



# Mountain Valley Pipeline Project – Spread H

## Environmental Auditor Quarterly Report for Q4 2021

### January 15, 2022

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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 staff of Environmental Inspectors (EIs). The LEI/EIs obtained the Virginia DEQ (VADEQ) ESC/SWM Inspector Certifications. In addition to these Certifications, the LEI also obtained the VADEQ Program Administrator Certification. The MVP Environmental inspection staff 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 VADEQ 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 VADEQ.

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

- Montgomery, Roanoke and Franklin Counties
  - 12005+00-12544+06
  - 12600+00-13141+65
  - 13141+65-13422+00
  - PY-006
  - LY-049

Inspections did not occur from October 1, 2021 through December 31, 2021, between approximate stations 12544+06-12600+70 as earth disturbance activities have not commenced within these locations.

Forward construction progress was completed and temporary stabilization measures installed during the Q4 reporting period at the following locations:

- 12215+50-12234+50; 12281+00-12291+70
- 12464+45-12505+00; 12600+70-12638+00
- 12691+05-12704+00; 12715+80-12729+00
- 12744+00-12763+27; 12763+27-12776+82
- 12870+00-12937+00; 13122+00-13145+90
- 13198+60-13210+00

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

- 12009+00-12011+63; 12113+00-12115+00
- 12145+50-12147+50; 12147+50-12152+00
- 12212+00-12216+00; 12235+00-12281+00
- 12691+05-12697+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 October 1, 2021 through December 31, 2021 (end of reporting period for Q4 2021):

- MVP Daily Punch Lists (includes VADEQ 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;
- Off Right of Way Sediment Impact Tracker Spreadsheet;
- Agency Compliance Forms (Problem Areas Reports);
- Third party complaint submitted to the FERC on October 28, 2021;
- VADEQ Pollution Investigation Report #301395 dated November 1, 2021;
- Third party complaint submitted to the USACE and filed by FERC (20211129-5073) on November 29, 2021; and
- Third party complaint submitted to the FERC on December 16, 2021

The Environmental Auditor also relied on assistance and information from the MVP staff, MVP Chief Environmental Inspector, MVP Spread H Environmental inspection staff, contractor (Environmental and Construction staff), Geotechnical staff, Survey staff, and the Tetra Tech Civil Engineering and Construction Management Departments.

The following sections III. through VI. provide an overall summary from October 1, 2021 through December 31, 2021 (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 a total of 117 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 two items identified by the EIs as ESC measures damaged due to impacts caused by third party activities related to wildlife traffic and powerline company maintenance. The ESC measures were subsequently repaired/maintained within the required timeframe and no resources were impacted.

During the Q4 reporting period, the Spread H Environmental inspection staff identified two off right of way impacts in upland areas on 10/6/2021. The off right of way impacts were caused by a high intensity/short duration event that occurred late 10/5/2021. At one location sediment controls were overwhelmed and the sediment traveled approximately 6 feet off right of way within an upland area. The ESC measures were repaired/maintained and enhanced, landowner access granted, off right of way sediment clean up and stabilization occurred within the required timeframe. No environmental resources were impacted. At the second location access road gravel overwhelmed the sediment controls and traveled approximately 30 feet off right of way into an upland area. The ESC measures were repaired/maintained and enhanced, landowner access granted, off right of way gravel clean up and stabilization occurred within the required timeframe. No environmental resources were impacted. Agency Compliance Forms (Problem Area Reports #696 and #697) were submitted by the Spread H LEI on 10/6/2021 and 10/7/2021. **Refer to rainfall discussion/Table H-1B and Section VI. below for further discussion.**

Based on site evaluations and recommendations provided by the Environmental Auditor, the Spread H Environmental inspection staff communicated/coordinated with the contractor to conduct detailed environmental repair/maintenance and enhancement activities on a steep slope area at MVP-FR-291. The following measures occurred as part of these activities: slope regrading, waterbar enhancements which included geotextile fabric installed within the flow paths and up the face of the waterbar, super silt fence (SSF) installed between each waterbar, and a combination of soil stabilization blanket (SSB) and soil stabilization matting (SSM) were installed which included specialized anchor pins (where conditions were applicable). **Refer to Section VI. below for further discussion.**

During the Q4 reporting period all items provided on the punchlist were communicated to the contractor environmental staff and addressed within the VADEQ approved timeframe (24 hours/Three Days or as extended by VADEQ authorization). **Refer to Sections IV., V., 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**

<b>Spread H Environmental Inspector Observations: October 1, 2021 – December 31, 2021</b>					
<b>Monthly Observation</b>	<b>Total Number Observations</b>	<b>Environmental Resource Impact</b>	<b>Off Right of Way Impact</b>	<b>Right of Way Impacts Caused by Third Parties</b>	<b>Weather Related Damage</b>
October 2021	*79	0	2	1	0
November 2021	*27	0	0	0	0
December 2021	*11	0	0	1	0

\* Includes Carry Over Items

The EIs conducted a total of 190 SWPPP inspections and provided respective VSIRs throughout the Q4 reporting period. Upon review of the SWPPP VSIRs, it appears that the EIs' observations were documented within the Daily Punchlists, communicated to the contractor and noted issues were maintained/repared within the same day or within the VADEQ approved timeframe (24 Hours/Three Days or as extended by VADEQ authorization). **Refer to Section VI. for further discussion.**

The MVP ODCP inspectors conducted weekly site inspections at Laydown Yard PY-006 from October 1, 2021 through December 31, 2021. Twenty-seven inspections were conducted in October, twenty inspections were conducted in November and twenty-three inspections were conducted in December. Two minor spills were observed by the ODCP inspector near the contractor mechanics tent on 10/7/2021. The LEI was immediately notified and the spill was cleaned up and documented in the 10/8/2021 ODCP report. A small spill was observed near a primary containment structure on 12/17/2021. The ODCP inspector notified onsite employees and the spill was immediately cleaned up and documented in the ODCP Inspection Report and Photo Log. The ODCP inspector observed a used container leaking and contained within secondary containment on 12/29/2021. The Spread H Environmental inspection staff and contractor were immediately notified and initiated clean-up efforts. The leak and clean up was observed to be address and documented within the 12/30/2021 ODCP report. All spill material was contained with the secondary containment structure. No environmental resources were impacted.

An approximate total of 18 recordable precipitation events occurred during the Q4 reporting period. A rainfall event with intervals of high intensity/short duration rainfall occurred overnight on 10/5/2021. The event, coupled with precipitation that occurred the previous two days, caused ESC measures to become overwhelmed resulting in off right of way impacts which was observed by the EIs on 10/6/2021. The rainfall event with intervals of high intensity/short duration storm events occurred overnight on 10/5/2021 producing approximately 1.4 inches in 1.5 hours at one location and approximately 0.7 inches in one hour with additional precipitation that occurred overnight for a 24 hour total of 1.4 inches at the second location. No environmental resources were impacted. **Refer to the discussion above for detailed information pertaining to the corrective action measures and Agency Compliance Forms submitted for the off right of way impacts. Refer to Table H-1B and Section VI. for further discussion.**

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, 2021 – December 31, 2021					
October			November		December
Date Recorded	Rainfall and Approximate Duration	Date Recorded	Rainfall and Approximate Duration	Date Recorded	Rainfall and Approximate Duration
10/4/2021	0.2"-0.6" – 4 Hours *Rainfall occurred on 10/3/2021	11/3/2021	0.1"-0.3" – 8 Hours *Rainfall occurred on 11/2/2021	12/13/2021	0.1"-0.3" – 9.5 Hours *Scattered showers occurred on 12/10/2021 and 12/11/2021
10/5/2021	0.0"-1.4" – 5 Hours *Rainfall occurred late on 10/4/2021	11/12/2021	0.5"-1.2" – 3 Hours	12/20/2021	0.1"-0.2" – 13 Hours *Scattered showers occurred on 12/17/2021 and 12/18/2021
10/6/2021	0.1"-1.4" – 4.5 Hours *Rainfall occurred on 10/5/2021			12/30/2021	0.2"-0.4" – 22 Hours *Intermittent showers occurred from 12/29/2021 into 12/30/2021
10/7/2021	0.1"-0.5" – 5 Hours *Scattered showers occurred on 10/6/2021 and 10/7/2021				
10/8/2021	0.1"-0.2" – 1.5 Hours				
10/9/2021	0.0"-0.6" – 6 Hours				
10/11/2021	0.0"-0.1" – 1.5 Hours *Rainfall occurred late 10/9/2021				
10/12/2021	0.0"-0.1" – 1 Hour				
10/16/2021	0.0"-0.1" – 4 Hours				
10/22/2021	0.0"-0.3" – 10 Hours *Scattered showers began late 10/21/2021				

Spread H Rainfall and Duration Rates: October 1, 2021 – December 31, 2021					
October			November		December
Date Recorded	Rainfall and Approximate Duration	Date Recorded	Rainfall and Approximate Duration	Date Recorded	Rainfall and Approximate Duration
10/26/2021	0.3"-0.5" – 3.5 Hours *Rainfall occurred late 10/25/2021				
10/29/2021	0.5"-3.0" – 14 Hours *Rainfall occurred from 10/28/2021 into 10/29/2021				
10/30/2021	0.1"-0.3" – 4 Hours				

#### **IV. Quarterly Summary of VADEQ Observations**

Per Table H-1C, the VADEQ Inspectors observed a total of 29 items (includes Carry Over and redundant items) requiring repair/maintenance throughout the Q4 reporting period. All items provided on the punchlist for the reporting period were communicated to the contractor staff and addressed within the VADEQ approved timeframe (24 hours/Three Days or as extended by VADEQ authorization). It should be noted that one VADEQ observation was redundant (after the fact) with the same observation previously noted by the Environmental Inspector. **Refer to Table H-1C and the respective Bi-Weekly Reports for further detailed information.**

During the Q4 reporting period the ESC measures identified on the punchlist by the VADEQ were communicated by the Spread H Environmental staff to the contractor staff and addressed within the required timeframes including extension requests approved by the VADEQ. The VADEQ accompanied by the Spread H Environmental Inspector and Environmental Auditor conducted a follow up inspection based on landowner/third party complaints at an Additional Temporary Work Space (ATWS) at Bottom Creek Road and observed no project related impacts to environmental resources. The ESC measures were observed to be installed and functional and no pollution events were observed.

