

Mountain Valley Pipeline Project – Spread H

Environmental Auditor Quarterly Report for Q4 2020

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Environmental Auditor Contact Information

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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. Spread H is located in Montgomery, Roanoke and Franklin 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 obtained the Virginia DEQ (VA DEQ) ESC/SWM Inspector Certifications. In addition to these Certifications, the LEI also obtained the VA DEQ Program Administrator Certification. The MVP Environmental Inspection team is responsible for conducting routine daily inspections and inspecting all temporary BMPs every four business days per the Storm Water Pollution Prevention Plan (SWPPP) 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 24 hours 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). Temporary ESC measures that are still effective but found to be in need of routine maintenance must be maintained within three days, unless an extension is granted by VA DEQ.

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

- Montgomery, Roanoke and Franklin Counties
 - 12005+00-12544+06
 - 12638+24-12715+80
 - 12728+30-12728+74
 - 12860+00-13122+00
 - 13196+41-13415+51
 - PY-006
 - LY-049

Forward construction progress occurred during this reporting period within the following upland geographical locations:

- Roanoke and Franklin Counties
 - 12728+30-12728+74
 - 12942+50-12957+30
 - 12960+00-12982+00
 - 13115+00-13122+00

Inspections did not occur from October 1, 2020 through December 31, 2020, between approximate stations 12544+06-12638+24, 12715+80-12728+30, and 13122+00-13196+40 as earth disturbance activities have not commenced within these locations.

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
- 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 10/01/2020 through 12/31/2020 (end of reporting period for Q4 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;
- 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 Project Specific Standards and Specifications;
- Oil Discharge Contingency Plan (ODPC) Inspection Reports;
- Storm Water Pollution Prevention Plans (SWPPPs), Erosion and Sediment Control (ESC) Plans and Post Construction Stormwater Management (SWM) Plans;
- Landowner complaint to the VA DEQ promulgating a Pollution Incident Summary Report #297146 dated October 28, 2020;
- Landowner complaint to the VA DEQ promulgating a Pollution Incident Summary Report #297329 dated November 11, 2020;
- Third Party complaint to the VA DEQ promulgating a Pollution Incident Summary Report #297330 dated November 11, 2020;

- Landowner complaint via Commonwealth of Virginia Mail (e-mail site) titled “Pollution events with new upland construction; into state waters Mill Creek”. Dated November 12, 2020 at 1:28 PM;
- Landowner complaint via Commonwealth of Virginia Mail (e-mail site) titled “Pollution events in upland construction Bent Mountain over upland streams”. Dated November 12, 2020 at 2:01 PM;
- Landowner complaint letter to the Federal Energy Regulatory Commission dated November 13, 2020;
- Landowner complaint letter to the Federal Energy Regulatory Commission dated November 24, 2020; and
- Landowner complaint letter to the Federal Energy Regulatory Commission dated December 3, 2020.

The Environmental Auditor also relied on assistance and information from the MVP staff, MVP Spread H Environmental Inspection team, Contractor (Environmental and Construction teams) and the Tetra Tech Civil Engineering and Construction Management Departments.

The following sections III. through VI. provide an overall summary from October 1, 2020 through December 31, 2020 (Q4 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 H-1A, the Environmental Inspectors observed at total of 139 daily punchlist items (includes carry over items from previous Bi-Weekly Reports) requiring repair/maintenance throughout the Q4 reporting period. During this reporting period, the Environmental Auditor noted 5 items identified by the EIs as ESC measures damaged due to impacts caused by third party activities. These impacts were related to landowner activities. All items provided on the punchlist for the reporting period were communicated to the Contractor Environmental team and addressed within the required timeframes.

The MVP Environmental Inspection team noted a total of 13 off right of way impacts from 11/11/2020 through 11/13/2020. These impacts were caused by remnants from Hurricane Eta which produced a prolonged heavy rainfall event with periods of high intensity/short duration rainfall (approximately 5+ inches at impacted areas). The storm event caused ESC measures to become overwhelmed resulting in the following:

- Five off right of way sediment impacts were identified on 11/11/2020 approximately 10, 15, 50, 50 and 60-feet, respectively within upland areas. The ESC measures were repaired/maintained and off right of way sediment clean up occurred at all 5 locations within the required timeframes. No resources were impacted;
- Four off right of way sediment and three access road gravel impacts were identified on 11/12/2020. The offsite sediment travelled approximately 20, 20, 25 and 60-feet off right away, respectively within upland areas. The access road gravel was displaced approximately 20, 20 and 60-feet, respectively within upland areas. The ESC measures and access road locations were repaired/maintained and off right of way sediment/gravel clean up occurred at all 7 locations. No resources were impacted; and
- One off right of way sediment impact was identified on 11/13/2020 approximately 60-feet within an upland area.

Off right of way clean up occurred and ESC measures were repaired/maintained. No resources were impacted. A Declaration of Force Majeure was submitted to the VA DEQ due to the magnitude of the storm event. Refer to Rainfall discussion, Sections IV. and VI. below for further discussions.

Based on the MVP Punchlist data and the Environmental Auditor's Bi-Weekly Reports, the following Table H-1A provides a summary of maintenance/repair items identified by the Environmental Inspectors throughout the Q4 reporting period:

Table H-1A

Spread H Environmental Inspector Observations: October 1, 2020 – December 31, 2020				
Monthly Observation	Total Number Observations	Environmental Resource Impact	Off Right of Way Impact	Right of Way Impacts Caused by Third Parties
October 2020	12	0	0	5
November 2020	*99	0	13	0
December 2020	*28	0	0	0

* Includes Carry Over Items

The EIs conducted a total of 184 SWPPP inspections and provided respective VSIRs throughout the reporting period. Items identified during the SWPPP inspections were communicated to the Contractor Environmental team and either addressed the same day or added to the MVP Daily Punchlist. Upon review of the SWPPP VSIRs and MVP Daily Punchlists, it appears that the EIs' observations were communicated to the contractor and noted issues were maintained/repared within the DEQ approved timeframe (24 hours/Three Days).

The MVP ODCP inspectors conducted weekly site inspections at Laydown Yard PY-006 from 10/1/2020-12/31/2020. Twenty-two inspections were conducted in October, twenty-four inspections were conducted in November and twenty-five inspections were conducted in December. Two minor spill observations related to Contractor vehicle/equipment refueling were identified by the ODCP inspectors on 10/28/2020 and 12/13/2020. Cleanup occurred immediately and no resources were impacted. The MVP Environmental team continues to communicate with the Contractor related to proper refueling practices.

An approximate total of 20 recordable rainfall events occurred during the Q4 reporting period. A prolonged storm event with intervals of high intensity/short duration rainfall associated with Hurricane Eta occurred from early 11/11/2020 through 11/13/2020. Per the Environmental Inspector Observations within this Section of the report and Section IV., this storm event resulted in 17 off right of way impacts identified by the MVP Environmental Inspection staff (13) and DEQ (4). Three environmental resource (streams) impacts were identified by the VA DEQ on 11/12/2020. A Declaration of Force Majeure was submitted to the VA DEQ due to the magnitude of the storm event.

The locations where off right of way and stream impacts were identified exhibit steep slopes with highly erodible soils. The approximate rainfall amount recorded at or near the impact areas was approximately 5+ inches with intervals of high intensity/short duration rainfall. The off right of way sediment and access road gravel were removed and ESC measures were repaired/maintained. The Contractor crews provided immediate response and repaired/maintained ESC measures as safely possible. On 11/13/2020, the Environmental Auditor observed the Contractor via oversight from the EI conducting repairs at both stream locations (S-GH11 and S-GH9). The Environmental Auditor observed a trace amount of sediment within the buffer areas but did not observe sediment deposition within the streambeds at the time of the evaluations. Per communication with the MVP Environmental Inspection staff, no sediment removal was required or conducted from the stream beds prior to the Environmental Auditor's observation.

