Impact)				1 on 2/7/2020	One item was identified requiring ESC repair/maintenance caused by cattle disturbance and completed within the required timeframe.
2/7/2020	1.4"-2.5" - 18 Hours *Rainfall recorded from event beginning on 2/5/2020 1.1"-1.9" *Additional Rainfall from 2/5/2020	8				8	6 requested on 2/7/2020 and approved for 2/11/2020	4 on 2/8/2020 *(includes 1 Extension)		Eight items were identified requiring ESC repair/maintenance. Four items have been completed within the required timeframe. The remaining 5 items have been granted an extension until 2/11/2020.
LANDOWNER REPORTED COMPLAINTS										
DATE OF OBSERVATION	NEAREST ROAD OR FEATURE					TOTAL NUMBER OBSERVATIONS			SUMMARY OF OBSERVATIONS	
2/7/2020	Stevens Gap Road/MVP-CR-258.02					1			During the heavy rain event from 2/5/2020-2/7/2020 a combination of upslope run-on and stream banks overtopping caused flooding to impact the right of way ESC measures. Items were identified on the MVP Punchlist and are in the process of being addressed (Refer to VADEQ Observations).	

ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS

DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS
1/30/2020	The Environmental Auditor evaluated portions of the right of way at the following locations: Mountain Lake Road/MVP-GI-249.01 (GAS), Seven Oaks Road/MVP-GI-253.02 (CIS) and Old Furnace Road/MVP-GI-256.02 (CIS/GAS). The Environmental Auditor observed ESC measures installed and functional throughout the right of way and observed erosive conditions within waterbar flow paths at Mountain Lake Road (GAS).	The Environmental Auditor communicated with the LEI and recommends continued monitoring and subsequent erosion control BMP upgrades as necessary within the waterbar flow paths at Mountain Lake Road (GAS).
2/7/2020	The Environmental Auditor reviewed the MVP punchlist and SWPPP Inspection Reports and noted offsite sediment impacts from the heavy rainfall event (2/5/2020-2/7/2020).	The Environmental Auditor communicated with the MVP Environmental team following the heavy precipitation event from 2/5/2020-2/7/2020 and recommends installing additional ESC measures related to runoff management and erosion control via soil stabilization blanket where offsite sediment impacts occurred.
1/26/2020-2/09/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPPs to be compliant during this reporting period for the Spread G Project.	Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread G Project appears to meet the MVP Annual Standards and Specifications as required by the Virginia Erosion and Sediment Control Law (VESCL) and the Stormwater Management Act Linear Entity.

REQUIRED FINDINGS AND CONCLUSIONS

	Yes/No	If No, provide explanation and recommendation for corrective action (if any).
Best management practices for the Project are in accordance with MVP's Annual Standards and Specifications and MVP's Site Specific ESC and SWM Plans?	Yes	
The temporary erosion and sediment control measures are properly installed, inspected, and maintained?	Yes	
All Ineffective Temporary Erosion and Sediment Control Measures are repaired and ESC Measures in Need of Routine Maintenance are maintained within the required timeframes ?	Yes	

Report Period Ending: 2/23/2020
 Report Prepared By: Joe Crea

SUMMARY OF FINDINGS										
Total Number of SWPPP Inspections: 36 conducted from 2/10/2020 through 2/21/2020										
Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations (2/10/2020 through 2/23/2020): 41 (includes 6 Carry Over Items From 2/9/2020)										
Total Number of ODCP Inspections at Laydown Yard 026 : 5 (2/10/2020 through 2/14/2020); 5 (2/17/2020 through 2/21/2020)										
Total Number of VA DEQ Observations (2/10/2020 through 2/23/2020): 8										
Total Number of Landowner Complaints: 0										
Total Number of Right of Way Impacts Caused by Third Parties: 0										
Total Number of Off Right of Way Impacts: 0										
Total Number of ESC Measures in Need of Routine Maintenance Not Maintained Within Timeframes Required by MVP's Annual Standards and Specifications or as Otherwise Provided in the Consent Decree: 0										

Based on the Environmental Auditor's 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 2/10/2020 through 2/23/2020.