**Refer to Section V., and Section VI. for additional information.**

During the Q4 reporting period, the VADEQ did not identify off right of way or environmental resource impacts throughout the Spread H project area.

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 VADEQ Inspectors throughout the Q4 reporting period:

**Table H-1C**

Spread H VADEQ Observations: October 1, 2021 – December 31, 2021					
Monthly Observation	Total Number Observations	Environmental Resource Impact	Off Right of Way Impact	Right of Way Impacts Caused by Third Parties	Weather Related Damage
October 2021	**19	0	0	0	0
November 2021	*8	0	0	0	0
December 2021	2	0	0	0	0

\*Includes Carry Over Items

\*\*Includes redundant items initially identified by the EI.

## V. Quarterly Summary of Landowner/Third Party Issues

- A third party landowner complaint was filed with the Federal Energy Regulatory Commission (FERC) on 10/28/2021. The complaint is based on a letter sent to the US Army Corps of Engineers (ACOE) on May 27, 2021 titled "Request to deny 404 Clean Water permit for MVP". This complaint is repetitive from previous complaints submitted on 11/11/2020, 11/12/2020, 11/13/2020, 11/24/2020, and 12/3/2020. **1. Spring Box area:** The complainant cites that the "drainage to dewater the LOD above the spring box was planned to run uphill". The complainant cites a redlined waterbar in cut system with a sediment sump installed as "swimming pools" with a "pit often full of ground water" that threatens the spring box via "contamination and by displacing ground water recharge and supply". 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. The final engineered sediment sump is designed as a sediment control and does not receive contaminated runoff. The sediment sump has not been observed by the EIs or Environmental Auditor to hold ground water and is properly installed and functional. The contributing drainage area is temporarily stabilized. No impacts have been observed at the Spring Box area as well as the nearby environmental resources. **2. State waters of Mill Creek and wetlands:** The complainant cites off right of way sediment impacts to Mill Creek occurred on November 11, 2020 and November 12, 2020. A prolonged storm event (remnants of Hurricane Eta) with intervals of high intensity/short duration runoff occurred. The EIs/Environmental Auditor conducted during and post rainfall event inspections/evaluations. Corrective action measures (ESC repair/maintenance) were addressed and no off right of way or environmental resource impacts occurred. The EIs and Environmental Auditor continue to inspect and monitor the right of way. Erosion and sediment control measures are maintained as needed and the right of way is currently temporarily stabilized. **3. Timber mat crossing over Green Hollow:** The complainant cites "excessive gravel placement has altered the flow of water in these wetlands". Access road maintenance consists of placing gravel as a topdressing to minimize rutting and potential erosion from vehicular/equipment traffic. The gravel replenishment occurs only on the access road which has prevented off right of way upland and environmental resource impacts. The complainant cites the timber mat stream crossing "is clogged with sediment" and that the "clog is due to sediment which has traveled by way of the Mill Creek watershed from construction of the pipeline". The Spread H Environmental inspection staff conducts routine monitoring that includes VSIR monitoring/reporting every four business days. No upland or environmental resource off right of way impacts within the MVP-RO-287 area have occurred during and following construction activities. The Environmental Auditor conducts site evaluations and communicates with the Spread H Environmental inspection staff, contractor staff and the MVP Environmental staff and provides recommendations as needed to conduct ESC measures repair/maintenance and evaluation activities. It should be noted that major storm events occurred throughout the Roanoke Valley since 2018 causing major flooding and no project related impacts to environmental resources have occurred at MVP-RO-287.
- A third party landowner complaint was filed with the VADEQ on 11/1/2021 (Pollution Investigation Report\_IR#301395). The complainant alleged that a "pollution event" occurred due to "dumping excess water into an MVP parking lot beside wetlands". The Spread H Environmental inspection staff conducted an inspection on 11/1/2021 and did not observe any spilled substances in the location noted by the complainant.

- A third party complaint, which addresses a redundant allegation from a landowner complaint filed with the VADEQ on 11/01/2021 (Pollution Investigation Report\_IR#301395) was submitted to the USACE and filed by the FERC on 11/29/2021 (#20211129-5073). The complainant alleged that fill material and "a truck dumping water" were deliberately dumped into a wetland. Based on previous inspections conducted by the Spread H Environmental inspection staff and the Environmental Auditor with the most recent conducted on 11/30/2021 (included VADEQ Inspectors), all work/activities occurred within ATWS location where no environmental resources exist and have not been impacted. Communication occurred between the Spread H Environmental inspection staff, MVP Environmental staff (includes Chief EI) and the contractor regarding street sweeper maintenance activities not being conducted within the ATWS areas. It should be noted that water released from the truck was from the equipment's clean water reservoir.
- A third party complaint report titled "Documenting the Damage" dated December 13, 2021 was submitted by Wild Virginia to the FERC on 12/16/2021. The complainant alleges that "MVP has violated rules imposed by the Board's water quality certification for upland activities" and discusses the following within the report: "State Inspection Reports", "Sediment Releases Off MVP Rights of Way", "Serious and Repeated Offenses", "Plans Aren't Implemented as Required", and "Deadline Missed". MVP is currently reviewing the complaint and developing a response, which will be reviewed by the Environmental Auditor.

#### **VI. Quarterly Summary of Environmental Auditor Observations and Recommendations**

Per Table H-1D, the Environmental Auditor conducted 53 site evaluations during the Q4 reporting period and observed locations where ESC measures required proper installation, repair/maintenance or additional (enhanced) ESC measures be installed as necessary to minimize erosion and sediment impacts. The Environmental Auditor evaluated the two locations where off right of way impacts occurred within upland areas. At the time of the evaluations the Environmental Auditor communicated with the Spread H Environmental inspection and Contractor staff and provided recommendations to install enhancements to minimize future 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 Environmental inspection staff, contractor staff and MVP Environmental staff (includes the Chief EI). During specific field evaluations, repair/maintenance recommendations were communicated by the Environmental Auditor to the Spread H LEI and items were subsequently addressed. Recommendations provided by the Environmental Auditor to install enhanced ESC measures pertained to runoff control, erosion control (includes temporary and permanent stabilization measures), and sediment control Best Management Practices (BMPS). Based on observations from the previous Q3 reporting period, the Environmental Auditor conducted continued monitoring on a steep slope at MVP-FR-291. The Environmental Auditor communicated with the Spread H Environmental staff, Chief EI, MVP Environmental inspection staff and the contractor regarding recommendations to conduct repair/maintenance and ESC enhancements on the steep slope. The recommendations included the following: slope regrading, proper waterbar construction, enhancements which included geotextile fabric installed within the waterbar flow paths and along the face of the waterbar, super silt fence (SSF) installed between each waterbar, and a combination of soil stabilization blanket (SSB) and soil stabilization matting (SSM) to be installed which included specialized anchor pins (where soil conditions were applicable). The Spread H Environmental inspection staff, contractor Environmental staff, Chief EI, and Environmental Auditor continue to monitor locations throughout the right of way and communicate/coordinate to implement enhanced ESC measures as necessary.

The Environmental Auditor conducted site evaluations in response to the October 28, 2021 and November 1, 2021 third party complaints. At the time of the evaluations, the Environmental Auditor observed the following: ESC measures installed and functional, the project area stabilized, no pollution events, and no project related impacts to environmental resources.

The Environmental Auditor continues to communicate with the Spread H Environmental inspection staff, MVP Environmental staff (including the Chief EI), and contractor staff on a continued basis. Discussions entail project feedback and recommendations/guidance to maintain compliance. This includes guidance and recommendations related to maintaining consistency between the VSIRs and Daily Punchlists.