Due to flooded and saturated conditions, vehicles/equipment were not able to access the right of way to conduct repair/maintenance within the allotted timeframes due to safety and potential right of way damage. The required extension requests were submitted to and approved by the DEQ. Temporary ESC measures that could be implemented via manual labor only were installed in the interim and final corrective actions were implemented upon drier/safer conditions.

Based on rainfall gauge data provided by the Spread H EIs, the following Table H-1B provides a summary of monthly recorded rainfall dates, amounts based on lowest to highest rates, and estimated duration for each event throughout the Q4 reporting period:

Table H-1B

Spread H Rainfall and Duration Rates: October 1, 2020 – December 31, 2020					
October		November		December	
Date Recorded	Rainfall and Approximate Duration	Date Recorded	Rainfall and Approximate Duration	Date Recorded	Rainfall and Approximate Duration
10/12/2020	1.1"-2.2" – 48 Hours *Rainfall began on 10/10/2020	11/1/2020	0.2"-0.6" – 2.4 Hours	12/1/2020	0.0"-0.2" – 5 Hours *Rainfall occurred on 11/30/2020
10/13/2020	0.0"-0.1" – 24 Hours *Rainfall began on 10/12/2020	11/10/2020	0.0"-0.1" – 2 Hours	12/5/2020	1.1"-1.5" – 10 Hours *Rainfall began on 12/4/2020
10/26/2020	0.2"-0.9" – 36 Hours *Rainfall occurred from 10/24/2020 through 10/25/2020	11/11/2020	0.7"-1.9" – 4 Hours *Remnants of Hurricane Eta	12/7/2020	0.0"-0.2" – 5 Hours *Mixed precipitation
10/29/2020	0.6"-1.1" - 15 Hours *Remnants from Tropical Storm Zeta began on 10/28/2020	11/12/2020	2.4"-4.3" – 22 Hours *Remnants of Hurricane Eta continuing from 11/11/2020	12/14/2020	1.0"-1.4" – 9 Hours
10/30/2020	1.1"-1.8" – 7 Hours *Remnants from Tropical Storm Zeta continuing from 10/28/2020	11/13/2020	0.0"-0.7" – 10.5 Hours	12/17/2020	0.4"-1.0" – 14 Hours *Mixed precipitation occurred on 12/16/2020
		11/23/2020	0.0"-0.1" – 2.5 Hours	12/24/2020	0.2"-0.6" – 12 Hours
		11/26/2020	0.0"-0.1" – 3 Hours	12/26/2020	0.4"-1.0" – 18 Hours *Mixed and eventually all frozen precipitation occurred from 12/24/2020 through 12/25/2020
		11/30/2020	0.6"-1.5" – 10 Hours *Rainfall began on 11/29/2020		

IV. Quarterly Summary of VA DEQ Observations

Per Table H-1C, the VA DEQ Inspectors observed a total of 44 items requiring repair/maintenance throughout the Q4 reporting period. All items provided on the punchlist for the reporting period were communicated to the Contractor Environmental team and addressed within the required timeframes.

During inspections following a prolonged heavy rainfall with periods of high intensity/short duration rainfall associated with Hurricane Eta (as noted in Section III.), the DEQ noted a total of 4 off right of way impacts from 11/11/2020 through 11/13/2020. Three of those identified impacts resulted in impacts to environmental resources. These impacts were caused by ESC measures overwhelmed by the storm event overwhelmed resulting in the following:

Three of items identified on 11/12/2020 as off right of way sediment impacts travelled approximately 20, 20 and 20-feet eventually impacting two environmental resources (S-GH11 and S-GH9). The storm event caused two impacts at S-GH11: sediment overwhelmed a waterbar sump at one location and sediment overwhelmed temporary bridge crossing at the other location. A temporary bridge crossing was overwhelmed and sediment discharged off the right of way that eventually impacted S-GH9. No further downstream impacts were identified by DEQ during the inspection. The Environmental Auditor observed the MVP Environmental team onsite and the Contractor immediately conducting repair/maintenance activities at both streams on 11/13/2020. The Environmental Auditor did not observe sediment deposition within both streambeds while conducting the evaluation and noted a trace amount of sediment within the buffer areas. The fourth identified off right of way location impacted by sediment travelled approximately 25-feet into an upland area.

Erosion and Sediment Control measures were repaired, sediment cleanup and temporary stabilization occurred within the required timeframe. A Declaration of Force Majeure was submitted to the VA DEQ due to the magnitude of the storm event. Refer to Section VI. below for further discussion.

Based on the MVP Punchlist data and the Environmental Auditor's Bi-Weekly Reports, the following Table H-1C provides a summary of maintenance/repair items identified by the VA DEQ Inspectors throughout the Q4 reporting period:

Table H-1C

Spread H VADEQ Observations: October 1, 2020 – December 31, 2020				
Monthly Observation	Total Number Observations	Environmental Resource Impact	Off Right of Way Impact	Right of Way Impacts Caused by Third Parties
October 2020	7	0	0	0
November 2020	30	3	4	0
December 2020	7	0	0	0

V. Quarterly Summary of Landowner/Third Party Issues

1. A landowner complaint was submitted to the VA DEQ and a Pollution Incident Summary Report (#297146) was drafted by DEQ on 10/28/2020. The Landowner complaint cited concerns related to tree clearing and grubbing with "no e&s". Per communication with the MVP Environmental Inspection team and review of the approved construction sequence, the construction activities were noted to be in compliance with the approved General Construction Sequence item #1. Earth disturbance activities occurred where the perimeter ESC measures needed to be installed per the approved ESC drawings. The EI provided documentation depicting the installation of the ESC measures during the afternoon of 10/28/2020. No further response has been received by the VA DEQ during this reporting period.
2. A landowner complaint was submitted to the VA DEQ and a Pollution Incident Summary Report (#297329) was drafted by DEQ on 11/11/2020. The landowner cited concerns related to excessive flooding and turbid water during a prolonged heavy storm event (Hurricane Eta) in a wetland area (W-Z9) at an existing access road culvert crossing (Green Hollow Drive/MVP-RO-287). The Landowner cited that the turbidity is believed to be related to the right of way construction activities approximately 1,000-feet east of this location. The Environmental Auditor conducted an evaluation of the right of way that included the contributing streams (S-Y7/S-Y8) flowing to the cited wetland area and observed ESC measures installed, functional, with recent enhancements. The Environmental Auditor submitted Draft redlines to the MVP Environmental team and met onsite to review them with the EI and Contractor prior to the storm event. No off right of way or environmental resource impacts were observed during the evaluation. No further response has been received by the VA DEQ during this reporting period.
3. A third party complaint was submitted to the VA DEQ and a Pollution Incident Summary Report (#297330) was drafted by DEQ on 11/11/2020. The complainant cited concerns related to stormwater runoff from the right of way and a "hole in the silt fence" upslope of Yellow Finch Lane during a prolonged heavy storm event (Hurricane Eta). The Environmental Auditor coordinated with the EI and all ESC measures were installed and functional with no off right of way or environmental resource impacts during throughout the storm event. No further response has been received by the VA DEQ during this reporting period.