*Refer to Carry Over Items From 2/09/2020 For Verification of Completion Date(s)

CARRY OVER ITEMS FROM 2/9/2020										
DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS
2/7/2020	2.1"-4.1" - Approx. 48 Hours Prolonged intervals of high intensity short duration rainfall *Total Rainfall from 2/7/2020	6				6	5 requested on 2/7/2020 to be completed on 2/11/2020 1 requested on 2/9/2020 to be completed on 2/10/2020	6 on 2/10/2020		Six items were identified requiring ESC repair/maintenance and were granted an extension until 2/10/2020 and 2/11/2020. These items were completed within the required timeframe.

ENVIRONMENTAL INSPECTOR OBSERVATIONS										
DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS
2/10/2020	0.5"-1.0" - 24 Hours	5				5		5 on 2/11/2020		Five items were identified requiring repair/maintenance and were completed within the required timeframe.
2/11/2020	Trace-0.1" - 1 Hour	18				18	1 requested on 2/12/2020 to be completed by 2/13/2020	17 on 2/12/2020 1 on 2/13/2020 (ext. request)		Eighteen items were identified requiring repair/maintenance and one of the items was granted an extension. All identified items were completed within the required timeframes.
2/12/2020		1				1		1 on 2/13/2020		One item was identified requiring repair/maintenance and was completed within the required timeframe.
2/13/2020	0.35"-0.6" - 6 Hours	6				6		6 on 2/14/2020		Six items were identified requiring repair/maintenance and were completed within the required timeframe.
2/17/2020		5				5			5 on 2/17/2020	Five items were identified requiring repair/maintenance and were completed within the required timeframe.

VADEQ OBSERVATIONS										
DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS
2/12/2020	Trace-0.1" - 1 Hour *Rainfall recorded on 2/11/2020	8				8		8 on 2/13/2020		Eight items were identified requiring repair/maintenance and completed within the required timeframe.

LANDOWNER REPORTED COMPLAINTS			
DATE OF OBSERVATION	NEAREST ROAD OR FEATURE	TOTAL NUMBER OBSERVATIONS	SUMMARY OF OBSERVATIONS
ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS			
DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS	
2/10/2020	The Environmental Auditor conducted site evaluations at the following locations: Mt. Tabor Road (CIS) and MVP-CR-258.01 (CIS)	The Environmental Auditor communicated with the LEI and provided recommendations related to ESC maintenance and installing additional ESC measures.	
2/20/2020	The Environmental Auditor conducted site evaluations at MVP-CR-258.01	The Environmental Auditor observed ESC measures to be installed and functional at the time of the evaluation.	
2/10/2020-2/23/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPPs to be compliant during this reporting period for the Spread G Project.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continual BMP monitoring throughout the Spread G Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread G Project appears to meet the MVP Annual Standards and Specifications as required by the Virginia Erosion and Sediment Control Law (VESCL) and the Stormwater Management Act Linear Entity.	
REQUIRED FINDINGS AND CONCLUSIONS			
	Yes/No	If No, provide explanation and recommendation for corrective action (if any).	
Best management practices for the Project are in accordance with MVP's Annual Standards and Specifications and MVP's Site Specific ESC and SWM Plans?	Yes		
The temporary erosion and sediment control measures are properly installed, inspected, and maintained?	Yes		
All Ineffective Temporary Erosion and Sediment Control Measures are repaired and ESC Measures in Need of Routine Maintenance are maintained within the required timeframes ?	Yes		