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**

<b>Environmental Auditor Field Observations: October 1, 2021 – December 31, 2021</b>	
<b>Month</b>	<b>Total Observations</b>
October 2021	22
November 2021	20
December 2021	11

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

Per Section IV. (b) (1) of the Consent Decree, the Environmental Auditor conducted site evaluations, evaluated Daily Punchlists, VSIR/SWPPP reports, communicated with the Spread H Environmental inspection staff, Chief EI, and the MVP Environmental staff, and has concluded the following for the Spread H Project:

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

Based on the aforementioned observations, the resources available and deployed in the field, including 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. The Environmental Auditor recommends continued communication between the MVP Environmental inspection staff and the contractor to ensure all ESC measures are installed and functional and consistency is maintained between VSIRs and Daily Punchlist documents to ensure compliance will be maintained with the approved Annual Standards and Specifications.

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 2021 Reports in which sediment has left the ROW but MVP's requests for landowner permission to take corrective measures have been denied.



MOUNTAIN VALLEY PIPELINE

SPREAD H

ENVIRONMENTAL AUDITOR BI-WEEKLY REPORT - 9/20/2021 through 10/3/2021

ENVIRONMENTAL AUDITOR CONTACT INFORMATION

Joe Crea CPESC, CPSWQ

Tetra Tech

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Report Period Ending: 10/3/2021 (This Bi-Weekly Report split the end of the Q3 reporting period on 9/30/2021 and beginning of the Q4 Quarterly reporting period on 10/1/2021)

Report Prepared By: Joe Crea

SUMMARY OF FINDINGS

Total Number of SWPPP Inspections: 27 conducted from 9/20/2021 through 10/3/2021 (includes PY-006)

Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations from 9/20/2021 through 10/3/2021 (includes Carry Over Items from 9/19/2021): 61

Total Number of ODCP Inspections at Laydown Yard PY-006: 6 (9/20/2021-9/25/2021); 8 (9/26/2021 through 10/3/2021)

Total Number of VADEQ Observations from 9/20/2021 through 10/3/2021: 4

Total Number of Landowner/Third Party Reported Complaints: 2 (1. A third party complaint (Mountain Valley Watch) was submitted to the VADEQ on behalf of a landowner. The undated report which was received by MVP on 9/21/2021 alleges "continuing problems" related to "Stormwater runoff from the right of way". The complainant's narratives affiliated with the photo log provide incorrect information regarding the right of way topography, drainage and functionality of the installed ESC measures. The off right of way property to the north (not fully shown with the complainant report) is currently in grassed conditions and void of forested conditions which appear to be a result of previous logging activities. This location drains directly to the west into the landowner's existing disturbed road which runs parallel to the right of way. This existing access road appears to have been graded in a cut condition and remains in a disturbed condition per previous site evaluations. The project right of way is currently stabilized with soil stabilization blanket (SSB)/vegetation, temporary waterbars, and permanent waterbars/end treatments. The Environmental Auditor observed no off right impacts from the right of way at the time of the evaluation. 2. A landowner complaint was submitted to the VADEQ on 9/23/2021 (IR #301005). The complainant alleged that erosion and sediment was leaving the MVP right of way on her property. The Spread H EI and the VADEQ conducted an inspection on 9/24/2021 and did not observe any off right of way impacts. Another inspection was conducted on 9/28/2021 by representatives from the ACOE and DEQ and no resources appeared to be impacted during the inspection. The ESC measures were observed to be installed and functional at the time of the inspection).

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

Total Number of Right of Way Impacts Caused by Weather Related Damage (damaged ESC measures from fallen debris): 0

Total Number of Off Right of Way Impacts: 3 (Three off right of way impacts were observed (noted on punchlist under 1 item due to these areas discharging into the same off right of way flow path) on 9/22/2021 as a result of a prolonged storm event with periods of high intensity/short duration rainfall. This storm event produced approximately 4.9 inches in 23 hours. Temporary ESC measures were initially installed followed by grading activities and re-installation of the ESC measures. Landowner permission was granted, sediment removal and stabilization occurred. Multiple extension requests have been approved by the VADEQ due to wet conditions.) Refer to Environmental Inspector Observations and Environmental Auditor Field Observations and Recommendations below for further discussion.

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 9/20/2021 through 10/3/2021.

CARRY OVER ITEMS FROM 9/19/2021

DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY WEATHER RELATED DAMAGE	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, 12/30/2020, 1/6/, 1/13, 1/20, 1/27, 2/3/, 2/10, 2/17, 2/24, 3/10, 3/17, 3/23, 3/31, 4/7, 4/13, 4/21, 4/28, 5/5, 5/12, 5/19, 6/2, 6/9 and 6/16, 7/15, 8/16, and 9/16/2021 to be completed on 10/17/2021			Engineering design being prepared for slide impact area and awaiting landowner permission. A long term extension approval has been granted.
8/16/2021	0.6"-4.2" - 9 Hours Heavy storm events with high intensity/short duration rainfall occurred late 8/15/2021	1		1				1 on 8/17/2021 (Off right of way impact extended indefinitely until landowner permission is granted)			One item is awaiting landowner permission for off right of way access. The ESC measures were repaired/maintained and enhanced. No resources were impacted.
8/18/2021	0.5"-1.6" - 4 Hours *Isolated high intensity/short duration storm events (remnants of Tropical Storm Fred) occurred late on 8/17/2021	1		1				1 on 8/19/2021 (Off right of way impact extended indefinitely until landowner permission is granted)			One item is awaiting landowner permission for off right of way access. The ESC measures were repaired/maintained and enhanced. No resources were impacted.
8/20/2021	0.1"-1.9" - 2 Hours *Isolated high intensity/short duration storm events occurred late on 8/19/2021	11	2	9				11 on 8/21/2021 (9 off right of way and 2 resource impacts extended indefinitely until landowner permission is granted)	1 on 9/21/2021 (S-IJ12/W-MN7 Ext. Request)		Eleven items are awaiting landowner permission for off right of way access and one of those items has been completed within the required timeframe per a VADEQ approved indefinite extension request. The identified item (S-IJ12/W-MN7) was evaluated by the VADEQ on 9/21/2021 and determined that no impacts were visible at the time of the inspection. <b>Ten items remain under indefinite extensions awaiting landowner permission.</b>