4. A landowner complaint was e-mailed to the Commonwealth of Virginia Mail (e-mail site) titled "Pollution events with new upland construction; into state waters Mill Creek" on November 12, 2020 at 1:28 PM. The Landowner cited concerns that ESC measures to be "absent or have failed" during an ongoing "flood event" with "greater intensity" and purportedly impacting Mill Creek (S-IJ43). At the time remnants from Hurricane Eta produced a prolonged heavy rainfall event with periods of high intensity/short duration rainfall. However, the e-mail also notes that ESC "devices has been applied". The photo documentation provided in the e-mail depicts the following: turbid runoff flowing through a wooded area; a turbid plume at the edge of a wooded area and what appears to be a ponded area and ESC measures installed within and along the western perimeter of the right of way. The Environmental Auditor reviewed punch lists and communicated with the EI during the event. It appears that all ESC measures were installed and functioning throughout the storm event. Due to the heavy rainfall and affiliated runoff, turbid runoff did flow over the installed ESC measures. The EI conducted a site inspection during and immediately following the storm event and indicated that no off right of way sediment deposition was observed. The EI and affiliated punch list reports did not indicate any off right of way sediment or environmental resource impacts. The Environmental Auditor conducted follow up evaluations and observed the ESC measures installed and functional at the time of the evaluation. No further response has been received by the Commonwealth of Virginia during this reporting period.

5. A landowner complaint was e-mailed to the Commonwealth of Virginia Mail (e-mail site) titled "Pollution events in upland construction Bent Mountain over upland streams" on November 12, 2020 at 2:01 PM. The Landowner cited concerns related to "copious amounts" of sediment running off of the right of way, and purportedly impacting environmental resources below the noted location. At the time remnants from Hurricane Eta produced a prolonged heavy rainfall event with periods of high intensity/short duration rainfall. The photo documentation provided in the e-mail depicts turbid runoff flowing through then along the outside edge of the installed ESC measures which were overwhelmed by turbid runoff at an upslope wooded area. No photo documentation was provided depicting impacts to down slope environmental resources. Due to the heavy rainfall and affiliated runoff, turbid runoff overwhelmed the installed ESC measures. The EI conducted a site inspection during and immediately following the storm event and indicated that no off right of way sediment deposition was observed. The EI and affiliated punch list reports did not indicate off right of way or environmental resource impacts. The Environmental Auditor evaluated this location and noted the ESC measures installed and functional and no off right of way impacts. No further response has been received by the Commonwealth of Virginia during this reporting period.

6. A landowner complaint letter was sent to the Federal Energy Regulatory Commission (FERC) on November 13, 2020. The complaint sent to the FERC is a summary of the complaints submitted to the VA DEQ on 11/11/2020 (Pollution Incident Summary Report #297329) and the Commonwealth of Virginia Mail e-mail site on 11/12/2020 at 1:28 pm and 2:01 pm. The report cites complaints at the following locations: access road existing culvert/temporary bridge crossing at Green Hollow Drive (MVP-RO-287); Green Hollow Drive (MVP-RO-287) north section of the right of way above Mill Creek and Green Hollow Drive (MVP-RO-287) south section of right of way above S-Y7 and S-Y8. The Photo documentation of the actual right of way depicts ESC measures installed within and along the perimeter of the right of way. The Environmental Auditor did not note photos depicting point source discharge from the right of way into environmental resources and noted that one photo depicted non-turbid flow within streams S-Y7 and S-Y8 immediately downstream of the right of way. The Spread H LEI and Contractor communicated and coordinated throughout the storm event and ESC repairs/maintenance were conducted as needed. The Environmental Auditor conducted site evaluations throughout the storm event and provided recommendations for interim and long term ESC enhancements that included Draft redlines for ESC enhancements within the right of way north of S-Y7 and S-Y8. No further response has been received by the FERC during this reporting period.

7. A landowner complaint letter was sent to the Federal Energy Regulatory Commission on November 24, 2020. The landowner cited that "new upland E&S measures threaten clean water" due to a "new water diversion sent uphill" and "protective wetlands flagging is absent on access road and upland waters". The new upland ESC measures have been constructed per ESC Plan redlines utilizing approved DEQ Details to address waterbars in cut where the end treatment sumps cannot discharge off of the right of way. These ESC measures entail right of way runoff to be conveyed to a designed sediment sump (trap). Wetland signage was observed by the Environmental Auditor to be in place at all waterbody crossings throughout the access road.

8. A landowner complaint letter was sent to the Federal Energy Regulatory Commission on December 3, 2020. The landowner cited that "new upland E&S measures threaten clean water" due to "VA DEQ redlines E&S plans". The new upland ESC measures have been constructed per ESC Plan redlines utilizing approved DEQ Details to address waterbars in cut where the end treatment sumps cannot discharge off of the right of way. These ESC measures entail right of way runoff to be conveyed to a designed sediment sump (trap). The complaint also alleges concerns related to other ESC measures and grading activities. The Environmental Auditor conducted site evaluations following runoff events that occurred on 11/29/2020 and 12/3/2020 and observed all ESC measures to be installed and functional with no off right of way or resource impacts at the time of the evaluations. Wetland and Stream Crossing signage was observed to be in place at all waterbody crossings throughout the access road.

VI. Quarterly Summary of Environmental Auditor Observations and Recommendations

Per Table H-1D, the Environmental Auditor conducted 51 site evaluations during the Q4 reporting period and observed locations where ESC measures required repair/maintenance and provided recommendations to enhance existing or install additional ESC measures as necessary to minimize erosion and sediment impacts. During the reporting period, the Environmental Auditor evaluated the ESC and PCSM measures throughout the project for proper installation and functionality. The Environmental Auditor communicated observations and recommendations with the Spread H LEI and MVP staff. Repair/Maintenance items were added to the respective MVP Daily Punchlists and those items were addressed within the required timeframes. The Environmental Auditor provided additional recommendations and redlines as necessary to install (enhance) additional ESC measures. Recommendations and guidance entailed the following: temporary stabilization measures pertaining to soil stabilization blanket (SSB), straw and hydraulic mulch applications and runoff/sediment control measures pertaining to Clean Water Diversion (CWD) structures, waterbars/end sumps, access road runoff control measures and sediment trap structures.

During the ESC installation activities, the Spread H Environmental Inspection staff and Contractor communicated with the Environmental Auditor as needed to ensure proper installation was achieved. The Spread H Environmental Inspection staff and Environmental Auditor continue to monitor locations where additional ESC measures may need to be installed as necessary. The Environmental Auditor recommends that the MVP EIs continue to monitor areas where potential issues may result in accelerated erosion and offsite sedimentation and implement the appropriate ESC measures as necessary.

Per Sections III. and IV., the Environmental Auditor evaluated the project locations prior to, during and after the storm event (11/10/2020-11/13/2020) where off right of way and subsequent environmental resource impacts were identified as a result of the remnants from Hurricane Eta. The Environmental Auditor evaluated the impacted stream locations (S-GH11 and S-GH9) identified by the VA DEQ inspector on 11/12/2020 and noted that the ESC measures were repaired/replaced, off right of way sediment was removed and temporary stabilization measures implemented where necessary. The Environmental Auditor did not observe sediment deposition within the streambeds at the time of the evaluation.

The Environmental Auditor evaluated the upland off right of way sediment impact locations identified by the EIs and DEQ from 11/11/2020 through 11/13/2020. The Environmental Auditor noted the sediment was removed from the off right of way locations, ESC measures were repaired/maintained and eventually enhanced. The Environmental Auditor developed redlines for enhanced ESC measures (broad based dips, rip rap slope drains and an effective combination of perimeter erosion and sediment controls) at an access road location. The Environmental Auditor observed the redlines to be properly implemented.