Report Period Ending: 3/8/2020
 Report Prepared By: Joe Crea

SUMMARY OF FINDINGS										
Total Number of SWPPP Inspections: 35 conducted from 2/24/2020 through 3/8/2020										
Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations (2/24/2020 through 3/8/2020): 7										
Total Number of ODCP Inspections at Laydown Yard 026 : 5 (2/24/2020 through 2/28/2020); 5 (3/2/2020 through 3/6/2020)										
Total Number of VA DEQ Observations (2/24/2020 through 3/8/2020): 2										
Total Number of Landowner Complaints: 0										
Total Number of Right of Way Impacts Caused by Third Parties: 5										
Total Number of Off Right of Way Impacts: 0										
Total Number of ESC Measures in Need of Routine Maintenance Not Maintained Within Timeframes Required by MVP's Annual Standards and Specifications or as Otherwise Provided in the Consent Decree: 0										
Based on the Environmental Auditor's 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 2/24/2020 through 3/8/2020.										
ENVIRONMENTAL INSPECTOR OBSERVATIONS										
DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS
2/25/2020	0.2"-0.5" - 3 Hours *Rainfall occurred on 2/24/2020	2				2		2 on 2/26/2020		Two items were identified requiring repair/maintenance and were completed within the required timeframe.
3/5/2020		5			5			5 on 3/6/2020		Five items were identified requiring repair/maintenance due to impacts caused by third parties and were completed within the required timeframe.
VADEQ OBSERVATIONS										
DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS
2/25/2020	0.2"-0.5" - 3 Hours *Rainfall occurred on 2/24/2020	2				2			2 on 2/26/2020	Two items were identified requiring repair/maintenance and completed within the required timeframe.
LANDOWNER REPORTED COMPLAINTS										
DATE OF OBSERVATION	NEAREST ROAD OR FEATURE					TOTAL NUMBER OBSERVATIONS			SUMMARY OF OBSERVATIONS	

ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS

DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS
2/26/2020	The Environmental Auditor conducted site evaluations at the following locations: Brush Mountain Road (CIS) and Craig Creek Road (GAS)	The Environmental Auditor observed ESC measures to be installed and functional at the time of the evaluation.
3/2/2020	The Environmental Auditor conducted site evaluations at the following locations: MVP-MN-266, Mountain Lake Road (CIS) and MVP-CR-258.02 (GAS)	The Environmental Auditor observed ESC measures to be installed and functional at the time of the evaluation.
2/24/2020-3/8/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPPs to be compliant during this reporting period for the Spread G Project.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continual BMP monitoring throughout the Spread G Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread G Project appears to meet the MVP Annual Standards and Specifications as required by the Virginia Erosion and Sediment Control Law (VESCL) and the Stormwater Management Act Linear Entity.

REQUIRED FINDINGS AND CONCLUSIONS

	Yes/No	If No, provide explanation and recommendation for corrective action (if any).
Best management practices for the Project are in accordance with MVP's Annual Standards and Specifications and MVP's Site Specific ESC and SWM Plans?	Yes	
The temporary erosion and sediment control measures are properly installed, inspected, and maintained?	Yes	
All Ineffective Temporary Erosion and Sediment Control Measures are repaired and ESC Measures in Need of Routine Maintenance are maintained within the required timeframes ?	Yes	

LANDOWNER REPORTED COMPLAINTS			
DATE OF OBSERVATION	NEAREST ROAD OR FEATURE	TOTAL NUMBER OBSERVATIONS	SUMMARY OF OBSERVATIONS
ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS			
DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS	
3/11/2020	The Environmental Auditor conducted site evaluations at the following locations: Brush Mountain Road (CIS) and MVP-CR-258.02 (GAS).	The Environmental Auditor observed ESC measures to be installed and functional at the time of the evaluation.	
3/19/2020	The Environmental Auditor conducted site evaluations at the following locations: Winding Way Drive/MVP-GI-251.01, Seven Oaks Road/MVP-GI-253.02 (GAS) and Old Furnace Road/MVP-GI-256.02 (GAS).	The Environmental Auditor observed ESC measures to be installed and functional at the time of the evaluation. The Environmental Auditor provided recommendations to the Lead EI regarding ESC monitoring related to erosion control at Seven Oaks Road/MVP-GI-253.02 (GAS) and Old Furnace Road/MVP-GI-256.02 (GAS).	
3/9/2020-3/22/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPPs to be compliant during this reporting period for the Spread G Project.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continual BMP monitoring throughout the Spread G Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread G Project appears to meet the MVP Annual Standards and Specifications as required by the Virginia Erosion and Sediment Control Law (VESCL) and the Stormwater Management Act Linear Entity.	
REQUIRED FINDINGS AND CONCLUSIONS			
	Yes/No	If No, provide explanation and recommendation for corrective action (if any).	
Best management practices for the Project are in accordance with MVP's Annual Standards and Specifications and MVP's Site Specific ESC and SWM Plans?	Yes		
The temporary erosion and sediment control measures are properly installed, inspected, and maintained?	Yes		
All Ineffective Temporary Erosion and Sediment Control Measures are repaired and ESC Measures in Need of Routine Maintenance are maintained within the required timeframes ?	Yes		