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 WEATHER RELATED DAMAGE	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
9/20/2021	0.0" - 0.6" - 3 Hours *Rainfall occurred on 9/19/2021	4					4		1 on 9/20/2021	3 on 9/21/2021	Four items were identified requiring repair/maintenance and completed within the required timeframe.
9/22/2021	2.3"-4.9" - 23 Hours *Prolonged storm event with intervals of high intensity/short duration rainfall began on 9/21/2021	22		*1 (*3 impacted locations noted as one due to above slope failure impacting one general area)			21	1 on 9/23, 9/25, 9/26, 9/27, 9/28, and 9/29/2021 to be completed on 9/30/2021 1 on 9/23, 9/25, 9/26, 9/27, 9/28, 9/29, and 9/30/2021 to be completed on 10/1/2021 1 on 9/23, 9/24, 9/25, 9/26, 9/27, 9/28, 9/29, 9/30, and 10/1/2021 to be completed on 10/2/2021 1 on 9/23, 9/24, 9/25, 9/26, 9/27, 9/28, 9/29, 9/30, 10/1, and 10/2/2021 to be completed on 10/3/2021 (Off right of way impact) 8 on 9/25/2021 to be completed on 9/28/2021	3 on 9/22/2021 1 on 9/30/2021 1 on 10/1//2021 1 on 10/2/2021 1 on 10/3/2021 (*Off right of way impacts)	7 on 9/23/2021 7 on 9/27/2021 1 on 9/28/2021	Twenty-two items were identified requiring repair/maintenance and completed within the required timeframe. One of the identified items was an off right of way sediment impact approximately 1,500 feet off right of way within an upland area. Two adjacent locations due to an upslope failure were also overwhelmed resulting in additional off right of way impacts to the same 1,500 feet item. Temporary ESC measures were initially installed followed by grading activities and re-installation of the ESC measures. Landowner permission was granted, sediment removal and stabilization occurred. Multiple extension requests have been approved by the VADEQ due to wet conditions.
9/23/2021	0.3"-2.1" - 13 Hours *Rainfall event from 9/21/2021 occurred on 9/22/2021	11					11	1 on 9/23, 9/25, 9/26, and 9/27/2021 to be completed on 9/29/2021 2 on 9/26/2021 to be completed on 9/29/2021 1 on 9/26 and 9/29/2021 to be completed on 10/2/2021	1 on 9/28/2021	4 on 9/23/2021 2 on 9/24/2021 1 on 9/25/2021 2 on 9/27/2021 1 on 10/2/2021	Eleven items were identified requiring repair/maintenance and completed within the required timeframe via extension request approvals.
9/24/2021		2 (Env. Auditor)					2			1 on 9/25/2021 1 on 9/26/2021	Two items were identified requiring repair/maintenance and completed within the required timeframe.
9/27/2021		7					7			5 on 9/28/2021 2 on 9/29/2021	Seven items were identified requiring repair/maintenance and completed within the required timeframe.
9/29/2021		1					1			1 on 9/30/2021	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 WEATHER RELATED DAMAGE	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
9/21/2021		1					1			1 on 9/23/2021	One item was identified requiring repair/maintenance and completed within the required timeframe.
9/28/2021		1					1	1 on 10/1/2021 to be completed on 10/4/2021		1 on 10/3/2021	One item was identified requiring repair/maintenance and completed within the required timeframe.
9/29/2021		2					2			2 on 9/29/2021	Two 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
9/21/2021 (Photo Log depicts 9/2/2021)	Webster Corner Road (GAS)	1	A third party complaint (Mountain Valley Watch) was submitted to the VADEQ on behalf of a landowner. The undated report which was received by MVP on 9/21/2021 alleges "continuing problems" related to "Stormwater runoff from the right of way". The complainant's narratives affiliated with the photo log provide incorrect information regarding the right of way topography, drainage and functionality of the installed ESC measures. The off right of way property to the north (not fully shown with the complainant report) is currently in grassed conditions and void of forested conditions which appear to be a result of previous logging activities. This location drains directly to the west into the landowner's existing disturbed road which runs parallel to the right of way. This existing access road appears to have been graded in a cut condition and remains in a disturbed condition per previous site evaluations. The project right of way is currently stabilized with soil stabilization blanket (SSB)/vegetation, temporary waterbars, and permanent waterbars/end treatments. The Environmental Auditor observed no off right impacts from the right of way at the time of the evaluation.
9/22/2021	Bottom Creek Road (GAS)	1	A landowner complaint was submitted to the VADEQ on 9/23/2021 (IR #301005). The complainant alleged that erosion and sediment was leaving the MVP right of way on her property. The Spread H EI and the VADEQ conducted an inspection on 9/24/2021 and did not observe any off right of way impacts. Another inspection was conducted on 9/28/2021 by representatives from the ACOE and DEQ and no resources appeared to be impacted during the inspection. The ESC measures were observed to be installed and functional at the time of the inspection.
ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS			
DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS	
9/20/2021	The Environmental Auditor conducted site evaluations at MVP-RO-287 (CIS/GAS) and Bottom Creek Road (GAS).	The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H EI and EI regarding recommendations related to repair/maintenance and installing enhanced ESC measures.	
9/21/2021	The Environmental Auditor conducted site evaluations at MVP-FR-292 (CIS) and MVP-RO-282.	The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H EI and the MVP Environmental staff regarding continued recommendations related to proper soil stabilization blanket installation.	
9/22/2021	The Environmental Auditor conducted site evaluations at the following locations: MVP-RO-286 (GAS), MVP-RO-281 (CIS) and MVP-FR-291 to MVP-FR-292.	The Environmental Auditor conducted a post rainfall event evaluation and observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor observed ESC measures overwhelmed and damaged due to a rainfall event producing approximately 4.9 inches in 23 hours with intervals of high intensity/ short duration storm events. The Environmental Auditor communicated with the Spread H EI and the MVP Environmental staff regarding recommendations for waterbar installation protocol and installing enhanced ESC measures with an emphasis placed on completing the pipeline installation and final restoration.	
9/24/2021	The Environmental Auditor conducted site evaluations at Webster Corner Road (GAS) and MVP-RO-282 (CIS).	The Environmental Auditor observed locations where ESC and PCSM measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H EI and EI regarding recommendations related to repair/maintenance and installing enhanced ESC measures.	
9/27/2021	The Environmental Auditor conducted site evaluations at Yellow Finch Lane/MVP-MN-278.01 (CIS) and MVP-RO-282 (GAS).	The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H EI regarding continued recommendations related to ESC measure repair/maintenance.	
9/28/2021	The Environmental Auditor conducted a site evaluation at MVP-MN-276.03 (CIS).	The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation.	
9/29/2021	The Environmental Auditor conducted a site evaluation at MVP-FR-291 (GAS).	The Environmental Auditor observed continued ESC measures repairs on the steep slope following the high intensity/short duration storm event that occurred on 9/22/2021.	
9/20/2021 through 10/3/2021	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODCP Inspection 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 and installing enhanced ESC measures as needed. 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 - 10/4/2021 through 10/17/2021

ENVIRONMENTAL AUDITOR CONTACT INFORMATION

Joe Crea CPESC, CPSWQ

Tetra Tech

661 Andersen Drive, Suite 200, Pittsburgh PA 15220

Report Period Ending: 10/17/2021

Report Prepared By: Joe Crea

SUMMARY OF FINDINGS

Total Number of SWPPP Inspections: 29 conducted from 10/4/2021 through 10/17/2021 (includes PY-006)

Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations from 10/4/2021 through 10/17/2021 (includes Carry Over Items from 10/3/2021): 31 (Two of the identified items on 10/12/2021 were recommendations related to enhancements promulgated by the Environmental Auditor)

Total Number of ODCP Inspections at Laydown Yard PY-006: 6 (10/4/2021-10/9/2021); 6 (10/11/2021 through 10/16/2021): Two minor spills were observed by the ODCP inspector near the contractor mechanics tent on 10/7/2021. The LEI was immediately notified and the spill was cleaned up and documented in the 10/8/2021 ODCP report.

Total Number of VA DEQ Observations from 10/4/2021 through 10/17/2021: 2 (\*One item identified on 10/13/2021 was redundant as it was initially observed and reported by the EI)

Total Number of Landowner/Third Party Reported Complaints: 0

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

Total Number of Right of Way Impacts Caused by Weather Related Damage (damaged ESC measures from fallen debris): 0

Total Number of Off Right of Way Impacts: 2 (Two off right of way impacts were observed on 10/6/2021 as a result of a high intensity/short duration rainfall event that occurred overnight on 10/5/2021. This event produced approximately 1.4 inches in 1.5 hours and 0.7" in one hour with additional precipitation that occurred overnight for a 24 hour total of 1.4 inches . The ESC measures were repaired/maintained and enhanced, landowner access granted, clean up and stabilization occurred within the required timeframe. No environmental resources were impacted. Refer to Environmental Inspector Observations and Environmental Auditor Field Observations and Recommendations below for further discussion.

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 10/4/2021 through 10/17/2021.

CARRY OVER ITEMS FROM 10/3/2021

DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY WEATHER RELATED DAMAGE	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, 12/30/2020, 1/6/, 1/13, 1/20, 1/27, 2/3/, 2/10, 2/17, 2/24, 3/10, 3/17, 3/23, 3/31, 4/7, 4/13, 4/21, 4/28, 5/5, 5/12, 5/19, 6/2, 6/9 and 6/16, 7/15, 8/16, and 9/16/2021 to be completed on 10/17/2021			Engineering design being prepared for slide impact area and awaiting landowner permission. A long term extension approval has been granted.
8/16/2021	0.6"-4.2" - 9 Hours Heavy storm events with high intensity/short duration rainfall occurred late 8/15/2021	1		1				1 on 8/17/2021 (Off right of way impact extended indefinitely until landowner permission is granted)			One item is awaiting landowner permission for off right of way access. The ESC measures were repaired/maintained and enhanced. No resources were impacted.
8/18/2021	0.5"-1.6" - 4 Hours *Isolated high intensity/short duration storm events (remnants of Tropical Storm Fred) occurred late on 8/17/2021	1		1				1 on 8/19/2021 (Off right of way impact extended indefinitely until landowner permission is granted)			One item is awaiting landowner permission for off right of way access. The ESC measures were repaired/maintained and enhanced. No resources were impacted.
8/20/2021	0.1"-1.9" - 2 Hours *Isolated high intensity/short duration storm events occurred late on 8/19/2021	10	1	9				10 on 8/21/2021 (9 off right of way and 1 resource impacts extended indefinitely until landowner permission is granted)			Ten items are awaiting landowner permission for off right of way access.