The Environmental Auditor recommends that the MVP EIs continue to monitor areas where potential issues may result in accelerated erosion and offsite sedimentation and implement the appropriate ESC measures as necessary.

The Environmental Auditor continues to communicate with the MVP staff and Environmental Inspection team on a weekly basis. Discussions entail project feedback and recommendations/guidance to maintain compliance.

The following Table H-1D provides a summary of the monthly total number of observations (site evaluations) conducted by the Environmental Auditor throughout the Q4 reporting period.

Table H-1D

Environmental Auditor Field Observations: October 1, 2020 – December 30, 2020	
Month	Total Observations
October	7
November	24
December	25

VII. Conclusion(s)

Per Section IV. (b) (1) of the Consent Decree, the Environmental Auditor conducted site evaluations, evaluated Daily Punchlists, VSIR/SWPPP reports and communicated with the MVP staff and 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

It should be noted that A Declaration of Force Majeure was submitted to the VA DEQ regarding the storm event impacts produced by Hurricane Eta from 11/11/2020 through 11/13/2020.

Based on the aforementioned observations, the resources available and deployed in the field, including EIs and the construction contractor, were sufficient to regularly and consistently conduct routine maintenance and/or repair ineffective ESC measures in a timely manner throughout the Q4 reporting period.

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 instances noted in the Q4 2019 through Q3 2020 Reports in which sediment has left the ROW but MVP's requests for landowner permission to take corrective measures have been denied.

Report Period Ending: 10/4/2020
 Report Prepared By: Joe Crea

SUMMARY OF FINDINGS

Total Number of SWPPP Inspections: 31 conducted from 9/21/2020 through 10/4/2020 (includes PY-006)
 Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations (9/21/2020 through 10/4/2020): 6
 Total Number of ODCP Inspections at Laydown Yard PY-006 : 5 (9/21/2020 through 9/25/2020); 5 (9/28/2020 through 10/2/2020)
 Total Number of VA DEQ Observations (9/21/2020 through 10/4/2020): 1
 Total Number of Landowner/Third Party Reported Complaints: 0
 Total Number of Right of Way Impacts Caused by Third Parties: 2 (Landowner Traffic)
 Total Number of Off Right of Way Impacts: 0
 Total Number of Environmental Resource 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 9/21/2020 through 10/4/2020 .

CARRY OVER ITEMS FROM 9/20/2020

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

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
9/24/2020		2			2				2 on 9/25/2020	Two items were identified requiring repair/maintenance and completed within the required timeframe. Both items were caused by third party impacts related to landowner activities.
9/28/2020		4				4			4 on 9/29/2020	Four items were identified requiring repair/maintenance and 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
9/24/2020		1				1		1 on 9/25/2020		One item was identified requiring repair/maintenance and completed within the required timeframe.

LANDOWNER/THIRD PARTY 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	
9/24/2020	The Environmental Auditor conducted site evaluations at MVP-MN-268/268.01 (CIS/GAS).	The Environmental Auditor observed areas where the ESC measures and PCSM measures were installed and functional at the time of the evaluation.	
9/28/2020	The Environmental Auditor conducted site evaluations at Webster Corner Road (CIS/GAS).	The Environmental Auditor observed areas where the ESC measures and PCSM measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the LEI regarding observations and recommendations where ESC measures required maintenance/repair.	
10/1/2020	The Environmental Auditor conducted a site evaluation at MVP-AR-28 (CIS).	The Environmental Auditor observed areas where the ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the LEI regarding monitoring recommendations.	
9/21/2020 through 10/4/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPPs to be compliant during this reporting period for the Spread H Project.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring throughout the Spread H Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread H 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: 10/18/2020
 Report Prepared By: Joe Crea

SUMMARY OF FINDINGS										
Total Number of SWPPP Inspections: 24 conducted from 10/5/2020 through 10/18/2020 (includes PY-006)										
Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations (10/5/2020 through 10/18/2020): 3										
Total Number of ODCP Inspections at Laydown Yard PY-006 : 5 (10/5/2020 through 10/9/2020); 5 (10/12/2020 through 10/16/2020)										
Total Number of VA DEQ Observations (10/5/2020 through 10/18/2020): 5										
Total Number of Landowner/Third Party Reported Complaints: 0										
Total Number of Right of Way Impacts Caused by Third Parties: 3 (Landowner Traffic)										
Total Number of Off Right of Way Impacts: 0										
Total Number of Environmental Resource 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 10/5/2020 through 10/18/2020.										
CARRY OVER ITEMS FROM 10/4/2020										
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
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
10/6/2020		2			2				2 on 10/7/2020	Two items were identified requiring repair/maintenance and completed within the required timeframe. Both items were caused by third party impacts related to landowner activities.
10/14/2020		1			1			1 on 10/15/2020		One item was identified requiring replacement and was caused by third party impacts related to landowner activities.
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
10/6/2020		2				2			2 on 10/7/2020	Two items were identified requiring repair/maintenance and completed within the required timeframe.
10/12/2020	1.1"-2.2" – 48 Hours *Rainfall began on 10/10/2020	1				1		1 on 10/13/2020		One item was identified requiring repair/maintenance and completed within the required timeframe.
10/13/2020	0.0"-0.1" – 24 Hours *Rainfall began on 10/12/2020	1				1			1 on 10/14/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.
10/15/2020		1				1		1 on 10/16/2020		One item was identified requiring repair/maintenance and completed within the required timeframe.

LANDOWNER/THIRD PARTY 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	
10/12/2020	The Environmental Auditor conducted a site evaluation at Cahas Mountain Road #1 (CIS).	The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations.	
10/14/2020	The Environmental Auditor conducted site evaluations at MVP-MN-273 (CIS/GAS) and MVP-MN-270.01 (CIS).	The Environmental Auditor observed areas where ESC and PCSM measures were installed and functional at the time of the evaluations.	
10/5/2020 through 10/18/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPPs to be compliant during this reporting period for the Spread H Project.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring throughout the Spread H Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread H 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: 11/1/2020
 Report Prepared By: Joe Crea

SUMMARY OF FINDINGS

Total Number of SWPPP Inspections: 31 conducted from 10/19/2020 through 11/1/2020 (includes PY-006)

Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations (10/19/2020 through 11/1/2020): 3

Total Number of ODCP Inspections at Laydown Yard PY-006 : 5 (10/19/2020 through 10/23/2020); 5 (10/26/2020 through 10/30/2020): A minor spill near a fuel pump in the Contractor yard was observed by the ODCP inspector on 10/28/2020. The Contractor was notified and the spill was cleaned up immediately. The ODCP inspector documented the spill clean up in the 10/29/2020 report.

Total Number of VA DEQ Observations (10/19/2020 through 11/1/2020): 2

Total Number of Landowner/Third Party Reported Complaints: 1 (A Landowner Complaint was submitted to VA DEQ and a Pollution Incident Summary Report was drafted by DEQ 10/28/2020. The Landowner complaint cited concerns related to tree clearing and grubbing with "no e&s". Per communication with the MVP Environmental Inspection team, the construction activities were noted to be in compliance with the approved General Construction Sequence item #1. Earth disturbance activities occurred where the perimeter ESC measures needed to be installed per the approved ESC drawings. The EI provided documentation depicting the installation of the ESC measures during the afternoon of 10/28/2020. No further response has been received by the VA DEQ during this reporting period).

Total Number of Right of Way Impacts Caused by Third Parties: 0

Total Number of Off Right of Way Impacts: 0

Total Number of Environmental Resource 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 10/19/2020 through 11/1/2020.