Report Period Ending: 4/5/2020
 Report Prepared By: Joe Crea

SUMMARY OF FINDINGS										
Total Number of SWPPP Inspections: 38 conducted from 3/23/2020 through 4/5/2020										
Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations (3/23/2020 through 4/5/2020): 8										
Total Number of ODCP Inspections at Laydown Yard 026 : 5 (3/23/2020 through 3/27/2020); 5 (3/30/2020 through 4/3/2020)										
Total Number of VA DEQ Observations (3/23/2020 through 4/5/2020): 2										
Total Number of Landowner Complaints: 0										
Total Number of Right of Way Impacts Caused by Third Parties: 0										
Total Number of Off Right of Way Impacts: 0										
Total Number of ESC Measures in Need of Routine Maintenance Not Maintained Within Timeframes Required by MVP's Annual Standards and Specifications or as Otherwise Provided in the Consent Decree: 0										
Based on the Environmental Auditor's 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 3/23/2020 through 4/5/2020.										
ENVIRONMENTAL INSPECTOR OBSERVATIONS										
DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS
3/25/2020	0.7"-1.2" - 12 Hours *Rainfall occurred on 3/24/2020	8				8		7 on 3/26/2020	1 on 3/36/2020	Eight items were identified requiring repair/maintenance and were completed within the required timeframe.
VADEQ OBSERVATIONS										
DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS
3/25/2020	0.7"-1.2" - 12 Hours *Rainfall occurred on 3/24/2020	2				2		1 on 3/26/2020	1 on 3/26/2020	Two items were identified requiring repair/maintenance and were completed within the required timeframe.
LANDOWNER REPORTED COMPLAINTS										
DATE OF OBSERVATION	NEAREST ROAD OR FEATURE					TOTAL NUMBER OBSERVATIONS			SUMMARY OF OBSERVATIONS	

ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS

DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS
3/26/2020	The Environmental Auditor conducted site evaluations at the following locations: Old Furnace Road/MVP-GI-256.02 (CIS/GAS), Stevers Gap Trail (CIS) and MVP-CR-258.02 (CIS).	The Environmental Auditor observed ESC measures to be installed and functional at the time of the evaluation. The Environmental Auditor provided recommendations to the Lead EI regarding ESC maintenance/repair at Stevers Gap Trail (CIS).
3/27/2020	The Environmental Auditor conducted a site evaluation at MVP-MN-266.	The Environmental Auditor observed ESC measures to be installed and functional at the time of the evaluation.
4/1/2020	The Environmental Auditor conducted site evaluations at Stevers Gap Trail (CIS) and Mt. Tabor Road (CIS).	The Environmental Auditor observed ESC measures to be installed and functional at the time of the evaluation. The Environmental Auditor provided recommendations to the Lead EI regarding erosion control monitoring.
3/23/2020-4/5/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPPs to be compliant during this reporting period for the Spread G Project.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continual BMP monitoring throughout the Spread G Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread G Project appears to meet the MVP Annual Standards and Specifications as required by the Virginia Erosion and Sediment Control Law (VESCL) and the Stormwater Management Act Linear Entity.

REQUIRED FINDINGS AND CONCLUSIONS

	Yes/No	If No, provide explanation and recommendation for corrective action (if any).
Best management practices for the Project are in accordance with MVP's Annual Standards and Specifications and MVP's Site Specific ESC and SWM Plans?	Yes	
The temporary erosion and sediment control measures are properly installed, inspected, and maintained?	Yes	
All Ineffective Temporary Erosion and Sediment Control Measures are repaired and ESC Measures in Need of Routine Maintenance are maintained within the required timeframes ?	Yes	