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 WEATHER RELATED DAMAGE	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
10/6/2021	0.0" - 1.4" - 4.5 Hours *Rainfall occurred on 10/5/2021	10		2			8		3 on 10/6/2021 2 on 10/7/2021	1 on 10/6/2021 4 on 10/7/2021	Ten items were identified requiring repair/maintenance and completed within the required timeframe. Two of the items were identified as off right of way sediment/access road gravel impacts traveling approximately 6 feet and 30 feet within upland areas, respectively. A high intensity/short duration rainfall event caused sediment controls to become overwhelmed. The ESC measures were repaired/maintained and enhanced per recommendations promulgated by the Environmental Auditor. Landowner access was granted, off right of way sediment/gravel cleanup and stabilization occurred within the required timeframe. Agency Compliance Forms (Problem Area Reports #696 and #697) were drafted and submitted by the Lead EI. No environmental resources were impacted.
10/11/2021	0.0"-0.1" - 1.5 Hours *Rainfall occurred on 10/9/2021	5					5			1 on 10/11/2021 4 on 10/12/2021	Five items were identified requiring repair/maintenance and completed within the required timeframe.
10/12/2021	0.0"-0.1" - 1 Hour *Rainfall occurred on 10/11/2021	*2					2		*	*	*Two items were identified by the Environmental Auditor as recommended enhancements. Therefore, no compliance related time frame has been established. The recommended items were completed on 10/13/2021.
10/13/2021		1					1		1 on 10/13/2021		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 WEATHER RELATED DAMAGE	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
10/4/2021	0.2"-0.6" - 4 Hours *Rainfall occurred on 10/3/2021	1					1			1 on 10/4/2021	One item was identified requiring repair/maintenance and completed within the required timeframe.
10/13/2021		*1 (Redundant item initially observed by the EI)					1		1 on 10/13/2021		*One item was identified requiring repair/maintenance and completed within the required timeframe. This item is a redundant as this observation was initially observed by the EI. Refer to Environmental Inspector Observations.
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				
10/7/2021	The Environmental Auditor conducted site evaluations at the following locations: MVP-RO-281/281.02 (Access Roads), Honeysuckle Road (GAS), and MVP-FR-291 (GAS).						The Environmental Auditor conducted a post rainfall evaluation and observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H EI and EIs regarding recommendations related to repair/maintenance and installing enhanced ESC measures.				
10/8/2021	The Environmental Auditor conducted site evaluations at MVP-RO-281/281.01 (Access Roads) and Bottom Creek Road (GAS).						The Environmental Auditor conducted a post rainfall evaluation and observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H EI and the contractor environmental staff regarding recommendations related to repair/maintenance and installing enhanced ESC measures.				
10/12/2021	The Environmental Auditor conducted site evaluations at the following locations: MVP-RO-279.01 (CIS), MVP-RO-281/281.01 (Access Roads), and MVP-RO-281.02 (CIS/GAS).						The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H EI and the contractor environmental staff regarding recommendations to install enhanced ESC measures.				
10/14/2021	The Environmental Auditor conducted site evaluations at Honeysuckle Road (GAS) and MVP-RO-286 (GAS).						The Environmental Auditor observed locations where ESC and PCSWM measures were installed and functional at the time of the evaluation.				
10/4/2021 through 10/17/2021	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODCP Inspection 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 and installing enhanced ESC measures as needed. 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 - 10/18/2021 through 10/31/2021

ENVIRONMENTAL AUDITOR CONTACT INFORMATION

Joe Crea CPESC, CPSWQ

Tetra Tech

661 Andersen Drive, Suite 200, Pittsburgh PA 15220

Report Period Ending: 10/31/2021

Report Prepared By: Joe Crea

SUMMARY OF FINDINGS

Total Number of SWPPP Inspections: 27 conducted from 10/18/2021 through 10/31/2021 (includes PY-006)

Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations from 10/18/2021 through 10/31/2021 (includes Carry Over Items from 10/17/2021): 35 (Four observations via the Environmental Auditor on 10/26/2021)

Total Number of ODCP Inspections at Laydown Yard PY-006: 6 (10/18/2021-10/23/2021); 6 (10/25/2021 through 10/30/2021)

Total Number of VA DEQ Observations from 10/18/2021 through 10/31/2021: 17

Total Number of Landowner/Third Party Reported Complaints: 1 (A third party landowner complaint was filed with the Federal Energy Regulatory Commission (FERC) on 10/28/2021. The complaint is based on a letter sent to the US Army Corps of Engineers (ACOE) on May 27, 2021 titled "Request to deny 404 Clean Water permit for MVP". Refer to Landowner/Third Party Reported Complaints below for further detailed discussion. Please note that this Bi-Weekly report addresses findings related to ESC/Stormwater related content within the complaint).

Total Number of Right of Way Impacts Caused by Third Parties: 1 (Third party power company maintenance)

Total Number of Right of Way Impacts Caused by Weather Related Damage (damaged ESC measures from fallen debris): 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 10/18/2021 through 10/31/2021.

CARRY OVER ITEMS FROM 10/17/2021

DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY WEATHER RELATED DAMAGE	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, 12/30/2020, 1/6/, 1/13, 1/20, 1/27, 2/3/, 2/10, 2/17, 2/24, 3/10, 3/17, 3/23, 3/31, 4/7, 4/13, 4/21, 4/28, 5/5, 5/12, 5/19, 6/2, 6/9 and 6/16, 7/15, 8/16, 9/16, and 10/16/2021 to be completed on 11/17/2021			Engineering design being prepared for slide impact area and awaiting landowner permission. A long term extension approval has been granted.
8/16/2021	0.6"-4.2" - 9 Hours Heavy storm events with high intensity/short duration rainfall occurred late 8/15/2021	1		1				1 on 8/17/2021 (Off right of way impact extended indefinitely until landowner permission is granted)			One item is awaiting landowner permission for off right of way access. The ESC measures were repaired/maintained and enhanced. No resources were impacted.
8/18/2021	0.5"-1.6" - 4 Hours *Isolated high intensity/short duration storm events (remnants of Tropical Storm Fred) occurred late on 8/17/2021	1		1				1 on 8/19/2021 (Off right of way impact extended indefinitely until landowner permission is granted)			One item is awaiting landowner permission for off right of way access. The ESC measures were repaired/maintained and enhanced. No resources were impacted.
8/20/2021	0.1"-1.9" - 2 Hours *Isolated high intensity/short duration storm events occurred late on 8/19/2021	10	1	9				10 on 8/21/2021 (9 off right of way and 1 environmental resource impacts extended indefinitely until landowner permission is granted)			Ten items are awaiting landowner permission for off right of way access.

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 WEATHER RELATED DAMAGE	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
10/20/2021		3					3			3 on 10/21/2021	Three items were identified requiring repair/maintenance and completed within the required timeframe.
10/22/2021	0.0"-0.3" - 10 Hours *Rainfall began late afternoon 10/21/2021	3				1	2			1 on 10/22/2021 2 on 10/23/2021	Three items were identified requiring repair/maintenance and completed within the required timeframe. One of the identified items was caused by third party impacts related to a powerline company helicopter causing damage to the ESC measures via falling branches.
10/25/2021		1					1			1 on 10/27/2021	One item was identified requiring repair/maintenance and completed within the required timeframe.
10/26/2021	0.3"-0.5" - 3.5 Hours *Rainfall occurred on 10/25/2021	4 (Env. Auditor)					4		4 on 10/27/2021		Four items were identified by the Environmental Auditor requiring repair/maintenance and completed within the required timeframe.
10/28/2021		3					3			2 on 10/28/2021 1 on 10/29/2021	Three items were identified requiring repair/maintenance and completed within the required timeframe.
10/29/2021	0.5"-3.0" - 14 Hours *Prolonged rainfall with intervals of high intensity short duration events began late 10/28/2021 into 10/29/2021	8					8			3 on 10/29/2021 4 on 10/30/2021	Eight items were identified requiring repair/maintenance and 7 were completed within the required timeframe. <b>The remaining item has three days to be completed within the required timeframe.</b>