CARRY OVER ITEMS FROM 10/18/2020

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

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
10/21/2020		1				1			1 on 10/21/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.
10/28/2020		1				1			1 on 10/28/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.
10/30/2020	1.7"-2.6" - 22 Hours *Prolonged rainfall from tropical storm Zeta began on 10/28/2020	1				1			1 on 10/30/2020	One item was identified requiring repair/maintenance and 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
10/26/2020	0.2"-0.9" - 36 Hours *Rainfall occurred from 10/24/2020 through 10/25/2020	1				1		1 on 10/26/2020		One item was identified requiring repair/maintenance and completed within the required timeframe.
10/30/2020	1.7"-2.6" - 22 Hours *Prolonged rainfall from tropical storm Zeta began on 10/28/2020	1				1			1 on 10/31/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.

LANDOWNER/THIRD PARTY REPORTED COMPLAINTS			
DATE OF OBSERVATION	NEAREST ROAD OR FEATURE	TOTAL NUMBER OBSERVATIONS	SUMMARY OF OBSERVATIONS
10/28/2020	MVP-RO-287	1	The Landowner complaint cited concerns related to no erosion and sediment controls installed during the tree clearing and grubbing process and noted that ESC materials were onsite. Per communication with the MVP Environmental Inspection team, the construction activities were noted to be in compliance with the approved General Construction Sequence item #1. Earth disturbance activities occurred where the perimeter ESC measures needed to be installed per the approved ESC drawings. The EI provided documentation depicting the installation of the ESC measures during the afternoon of 10/28/2020. No further response has been received by the VA DEQ during this reporting period.
ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS			
DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS	
10/23/2020	The Environmental Auditor conducted a site evaluations at MVP-FR-289 (CIS/GAS) and MVP-FR-290 (CIS/GAS).	The Environmental Auditor observed areas where ESC and PCSM measures were installed and functional at the time of the evaluations.	
10/30/2020	The Environmental Auditor conducted a site evaluation at MVP-FR-292.	The Environmental Auditor observed areas where ESC and PCSM measures were installed and functional at the time of the evaluation.	
10/19/2020 through 11/1/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPP Inspection Reports to be compliant during this reporting period for the Spread H Project.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring throughout the Spread H Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread H 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		

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
11/5/2020		2				2			2 on 11/5/2020	Two items were identified requiring repair/maintenance and completed within the required timeframe.
11/10/2020	0.0"-0.1" - 2 Hours	3				3			2 on 11/10/2020 1 on 11/11/2020	Three items were identified requiring repair/maintenance and completed within the required timeframe.
11/11/2020	0.7"-1.9" - 4 Hours *Remnants of Hurricane Eta	14		5		9		5 on 11/11/2020 6 on 11/12/2020	2 on 11/12/2020 1 on 11/13/2020	Fourteen items were identified requiring repair/maintenance and completed within the required timeframe. Five of the identified items were identified as off right of way sediment impacts approximately 10, 15, 50, 50 and 60-feet off right of way within upland areas. A prolonged storm event with intervals of high intensity/short duration rainfall caused sediment controls to be overwhelmed. ESC measures were repaired/maintained and off right of way sediment clean up occurred at all 5 locations. No resources were impacted. The Environmental Auditor evaluated both locations and provided immediate and long term recommendations which included draft redlines.
11/12/2020	2.4"-4.0" - 22 Hours *Remnants of Hurricane Eta continuing from 11/11/2020	29		7		22	1 on 11/12/2020 to be completed on 11/19/2020 (geotechnical issue) 4 on 11/13/2020 to be completed on 11/14/2020	6 on 11/12/2020 12 on 11/13/2020 4 on 11/14/2020 (Ext. Request)	1 on 11/12/2020 4 on 11/13/2020 1 on 11/14/2020	Twenty-nine items were identified requiring repair/maintenance and 28 were completed within the required timeframe. Seven of the items were identified as off right of way impacts. Four of the impacts were related to sediment approximately 20, 20, 25 and 60-feet off right away within upland areas. Three of the impacts were related to access road gravel displacement approximately 20, 20 and 60-feet. A prolonged storm event with intervals of high intensity/short duration rainfall caused sediment controls and access road gravel to be overwhelmed. ESC measures and access road locations were repaired/maintained and off right of way sediment/gravel clean up occurred at all 7 locations. No resources were impacted. Five of the identified items received extension request approvals and four were completed within the required timeframe. The remaining one area experienced a slope slip and remains under an extension request approval. A Geotech investigation is currently underway.
11/13/2020	0.0"-0.7" - 10.5 Hours *Remnants of Hurricane Eta continuing from 11/11/2020	22		1		21	6 on 11/13/2020 to be completed on 11/15/2020	11 on 11/14/2020	8 on 11/14/2020	Twenty-two items were identified requiring repair/maintenance and 19 were completed within the required timeframe. Six of the identified items received extension request approvals and were completed within the required timeframe. One of the identified items was identified as off right of way impact approximately 60-feet within an upland area. A prolonged heavy storm event with intervals of high intensity/short duration rainfall caused access road gravel to overwhelm sediment controls. Off right of way clean up occurred and ESC measures were repaired/maintained. No resources were impacted. The three remaining identified items have three days to be completed.
11/14/2020		1				1			1 on 11/14/2020	One item was identified requiring repair/maintenance and 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
11/3/2020	0.2"-0.6" - 1.70 Hours *Rainfall occurred on 11/1/2020	1				1			1 on 11/3/2020	One item was identified requiring repair/maintenance and completed within the required timeframe. This item entailed multiple areas of silt fence repair within a 300-foot area of the right of way
11/4/2020		2				2			2 on 11/5/2020	Two items were identified requiring repair/maintenance and completed within the required timeframe.
11/12/2020	0.7"-1.9" - 1st 4 Hours on 11/11/2020 2.4"-4.3" - 22 Hours *Remnants of Hurricane Eta continuing from 11/11/2020	16	3	4		9	4 on 11/13/2020 to be completed on 11/14/2020	1 on 11/12/2020 9 on 11/13/2020 4 on 11/14/2020 (Ext. Requests)	2 on 11/13/2020	Sixteen items were identified requiring repair/maintenance and completed within the required timeframe. Four of the items were identified as off right of way sediment impacts approximately 20, 20, 20 and 25-feet off the right of way. Three of the items resulted in three environmental resources impacts. A prolonged heavy storm event with intervals of high intensity/short duration rainfall (Hurricane Eta) caused sediment to overwhelm a sediment controls and a temporary bridge crossing impacting stream (S-GH11) at one location. A temporary bridge crossing was overwhelmed and sediment eventually impacted a stream (S-GH9) at the other location. The Environmental Auditor observed the MVP Environmental team onsite and the Contractor immediately conducting repair/maintenance activities at both streams on 11/13/2020. The Environmental Auditor did not observe sediment deposition within both streambeds while conducting the evaluation and noted a trace amount of sediment within the buffer areas. The fourth identified off right of way location impacted by sediment was in an upland area. Erosion and Sediment Control measures were repaired and sediment cleanup occurred within the required timeframe. The Environmental Auditor provided recommendations to the MVP Environmental team. Four of the identified items received extension request approvals and completed within the required timeframe.
11/13/2020	0.0"-0.7" - 10.5 Hours *Remnants of Hurricane Eta continuing from 11/11/2020	3				3		2 on 11/13/2020	1 on 11/13/2020	Three items were identified requiring repair/maintenance and completed within the required timeframe.
11/14/2020		4				4	2 on 11/14/2020 to be completed on 11/16/2020	2 on 11/14/2020		Four items were identified requiring repair/maintenance and two of the items were completed within the required timeframe. The remaining two items received extension request approvals.