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 WEATHER RELATED DAMAGE	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
10/19/2021		4					4		1 on 10/19/2021	2 on 10/19/2021 1 on 10/20/2021	Four items were identified requiring repair/maintenance and completed within the required timeframe.
10/20/2021		5					5	2 on 10/23, 10/26, and 10/29/2021 to be completed on 11/1/2021	3 on 10/21/2021		Five items were identified requiring repair/maintenance and three were completed within the required timeframe. <b>The remaining two items have three days to be completed via extension request approvals.</b>
10/25/2021		4					4			4 on 10/27/2021	Four items were identified requiring repair/maintenance and completed within the required timeframe.
10/26/2021	0.3"-0.5" - 3.5 Hours *Rainfall occurred on 10/25/2021	1					1			1 on 10/27/2021	One item was identified requiring repair/maintenance and completed within the required timeframe.
10/28/2021		2					2			2 on 10/28/2021	Two items were identified requiring repair/maintenance and completed within the required timeframe.
10/30/2021	0.1"-0.3" - 4 Hours	1					1				<b>One item was identified requiring repair/maintenance and has three days to be completed within the required timeframe.</b>
LANDOWNER/THIRD PARTY REPORTED COMPLAINTS											
DATE OF OBSERVATION	NEAREST ROAD OR FEATURE						TOTAL NUMBER OBSERVATIONS			SUMMARY OF OBSERVATIONS	
May 27,2021 (Filed by ACOE on 10/28/2021)	MVP-RO-287						<b>Erosion and Sediment Control Related Observations:</b> 1. Spring Box Area 2. State waters of Mill Creek and wetlands 3. Timber mat crossing over Green Hollow			<p>A third party landowner complaint was filed with the Federal Energy Regulatory Commission (FERC) on 10/28/2021. The complaint is based on a letter sent to the US Army Corps of Engineers (ACOE) on May 27, 2021 titled "Request to deny 404 Clean Water permit for MVP". This complaint is repetitive from previous complaints submitted on 11/11/2020, 11/12/2020, 11/13/2020, 11/24/2020, and 12/3/2020. <b>1.</b> Spring Box area: The complainant cites that the "drainage to dewater the LOD above the spring box was planned to run uphill". The complainant cites a redlined waterbar in cut system with a sediment sump installed as "swimming pools" with a "pit often full of ground water" that threatens the spring box via "contamination and by displacing ground water recharge and supply". 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. The final engineered sediment sump is designed as a sediment control and does not receive contaminated runoff. The sediment sump has not been observed by the EIs or Environmental Auditor to hold ground water and is properly installed and functional. The contributing drainage area is temporarily stabilized. No impacts have been observed at the Spring Box area as well as the nearby environmental resources. <b>2.</b> State waters of Mill Creek and wetlands: The complainant cites off right of way sediment impacts to Mill Creek occurred on November 11, 2020 and November 12, 2020. A prolonged storm event (remnants of Hurricane Eta) with intervals of high intensity/short duration runoff occurred. The EIs/Environmental Auditor conducted during and post rainfall event inspections/evaluations. Corrective action measures (ESC repair/maintenance) were addressed and no off right of way or environmental resource impacts occurred. The EIs and Environmental Auditor continue to inspect and monitor the right of way. Erosion and sediment control measures are maintained as needed and the right of way is currently temporarily stabilized. <b>3.</b> Timber mat crossing over Green Hollow: The complainant cites "excessive gravel placement has altered the flow of water in these wetlands". Access road maintenance consists of placing gravel as a topdressing to minimize rutting and potential erosion from vehicular/equipment traffic. The gravel replenishment occurs only on the access road which has prevented off right of way upland and environmental resource impacts. The complainant cites the timber mat stream crossing "is clogged with sediment" and that the "clog is due to sediment which has traveled by way of the Mill Creek watershed from construction of the pipeline". The Spread H Environmental inspection staff conducts routine monitoring that includes VSIR monitoring/reporting every four business days. No upland or environmental resource off right of way impacts within the MVP-RO-287 area have occurred during and following construction activities. The Environmental Auditor conducts site evaluations and communicates with the Spread H Environmental inspection staff, contractor staff and the MVP Environmental staff and provides recommendations as needed to conduct ESC measures repair/maintenance and evaluation activities. It should be noted that major storm events occurred throughout the Roanoke Valley since 2018 causing major flooding and no project related impacts to environmental resources have occurred at MVP-RO-287.</p>	
ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS											
DATE OF OBSERVATION	OBSERVATIONS						CONCLUSION AND RECOMMENDATIONS				
10/19/2021	The Environmental Auditor conducted site evaluations at the following locations: MVP-RO-281, Honeysuckle Road (GAS), and MVP-FR-292 (CIS/GAS).						The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H EI regarding recommendations related to installing enhanced ESC measures.				
10/26/2021	The Environmental Auditor conducted site evaluations at the following locations: MVP-RO-288 (CIS/GAS), MVP-FR-287 (CIS), and Bottom Creek Road (GAS).						The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H LEI regarding recommendations related to proper soil stabilization blanket installation and installing enhanced ESC measures.				
10/28/2021	The Environmental Auditor conducted site evaluations at the following locations: MVP-RO-282 (CIS), MVP-RO-287 (Access Road), MVP-FR-289 (CIS/GAS) and MVP-FR-291 (GAS).						The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H LEI regarding recommendations to conduct repair/maintenance and monitor waterbar functionality on a steep slope area.				
10/29/2021	The Environmental Auditor conducted site evaluations at MVP-RO-286 (GAS) and MVP-FR-291 (GAS).						The Environmental Auditor conducted post rainfall event evaluations and observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H LEI and MVP Environmental staff regarding observations and recommendations related to proper soil stabilization blanket and water installations.				
10/18/2021 through 10/31/2021	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODCP Inspection 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 and installing enhanced ESC measures as needed. 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 - 11/1/2021 through 11/14/2021

ENVIRONMENTAL AUDITOR CONTACT INFORMATION

Joe Crea CPESC, CPSWQ

Tetra Tech

661 Andersen Drive, Suite 200, Pittsburgh PA 15220

Report Period Ending: 11/14/2021

Report Prepared By: Joe Crea

SUMMARY OF FINDINGS										
Total Number of SWPPP Inspections: 27 conducted from 11/1/2021 through 11/14/2021(includes PY-006)										
Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations from 11/1/2021 through 11/14/2021 (includes Carry Over Items from 10/31/2021): 27 (One item was observed by the Environmental Auditor)										
Total Number of ODCP Inspections at Laydown Yard PY-006: 5 (11/1/2021-11/5/2021); 5 (11/8/2021 through 11/12/2021)										
Total Number of VA DEQ Observations from 11/1/2021 through 11/14/2021: 4										
Total Number of Landowner/Third Party Reported Complaints: 1 (A third party landowner complaint was filed with the VADEQ on 11/01/2021 (Pollution Investigation Report_IR#301395). The complainant alleged that "pollution event" occurred due to "dumping excess water into an MVP parking lot beside wetlands". The Spread H Environmental inspection staff conducted an inspection on 11/1/2021 and did not observe any spilled substances in the location noted by the complainant.										
Total Number of Right of Way Impacts Caused by Third Parties: 0										
Total Number of Right of Way Impacts Caused by Weather Related Damage (damaged ESC measures from fallen debris): 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 11/1/2021 through 11/14/2021.										

**CARRY OVER ITEMS FROM 10/31/2021**

DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY WEATHER RELATED DAMAGE	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, 12/30/2020, 1/6/, 1/13, 1/20, 1/27, 2/3/, 2/10, 2/17, 2/24, 3/10, 3/17, 3/23, 3/31, 4/7, 4/13, 4/21, 4/28, 5/5, 5/12, 5/19, 6/2, 6/9 and 6/16, 7/15, 8/16, 9/16, and 10/16/2021 to be completed on 11/17/2021			Engineering design being prepared for slide impact area and awaiting landowner permission. A long term extension approval has been granted.
8/16/2021	0.6"-4.2" - 9 Hours Heavy storm events with high intensity/short duration rainfall occurred late 8/15/2021	1		1				1 on 8/17/2021 (Off right of way impact extended indefinitely until landowner permission is granted)			One item is awaiting landowner permission for off right of way access. The ESC measures were repaired/maintained and enhanced. No resources were impacted.
8/18/2021	0.5"-1.6" - 4 Hours *Isolated high intensity/short duration storm events (remnants of Tropical Storm Fred) occurred late on 8/17/202	1		1				1 on 8/19/2021 (Off right of way impact extended indefinitely until landowner permission is granted)	1 on 11/10/2021		One item has not received landowner permission for off right of way access. The VADEQ conducted an off right of way inspection and did not observed accumulated sediment impacts. No resources were impacted.
8/20/2021	0.1"-1.9" - 2 Hours *Isolated high intensity/short duration storm events occurred late on 8/19/2021	10	1	9				10 on 8/21/2021 (9 off right of way and 1 environmental resource impacts extended indefinitely until landowner permission is granted)	5 on 11/10/2021 5 on 11/11/2021		Ten items have not received landowner permission for off right of way access. The VADEQ conducted off right of way inspections and did not observed accumulated sediment impacts. No resources were impacted.
10/20/2021		2 (VADEQ)					2	2 on 10/23, 10/26, and 10/29/2021 to be completed on 11/1/2021		2 on 11/1/2021	Two items were identified requiring repair/maintenance and completed within the required timeframe via extension request approvals.
10/29/2021	0.5"-3.0" - 14 Hours *Prolonged rainfall with intervals of high intensity short duration events began late 10/28/2021	1					1			1 on 11/1/2021	One item was identified requiring repair/maintenance and completed within the required timeframe.
10/30/2021	0.1"-0.3" - 4 Hours	1 (VADEQ)					1			1 on 11/1/2021	One item was identified requiring repair/maintenance and completed within the required timeframe.

**ENVIRONMENTAL INSPECTOR OBSERVATIONS**

DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY WEATHER RELATED DAMAGE	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
11/1/2021		1 (Env. Auditor)					1			1 on 11/2/2021	One item was identified requiring repair/maintenance and completed within the required timeframe.
11/2/2021		2					2			2 on 11/3/2021	Two items were identified requiring repair/maintenance and completed within the required timeframe.
11/4/2021		4					4			4 on 11/5/2021	Four items were identified requiring repair/maintenance and completed within the required timeframe.
11/8/2021		1					1			1 on 11/9/2021	One item was identified requiring repair/maintenance and completed within the required timeframe.
11/9/2021		2					2	1 on 11/12/2021 to be completed on 11/15/2021		1 on 11/9/2021	Two items were identified requiring repair/maintenance and one of the items was completed within the required timeframe. The remaining item received an extension request approval.