LANDOWNER/THIRD PARTY REPORTED COMPLAINTS

DATE OF OBSERVATION	NEAREST ROAD OR FEATURE	TOTAL NUMBER OBSERVATIONS	SUMMARY OF OBSERVATIONS
11/11/2020	Green Hollow Road (MVP-RO-287)	1	The Landowner complaint submitted to the VA DEQ cited concerns related to excessive flooding and turbid water during a prolonged heavy storm event in a wetland area (W-29) at an existing access road culvert crossing (Green Hollow Drive/MVP-RO-287). The Landowner cited that the turbidity is believed to be related to the right of way construction activities approximately 1,000-feet east of this location. The Environmental Auditor conducted an evaluation of the right of way that included the contributing streams (S-Y7/S-Y8) flowing to the cited wetland area and observed ESC measures installed, functional, with recent enhancements. The Environmental Auditor submitted Draft redlines to the MVP Environmental team and met onsite to review them with the EI and Contractor prior to the storm event. No off right of way or environmental resource impacts were observed during the evaluation. No further response has been received by the VA DEQ during this reporting period.
11/11/2020	Yellow Finch Lane (MVP-MN-278.01)	2	The third party complaint submitted to the VA DEQ cited concerns during a prolonged heavy storm event related to stormwater runoff from the right of way and a "hole in the silt fence" upslope of Yellow Finch Lane. The Environmental Auditor coordinated with the EI and all ESC measures were installed and functional with no off right of way or environmental resource impacts during throughout the storm event. No further response has been received by the VA DEQ during this reporting period.
11/12/2020	Green Hollow Road (MVP-RO-287)	1	The Landowner complaint (e-mail) to the Commonwealth of Virginia E-Mail cited concerns that ESC measures to be "absent or have failed" during an ongoing "flood event" with "greater intensity" and purportedly impacting Mill Creek (S-U43). However, the e-mail also notes that ESC "devices has been applied". The photo documentation provided in the e-mail depicts the following: turbid runoff flowing through a wooded area; a turbid plume at the edge of a wooded area and what appears to be a ponded area and ESC measures installed within and along the western perimeter of the right of way. The Environmental Auditor reviewed punch lists and communicated with the EI during the event. It appears that all ESC measures were installed and functioning throughout the storm event. Due to the heavy rainfall and affiliated runoff, turbid runoff did flow over the installed ESC measures. The EI conducted a site inspection during and immediately following the storm event and indicated that no off right of way sediment deposition was observed. The EI and affiliated punch list reports did not indicate off right of way or environmental resource impacts. The Environmental Auditor will be re-evaluating the right of way and communicating recommendations as necessary. No further response has been received by the Commonwealth of Virginia during this reporting period.
11/12/2020	Green Hollow Road (MVP-RO-287)	1	The Landowner complaint (e-mail) to the Commonwealth of Virginia E-Mail cited concerns related to "copious amounts" of sediment running off of the right of way, and purportedly impacting environmental resources below the noted location. This observation occurred during a prolonged heavy storm event. The photo documentation provided in the e-mail depicts turbid runoff flowing through then along the outside edge of the installed ESC measures which were overwhelmed by turbid runoff at an upslope wooded area. No photo documentation was provided depicting impacts to down slope environmental resources. Due to the heavy rainfall and affiliated runoff, turbid runoff overwhelmed the installed ESC measures. The EI conducted a site inspection during and immediately following the storm event and indicated that no off right of way sediment deposition was observed. The EI and affiliated punch list reports did not indicate off right of way or environmental resource impacts. The Environmental Auditor will be re-evaluating the right of way and communicating recommendations as necessary. No further response has been received by the Commonwealth of Virginia during this reporting period.
11/13/2020	Green Hollow Road (MVP-RO-287)	3	The Landowner complaint related to erosion and sediment control submitted to the FERC is a compilation/summary of reports #1, #3 and #4 (Green Hollow Drive) within this section of the Bi-Weekly Report. The report cites complaints at the following locations: access road existing culvert/temporary bridge crossing at Green Hollow Drive (MVP-RO-287); Green Hollow Drive (MVP-RO-287) north section of the right of way above Mill Creek and Green Hollow Drive (MVP-RO-287) south section of right of way above S-Y7 and S-Y8. Refer to Landowner/Third Party Reported Complaints for further detailed discussion at each location. The Photo documentation of the actual right of way depicts ESC measures installed within and along the perimeter of the right of way. The Environmental Auditor did not note photos depicting point source discharge from the right of way into environmental resources and noted that one photo depicted non-turbid flow within streams S-Y7 and S-Y8 immediately downstream of the right of way. The LEI and Contractor communicated and coordinated throughout the storm event and ESC repairs/maintenance were conducted as needed. The Environmental Auditor conducted site evaluations throughout the storm event and provided recommendations for interim and long term ESC enhancements that included Draft redlines for ESC enhancements within the right of way north of S-Y7 and S-Y8. No further response has been received by the FERC during this reporting period.

ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS

DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS
11/6/2020	The Environmental Auditor conducted a site evaluation at MVP-RO-287 (CIS/GAS).	The Environmental Auditor evaluated clearing and grubbing operations and provided guidance on the installation of ESC measures.
11/7/2020	The Environmental Auditor conducted a site evaluation at MVP-RO-287 (CIS/GAS).	The Environmental Auditor evaluated clearing and grubbing operations and provided guidance to the MVP Environmental team and Contractor regarding the installation of ESC measures.
11/10/2020	The Environmental Auditor conducted site evaluations at MVP-RO-287 (CIS/GAS) and MVP-RO-288 (CIS/GAS).	The Environmental Auditor communicated with the MVP Environmental team and Contractor regarding observations and recommendations where ESC measures required maintenance/repair and enhanced erosion and sediment control measures to be installed.
11/11/2020	The Environmental Auditor conducted site evaluations at the following locations: MVP-RO-287 (CIS/GAS), MVP-RO-288 (CIS/GAS) and MVP-RO-281 (Access Road).	The Environmental Auditor communicated with the MVP Environmental team regarding observations and recommendations where ESC measures required maintenance/repair and enhanced erosion and sediment control measures to be installed.
11/13/2020	The Environmental Auditor conducted site evaluations at the following locations: Webster Corner Road (CIS), Flanders Road (CIS), MVP-RO-287 (CIS/GAS) and MVP-RO-288 (CIS/GAS).	The Environmental Auditor communicated with the MVP Environmental team regarding observations and recommendations where ESC measures required maintenance/repair and enhanced erosion and sediment control measures to be installed.
11/2/2020 through 11/15/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPP Inspection Reports to be compliant during this reporting period for the Spread H Project.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring throughout the Spread H Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread H 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. The Environmental Auditor recommends continued communication prior to forecasted precipitation events to review a plan of action as necessary related to ESC measure implementation.