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 WEATHER RELATED DAMAGE	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	
11/1/2021		2					2			2 on 11/2/2021	Two items were identified requiring repair/maintenance and completed within the required timeframe.	
11/9/2021		2					2			1 on 11/9/2021 1 on 11/11/2021	Two 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	
11/1/2021	Bottom Creek Road						1				A third party landowner complaint was filed with the VADEQ on 11/01/2021 (Pollution Investigation Report_IR#301395). The complainant alleged that a "pollution event" occurred due to "dumping excess water into an MVP parking lot beside wetlands". The Spread H Environmental inspection staff conducted an inspection on 11/1/2021 and did not observe any spilled substances in the location noted by the complainant.	
ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS												
DATE OF OBSERVATION	OBSERVATIONS						CONCLUSION AND RECOMMENDATIONS					
11/1/2021	The Environmental Auditor conducted site evaluations at the following locations: MVP-MN-276.03 (CIS), MVP-MN-273 (CIS/GAS), and MVP-MN-270.01 (CIS).						The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H EI regarding recommendations related to ESC measures repair/replacement and monitoring ESC measures for functional longevity.					
11/3/2021	The Environmental Auditor conducted site evaluations at MVP-AR-028 (GAS) and MVP-MLV-AR-27 (GAS).						The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H EI regarding recommendations related to ESC measures repair/maintenance.					
11/5/2021	The Environmental Auditor conducted a site evaluation at MVP-FR-291 (GAS).						The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H LEI, EI, Chief EI, and the MVP Environmental staff regarding improperly installed ESC measures and provided several recommendations.					
11/9/2021	The Environmental Auditor conducted site evaluations at the following locations: Honeysuckle Road (CIS/GAS), MVP-RO-280 (GAS), and MVP-RO-282 (CIS).						The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation. The Environmental Auditor communicated with the Spread H EI regarding recommendations related to ESC measures repair/maintenance and monitoring.					
11/12/2021	The Environmental Auditor conducted site evaluations at Bottom Creek Road (GAS) and MVP-RO-287 (CIS/GAS).						The Environmental Auditor observed locations where ESC measures were installed and functional at the time of the evaluation.					
11/1/2021 through 11/14/2021	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODCP Inspection 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 and installing enhanced ESC measures as needed. 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 - 11/15/2021 through 11/28/2021

ENVIRONMENTAL AUDITOR CONTACT INFORMATION

Joe Crea CPESC, CPSWQ

Tetra Tech

661 Andersen Drive, Suite 200, Pittsburgh PA 15220

Report Period Ending: 11/28/2021

Report Prepared By: Joe Crea

SUMMARY OF FINDINGS											
Total Number of SWPPP Inspections: <b>27</b> conducted from 11/15/2021 through 11/28/2021 (includes PY-006)											
Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations from 11/15/2021 through 11/28/2021 (includes Carry Over Items from 11/14/2021): <b>3</b>											
Total Number of ODCP Inspections at Laydown Yard PY-006: <b>5</b> (11/15/2021-11/19/2021); <b>3</b> (11/22/2021 through 11/24/2021); <b>Contractor did not work on 11/25/2021 and 11/26/2021 due to Holiday</b>											
Total Number of VA DEQ Observations from 11/15/2021 through 11/28/2021: <b>1</b>											
Total Number of Landowner/Third Party Reported Complaints: <b>0</b>											
Total Number of Right of Way Impacts Caused by Third Parties: <b>0</b>											
Total Number of Right of Way Impacts Caused by Weather Related Damage (damaged ESC measures from fallen debris): <b>0</b>											
Total Number of Off Right of Way Impacts: <b>0</b>											
Total Number of Environmental Resource Impacts: <b>0</b>											
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: <b>0</b>											
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 11/15/2021 through 11/28/2021.											
CARRY OVER ITEMS FROM 11/14/2021											
DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY WEATHER RELATED DAMAGE	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, 12/30/2020, 1/6/, 1/13, 1/20, 1/27, 2/3/, 2/10, 2/17, 2/24, 3/10, 3/17, 3/23, 3/31, 4/7, 4/13, 4/21, 4/28, 5/5, 5/12, 5/19, 6/2, 6/9 and 6/16, 7/15, 8/16, 9/16, 10/16, and 11/16/2021 to be completed on 12/17/2021			Engineering design being prepared for slide impact area and awaiting landowner permission. A long term extension approval has been granted.
8/16/2021	0.6"-4.2" - 9 Hours Heavy storm events with high intensity/short duration rainfall occurred late 8/15/2021	1		1				1 on 8/17/2021 (Off right of way impact extended indefinitely until landowner permission is granted)	1 on 11/17/2021		One item was identified requiring repair/maintenance and completed within the required timeframe via a long term extension request approval. Landowner permission was granted, off right of way sediment cleaned up and the impacted area was stabilized. No resources were impacted.
11/9/2021		1					1	1 on 11/12, 11/15, 11/18, and 11/21/2021 to be completed on 11/24/2021		1 on 11/24/2021	One item was identified requiring repair/maintenance and completed within the required timeframe via extension requests 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 WEATHER RELATED DAMAGE	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
N/A											
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 WEATHER RELATED DAMAGE	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
11/16/2021		1					1			1 on 11/16/2021	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	
11/15/2021	The Environmental Auditor conducted a site evaluation at MVP-FR-291 (GAS).	The Environmental Auditor monitored steep slope waterbar repairs and provided guidance during the waterbar installation process.	
11/16/2021	The Environmental Auditor conducted a site evaluation at MVP-FR-291 (GAS).	The Environmental Auditor monitored steep slope waterbar repairs and provided guidance during the waterbar installation process.	
11/17/2021	The Environmental Auditor conducted a site evaluation at the following locations: MVP-AR-29.01, MVP-FR-292 (GAS), and MVP-FR-291 (GAS).	The Environmental Auditor observed locations where the ESC measures were installed and functional. The Environmental Auditor monitored steep slope waterbar repairs and provided guidance during the waterbar installation process at MVP-FR-291 (GAS).	
11/18/2021	The Environmental Auditor conducted a site evaluation at MVP-FR-291 (GAS).	The Environmental Auditor provided soil stabilization blanket (SSB) installation guidance during the steep slope repair process at MVP-FR-291 (GAS).	
11/15/2021 through 11/28/2021	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODCP Inspection Reports, and SWPPP Inspection Reports to be compliant during this reporting period for the Spread H Project. The Environmental Auditor communicated with all Spreads on 11/18/2021 regarding the upcoming Bi-Weekly Report.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring and installing enhanced ESC measures as needed. 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
11/1/2021 (Complaint submitted to FERC on 11/29/2021)	Bottom Creek Road	1	A third party complaint, which addresses a redundant allegation from a landowner complaint filed with the VADEQ on 11/01/2021 (Pollution Investigation Report_IR#301395) was submitted to the USACE and filed by the FERC on 11/29/2021 (#20211129-5073). The complainant alleged that fill material and "a truck dumping water" were deliberately dumped into a wetland. Based on previous inspections conducted by the Spread H Environmental inspection staff and the Environmental Auditor with the most recent conducted on 11/30/2021 (included VADEQ Inspectors), all work/activities occurred within ATWS location where no environmental resources exist and have not been impacted. Communication occurred between the Spread H Environmental inspection staff, MVP Environmental staff (includes Chief EI) and the contractor regarding street sweeper maintenance activities not being conducted within the ATWS areas. It should be noted that water released from the truck was from the equipment's clean water reservoir.
ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS			
DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS	
11/30/2021	The Environmental Auditor conducted site evaluations at the following locations: MVP-FR-291 (GAS), MVP-RO-286 (GAS), and Bottom Creek Road (CIS/GAS).	The Environmental Auditor conducted a follow up evaluation on the steep slope at MVP-FR-291 (GAS) and observed ESC measures requiring repairs. The Environmental Auditor communicated with the EI and UI onsite to obtain a status on repairs and followed up with the LEI and Chief EI/MVP staff regarding observations and recommendations. The Environmental Auditor observed the ESC measures to be installed and functional at MVP-RO-286 (GAS) and Bottom Creek Road (CIS/GAS).	
12/2/2021	The Environmental Auditor conducted site evaluations at MVP-FR-291 (GAS) and MVP-MN-276.03.	The Environmental Auditor conducted a follow up evaluation on the steep slope at MVP-FR-291 (GAS) and observed ESC measures being installed. The Environmental Auditor attended a onsite meeting at MVP-MN-276.03 and observed the ESC measures installed and functional at the time of the evaluation.	
12/7/2021	The Environmental Auditor conducted site evaluations at the following locations: Flanders Road (CIS), MVP-FR-292.01/MVP-MLV-AR-29.01 (CIS), MVP-FR-292 (CIS) and Webster Corner Road (CIS).	The Environmental Auditor observed the ESC measures to be installed and functional at the time of the evaluation and communicated with the LEI regarding recommendations to conduct a minor repair related temporary stabilization.	
12/9/2021	The Environmental Auditor conducted site evaluations at MVP-FR-291 (GAS) and MVP-RO-282 (GAS).	The Environmental Auditor observed the ESC measures to be installed and functional at the time of the evaluation.	
11/29/2021 through 12/12/2021	The Environmental Auditor reviewed and noted the daily MVP Punchlists, SWPPP Inspection Reports, and ODCP Reports to be compliant during this reporting period for the Spread I Project. The Environmental Auditor communicated with all Spreads on 12/2/2021 and 12/9/2021 regarding the upcoming Bi-Weekly Reporting period ending on 12/12/2021. The Environmental Auditor reminded each Spread to submit relevant punchlist and SWPPP Inspection Reports on time and to document third party impacts within the punchlist.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring and installing enhanced ESC measures as needed. 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 - 12/13/2021 through 12/26/2021