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: 11/29/2020
 Report Prepared By: Joe Crea

SUMMARY OF FINDINGS										
Total Number of SWPPP Inspections: 31 conducted from 11/16/2020 through 11/29/2020 (includes PY-006)										
Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations from 11/16/2020 through 11/29/2020 (includes Carry Over Items from 11/15/2020): 24										
Total Number of ODCP Inspections at Laydown Yard PY-006 : 6 (11/16/2020 through 11/21/2020); 5 (11/23/2020 through 11/25/2020 and 11/27/2020-11/28/2020)										
Total Number of VA DEQ Observations (11/16/2020 through 11/29/2020): 4										
Total Number of Landowner/Third Party Reported Complaints: 1 (A third party landowner complaint was filed with the Federal Energy Regulatory Commission (FERC) on 11/24/2020. The complaint cites that "new upland E&S measures threaten clean water" due to a "new water diversion sent uphill" and "protective wetlands flagging is absent on access road and upland waters". The new upland ESC measures are recent ESC Plan redlines utilizing approved DEQ Details to address waterbars in cut where the end treatment sumps cannot discharge off of the right of way. These ESC measures will gather right of way runoff to be conveyed to a designed sediment trap. Wetland signage is in place at all waterbody crossings throughout the access road).										
Total Number of Right of Way Impacts Caused by Third Parties: 0										
Total Number of Off Right of Way Impacts: 0										
Total Number of Environmental Resource 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 11/16/2020 through 11/29/2020.										
CARRY OVER ITEMS FROM 11/15/2020										
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
11/12/2020	2.4"-4.0" - 22 Hours *Remnants of Hurricane Eta continuing from 11/11/2020	1				1	1 on 11/12/2020, 11/18/2020 and 11/25/2020 to be completed on 12/5/2020			Engineering design being prepared for slide impact area. Long term extension approval has been granted.
11/13/2020	0.0"-0.7" - 10.5 Hours *Remnants of Hurricane Eta continuing from 11/11/2020	3				3			3 on 11/16/2020	Three items were identified requiring repair/maintenance and completed within the required timeframe.
11/14/2020		2				2	2 on 11/14/2020, 11/16/2020, 11/17/2020, 11/18/2020, 11/19/2020 and 11/20/2020 to be completed on 11/21/2020	2 on 11/21/2020 (Ext. Request)		Two items were identified requiring repair/maintenance and completed within the required timeframe via extension request approvals.
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
11/16/2020		2				2			1 on 11/16/2020 1 on 11/17/2020	Two items were identified requiring repair/maintenance and completed within the required timeframe.
11/17/2020		6				6			6 on 11/18/2020	Six items were identified requiring repair/maintenance and completed within the required timeframe.
11/19/2020		1				1			1 on 11/20/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.
11/20/2020		2				2			2 on 11/20/2020	Two items were identified requiring repair/maintenance and completed within the required timeframe.
11/21/2020		2				2			2 on 11/21/2020	Two items were identified requiring repair/maintenance and completed within the required timeframe.
11/23/2020	0.0"-0.1" - 2.5 Hours	1				1			1 on 11/24/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.
11/24/2020		1				1			1 on 11/24/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.
11/25/2020		1				1			1 on 11/25/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.
11/27/2020		2				2			2 on 11/27/2020	Two items were identified requiring repair/maintenance and 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
11/17/2020		2				2		1 on 11/18/2020	1 on 11/17/2020	Two items were identified requiring repair/maintenance and completed within the required timeframe.
11/18/2020		1				1			1 on 11/19/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.
11/19/2020		1				1			1 on 11/20/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.
LANDOWNER/THIRD PARTY REPORTED COMPLAINTS										
DATE OF OBSERVATION	NEAREST ROAD OR FEATURE					TOTAL NUMBER OBSERVATIONS			SUMMARY OF OBSERVATIONS	
11/24/2020	Green Hollow Road (MVP-RO-287)					2			A third party landowner complaint was filed with the Federal Energy Regulatory Commission (FERC) on 11/24/2020. The complaint cites that "new upland E&S measures threaten clean water" due to a "new water diversion sent uphill" and "protective wetlands flagging is absent on access road and upland waters". The new upland ESC measures have been constructed per ESC Plan redlines utilizing approved DEQ Details to address waterbars in cut where the end treatment sumps cannot discharge off of the right of way. These ESC measures entail right of way runoff to be conveyed to a designed sediment sump (trap). Wetland signage is in place at all waterbody crossings throughout the access road.	
ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS										
DATE OF OBSERVATION	OBSERVATIONS					CONCLUSION AND RECOMMENDATIONS				
11/18/2020	The Environmental Auditor conducted a site evaluations at MVP-RO-287 (CIS/GAS) and MVP-RO-288 (CIS/GAS).					The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations. The Environmental Auditor communicated with the MVP Environmental team and Contractor regarding observations and recommendations where ESC measures required maintenance/repair and enhanced erosion and sediment control measures to be installed.				
11/19/2020	The Environmental Auditor conducted a site evaluation at MVP-RO-281.					The Environmental Auditor observed ESC measures being reinstalled per redlines at the time of the evaluation.				
11/20/2020	The Environmental Auditor conducted a site evaluations at the following locations: MVP-FR-291 (CIS/GAS), Flanders Road (CIS) and MVP-RO-288 (CIS/GAS).					The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations. The Environmental Auditor communicated with the MVP Environmental team and Contractor regarding observations and recommendations where ESC measures required maintenance/repair and enhanced erosion and sediment control measures to be installed.				
11/21/2020	The Environmental Auditor conducted a site evaluation at MVP-FR-291.					The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations. The Environmental Auditor communicated with the MVP Environmental team and Contractor regarding observations and recommendations where ESC measures required maintenance/repair and enhanced erosion and sediment control measures to be installed.				
11/23/2020	The Environmental Auditor conducted a site evaluations at the following locations: MVP-FR-291 (GAS), MVP-RO-287 (CIS) and MVP-RO-288 (CIS/GAS).					The Environmental Auditor observed areas where ESC were installed and functional at the time of the evaluation.				
11/16/2020 through 11/29/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPP Inspection Reports to be compliant during this reporting period for the Spread H Project.					The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring throughout the Spread H Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread H 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/THIRD PARTY REPORTED COMPLAINTS			
DATE OF OBSERVATION	NEAREST ROAD OR FEATURE	TOTAL NUMBER OBSERVATIONS	SUMMARY OF OBSERVATIONS
12/3/2020	Green Hollow Road (MVP-RO-287)	2 (ESC related)	A third party landowner complaint was filed with the Federal Energy Regulatory Commission (FERC) on 12/3/2020. The complaint cites that "new upland E&S measures threaten clean water" due to "VA DEQ redlines E&S plans". The complaint alleges ineffectiveness of a waterbars in cut system. The new upland ESC measures have been constructed per ESC Plan redlines utilizing approved DEQ Details to address waterbars in cut where the end treatment sumps cannot discharge off of the right of way. These ESC measures entail right of way runoff to be conveyed to a designed sediment sump (trap). The complaint also alleges concerns related to other ESC measures and grading activities. The Environmental Auditor conducted site evaluations following runoff events that occurred on 11/29/2020 and 12/3/2020 and observed all ESC measures to be installed and functional with no off right of way or resource impacts at the time of the evaluations. Wetland and Stream Crossing signage was observed to be in place at all waterbody crossings throughout the access road.
ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS			
DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS	
11/30/2020	The Environmental Auditor conducted a site evaluations at the following locations: MVP-RO-288 (CIS/GAS), MVP-FR-291 (GAS) and MVP-RO-281.	The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations. The Environmental Auditor communicated with the MVP Environmental team and Contractor regarding observations and recommendations where ESC measures required maintenance/repair and enhanced erosion and sediment control measures to be installed.	
12/1/2020	The Environmental Auditor conducted a site evaluation at MVP-RO-287 (CIS/GAS).	The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the MVP Environmental team and Contractor regarding observations and recommendations where ESC measures required maintenance/repair and enhanced erosion and sediment control measures to be installed.	
12/2/2020	The Environmental Auditor conducted a site evaluation at MVP-RO-288 (MVP-ATWS-1310).	The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the MVP Environmental team regarding observations and recommendations where ESC measures required maintenance/repair and enhanced erosion and sediment control measures to be installed.	
12/3/2020	The Environmental Auditor conducted site evaluations at Wades Gap Road (GAS) and MVP-RO-288 (CIS).	The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations. The Environmental Auditor communicated with the MVP Environmental team regarding observations and recommendations where ESC measures required maintenance/repair and enhanced erosion and sediment control measures to be installed.	
12/4/2020	The Environmental Auditor conducted a site evaluation at MVP-RO-288 (CIS/GAS)	The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluation.	
12/5/2020	The Environmental Auditor conducted site evaluations at MVP-RO-288 (CIS/GAS) and MVP-RO-287 (CIS/GAS).	The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations. The Environmental Auditor communicated with the MVP Environmental team regarding observations and recommendations where ESC measures required maintenance/repair and enhanced erosion and sediment control measures to be installed at MVP-RO-288 (CIS).	
12/10/2020	The Environmental Auditor conducted site evaluations at MVP-RO-288 (CIS/GAS) and MVP-RO-287 (CIS/GAS).	The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations. The Environmental Auditor communicated with the MVP Environmental team regarding observations and recommendations where ESC measures required maintenance/repair and enhanced erosion and sediment control measures to be installed at MVP-RO-288 (CIS).	
12/11/2020	The Environmental Auditor conducted a site evaluations at the following locations: MVP-RO-288 (CIS/GAS), MVP-FR-291 (GAS) and MVP-RO-281.	The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations. The Environmental Auditor communicated with the MVP Environmental team regarding observations and recommendations where ESC measures required maintenance/repair.	
12/13/2020	The Environmental Auditor conducted site evaluations at MVP-RO-281 and MVP-RO-287 (CIS/GAS).	The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations. The Environmental Auditor communicated with the MVP Environmental team regarding guidance on the hydraulic mulch application process.	
11/30/2020 through 12/13/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPP Inspection Reports to be compliant during this reporting period for the Spread H Project.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring throughout the Spread H Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread H 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		

MOUNTAIN VALLEY PIPELINE
 SPREAD H
 ENVIRONMENTAL AUDITOR BI-WEEKLY REPORT - 12/14/2020 through 12/27/2020

ENVIRONMENTAL AUDITOR CONTACT INFORMATION
 Joe Crea CPESC, CPSWQ
 Tetra Tech
 661 Andersen Drive, Suite 200, Pittsburgh PA 15220

Report Period Ending: 12/27/2020
 Report Prepared By: Joe Crea

SUMMARY OF FINDINGS

Total Number of SWPPP Inspections: 26 conducted from 12/14/2020 through 12/27/2020 (includes PY-006): *Inspections scheduled for 12/16/2020 conducted on 12/17/2020 due to unsafe winter conditions on 12/16/2020. Holiday on 12/25/2020.

Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations from 12/14/2020 through 12/27/2020 (includes Carry Over Items from 12/13/2020): 14

Total Number of ODCP Inspections at Laydown Yard PY-006 : 5 (*12/14/2020-12/15/2020 & 12/17/2020-12/19/2020); 4 (12/21/2020 through 12/24/2020): *Unsafe winter conditions on 12/16/2020. Holiday on 12/25/2020.

Total Number of VA DEQ Observations from 12/14/2020 through 12/27/2020: 6

Total Number of Landowner/Third Party Reported 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 Environmental Resource 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 12/14/2020 through 12/27/2020.

CARRY OVER ITEMS FROM 12/13/2020

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
11/12/2020	2.4"-4.0" - 22 Hours *Remnants of Hurricane Eta continuing from 11/11/2020	1				1	1 on 11/12, 11/18, 11/25, 12/9/, 12/17 and 12/23/2020 to be completed on 12/31/2020			Engineering design being prepared for slide impact area. Long term extension approval has been granted.

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
12/14/2020	1.0"-1.4" - 9 Hours	1				1			1 on 12/15/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.
12/17/2020	0.4"-1.0" - 14 Hours *Mixed precipitation occurred on 12/16/2020	5				5			4 on 12/18/2020 1 on 12/19/2020	Five items were identified requiring repair/maintenance and completed within the required timeframe.
12/18/2020		1				1			1 on 12/19/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.
12/19/2020		1				1			1 on 12/19/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.
12/21/2020		4				4			3 on 12/21/2020 1 on 12/22/2020	Four items were identified requiring repair/maintenance and completed within the required timeframe.
12/23/2020		1				1			1 on 12/23/2020	One item was identified requiring repair/maintenance and 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
12/15/2020		2				2			2 on 12/15/2020	Two items were identified requiring repair/maintenance and completed within the required timeframe.
12/18/2020		4				4		2 on 12/19/2020	2 on 12/19/2020	Four items were identified requiring repair/maintenance and completed within the required timeframe.
LANDOWNER/THIRD PARTY 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				
12/15/2020	The Environmental Auditor conducted site evaluations at the following locations: MVP-RO-288 (CIS/GAS) and MVP-RO-287 (CIS).					The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations. The Environmental Auditor communicated with the MVP Environmental team regarding observations and recommendations where ESC measures required maintenance/repair.				
12/18/2020	The Environmental Auditor conducted site evaluations at Webster Corner Road (CIS/GAS).					The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations. The Environmental Auditor communicated with the MVP Environmental team regarding observations and recommendations where ESC measures required maintenance/repair and enhancements be installed.				
12/19/2020	The Environmental Auditor conducted site evaluations at the following locations: MVP-RO-288 (CIS/GAS), MVP-RO-287 (CIS) and MVP-RO-281.					The Environmental Auditor observed areas where ESC measures were installed and functional at the time of the evaluations. The Environmental Auditor communicated with the MVP Environmental team regarding observations and recommendations where ESC measures required maintenance/repair.				
12/14/2020 through 12/27/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPP Inspection Reports to be compliant during this reporting period for the Spread H Project.					The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring throughout the Spread H Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread H 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: 12/31/2020

Report Prepared By: Joe Crea

SUMMARY OF FINDINGS

Total Number of SWPPP Inspections: 11 conducted from 12/28/2020 through 12/31/2020 (includes PY-006)

Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations from 12/28/2020 through 12/31/2020 (includes Carry Over Items from 12/27/2020): 9

Total Number of ODCP Inspections at Laydown Yard PY-006 : 4 (12/28/2020 through 12/31/2020)

Total Number of VA DEQ Observations from 12/28/2020 through 12/31/2020: 1

Total Number of Landowner/Third Party Reported 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 Environmental Resource 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 12/28/2020 through 12/31/2020.

CARRY OVER ITEMS FROM 12/27/2020

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
11/12/2020	2.4"-4.0" - 22 Hours *Remnants of Hurricane Eta continuing from 11/11/2020	1				1	1 on 11/12, 11/18, 11/25, 12/9/, 12/17, 12/23 and 12/30/2020 to be completed on 1/7/2020			Engineering design being prepared for slide impact area. Long term extension approval has been granted.

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
12/28/2020		5				5			5 on 12/28/2020	Five items were identified requiring repair/maintenance and completed within the required timeframe.
12/29/2020		3				3			3 on 12/29/2020	Three items were identified requiring repair/maintenance and 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
12/28/2020		1				1			1 on 12/28/2020	One item was identified requiring repair/maintenance and completed within the required timeframe.

LANDOWNER/THIRD PARTY 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
12/28/2020 through 12/31/2020	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODC reports and SWPPP Inspection Reports to be compliant during this reporting period for the Spread H Project.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring throughout the Spread H Project. Based on the SWPPP, MVP Punchlist findings and communication with the Lead Environmental Inspector, the Spread H 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	