ENVIRONMENTAL AUDITOR CONTACT INFORMATION

Joe Crea CPESC, CPSWQ

Tetra Tech

661 Andersen Drive, Suite 200, Pittsburgh PA 15220

Report Period Ending: 12/26/2021

Report Prepared By: Joe Crea

SUMMARY OF FINDINGS											
Total Number of SWPPP Inspections: <b>35</b> conducted from 12/13/2021 through 12/26/2021 (includes PY-006)											
Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations from 12/13/2021 through 12/26/2021 (includes Carry Over Items from 12/12/2021): <b>6</b>											
Total Number of ODCP Inspections at Laydown Yard PY-006: <b>5</b> (12/13/2021-12/17/2021); <b>5</b> (12/20/2021 through 12/24/2021): <b>A small spill was observed near a primary containment structure on 12/17/2021. The ODCP inspector notified onsite employees and the spill was immediately cleaned up and documented in the ODCP Inspection Report and Photo Log.</b>											
Total Number of VA DEQ Observations from 12/13/2021 through 12/26/2021: <b>2</b>											
Total Number of Landowner/Third Party Reported Complaints: <b>1</b> (A third party complaint report titled "Documenting the Damage" dated December 13,2021 was submitted by Wild Virginia to the FERC on 12/16/2021. The complainant alleges that "MVP has violated rules imposed by the Board's water quality certification for upland activities" and discusses the following within the report: "State Inspection Reports", "Sediment Releases Off MVP Rights of Way", "Serious and Repeated Offenses", "Plans Aren't Implemented as Required", and "Deadline Missed". MVP is currently reviewing the complaint and developing a response, which will be reviewed by the Environmental Auditor).											
Total Number of Right of Way Impacts Caused by Third Parties: <b>1</b> (wildlife traffic)											
Total Number of Right of Way Impacts Caused by Weather Related Damage (damaged ESC measures from fallen debris): <b>0</b>											
Total Number of Off Right of Way Impacts: <b>0</b>											
Total Number of Environmental Resource Impacts: <b>0</b>											
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: <b>0</b>											
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 12/13/2021 through 12/26/2021.											
CARRY OVER ITEMS FROM 12/12/2021											
DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY WEATHER RELATED DAMAGE	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, 12/30/2020, 1/6/, 1/13, 1/20, 1/27, 2/3/, 2/10, 2/17, 2/24, 3/10, 3/17, 3/23, 3/31, 4/7, 4/13, 4/21, 4/28, 5/5, 5/12, 5/19, 6/2, 6/9 and 6/16, 7/15, 8/16, 9/16, 10/16, 11/16, and 12/16/2021 to be completed on 1/17/2022			Engineering design being prepared for slide impact area and awaiting landowner permission. A 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 WEATHER RELATED DAMAGE	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
12/16/2021		2					2			2 on 12/16/2021	Two items were identified requiring repair/maintenance and completed within the required timeframe.
12/17/2021		1					1			1 on 12/17/2021	One item was identified requiring repair/maintenance and completed within the required timeframe.
12/20/2021	0.1"-0.2" - 13 Hours *Scattered showers occurred from 12/17/2021 through 12/18/2021	2				1	1			1 on 12/20/2021 1 on 12/21/2021	Two items were identified requiring repair/maintenance and completed within the required timeframe. One of the identified items was caused by third party impacts related to wildlife traffic (this third party impact was identified in the 12/22/2021 SWPPP Inspection Report).
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 WEATHER RELATED DAMAGE	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
12/20/2021	0.1"-0.2" - 13 Hours *Scattered showers occurred from 12/17/2021 through 12/18/2021	2					2			2 on 12/21/2021	Two 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
12/13/2021 Report submitted to FERC on 12/16/2021	Multiple	Multiple	A third party complaint report titled "Documenting the Damage" dated December 13,2021 was submitted by Wild Virginia to the FERC on 12/16/2021. The complainant alleges that "MVP has violated rules imposed by the Board's water quality certification for upland activities" and discusses the following within the report: "State Inspection Reports", "Sediment Releases Off MVP Rights of Way", "Serious and Repeated Offenses", "Plans Aren't Implemented as Required", and "Deadline Missed". MVP is currently reviewing the complaint and developing a response, which will be reviewed by the Environmental Auditor.
ENVIRONMENTAL AUDITOR FIELD OBSERVATIONS AND RECOMMENDATIONS			
DATE OF OBSERVATION	OBSERVATIONS	CONCLUSION AND RECOMMENDATIONS	
12/15/2021	The Environmental Auditor conducted site evaluations at the following locations: Bradshaw Road (GAS), MVP-MN-270.01 (CIS/GAS), and Flatwoods Road (CIS/GAS).	The Environmental Auditor observed locations where ESC measures and PCSWM measures to be installed and functional at the time of the evaluation. The Environmental Auditor communicated with the LEI regarding recommendations to repair/replace sediment control measures in locations where these measures are nearing the end of functional longevity.	
12/13/2021 through 12/26/2021	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODCP Inspection Reports, and SWPPP Inspection Reports to be compliant during this reporting period for the Spread H Project. The Environmental Auditor communicated with all Spreads on 12/16/2021 regarding the upcoming end of the Bi-Weekly Reporting period on 12/26/2021. The Environmental Auditor noted a third party impact related to wildlife traffic reported by the EI within the 12/22/2021 SWPPP Inspection Report. This observation was noted as a completed item identified within the 12/20/2021 Daily Punchlist; however, the punchlist did not identify a third party impact.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring and installing enhanced ESC measures as needed. 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 continues to communicate consistency between the SWPPP Inspection Reports and the Daily Punchlists related to documenting impacts caused by third parties.	
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 PARTIAL BI-WEEKLY REPORT - 12/27/2021 through 12/31/2021

ENVIRONMENTAL AUDITOR CONTACT INFORMATION

Joe Crea CPESC, CPSWQ

Tetra Tech

661 Andersen Drive, Suite 200, Pittsburgh PA 15220

Report Period Ending: 12/31/2021

Report Prepared By: Joe Crea

SUMMARY OF FINDINGS

Total Number of SWPPP Inspections: 15 conducted from 12/27/2021 through 12/31/2021 (includes PY-006)

Total Number of Environmental Inspector (EI) Erosion and Sediment Control (ESC) Observations from 12/27/2021 through 12/31/2021 (includes Carry Over Items from 12/26/2021): 1

Total Number of ODCP Inspections at Laydown Yard PY-006: 5 (12/27/2021-12/31/2021): The ODCP inspector observed a used container leaking and contained within secondary containment on 12/29/2021. The Spread H Environmental staff and contractor were immediately notified and initiated clean up efforts. The leak and clean up was observed to be address within the 12/30/2021 ODCP report. All spill material was contained with the secondary containment structure.

Total Number of VA DEQ Observations from 12/27/2021 through 12/31/2021: 0

Total Number of Landowner/Third Party Reported Complaints: 0

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

Total Number of Right of Way Impacts Caused by Weather Related Damage (damaged ESC measures from fallen debris): 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 12/27/2021 through 12/31/2021.

CARRY OVER ITEMS FROM 12/26/2021

DATE OF OBSERVATION	PRECIPITATION AMOUNT AND DURATION	TOTAL NUMBER OBSERVATIONS	ENVIRONMENTAL RESOURCE IMPACT	OFF RIGHT OF WAY IMPACT	RIGHT OF WAY IMPACTS CAUSED BY WEATHER RELATED DAMAGE	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, 12/30/2020, 1/6/, 1/13, 1/20, 1/27, 2/3/, 2/10, 2/17, 2/24, 3/10, 3/17, 3/23, 3/31, 4/7, 4/13, 4/21, 4/28, 5/5, 5/12, 5/19, 6/2, 6/9 and 6/16, 7/15, 8/16, 9/16, 10/16, 11/16, and 12/16/2021 to be completed on 1/17/2022			Engineering design being prepared for slide impact area and awaiting landowner permission. A 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 WEATHER RELATED DAMAGE	RIGHT OF WAY IMPACTS CAUSED BY THIRD PARTIES	MAINTENANCE/ REPAIR	TOTAL NUMBER EXTENSION REQUEST(S)	DATE COMPLETED 24-HOURS	DATE COMPLETED THREE DAYS	SUMMARY OF OBSERVATIONS

VADEQ OBSERVATIONS

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

LANDOWNER/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
12/27/2021 through 12/31/2021	The Environmental Auditor reviewed and noted the daily MVP Punchlists, ODCP Inspection Reports, and SWPPP Inspection Reports to be compliant during this reporting period for the Spread H Project. The Environmental Auditor communicated with all Spreads on 12/28/2021 regarding the upcoming end of the Partial Bi-Weekly Reporting period on 12/31/2021.	The Environmental Auditor concludes that SWPPP Inspections meet inspection timeframe requirements and recommends continued BMP monitoring and installing enhanced ESC measures as needed. 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	