

## COMPREHENSIVE PIPELINE INSPECTION REPORT

<b>Project Name:</b>	Mountain Valley Pipeline	<b>Inspector:</b>	Matt Grant
<b>Inspection Date:</b>	Tuesday, September 4, 2018		
<b>Spread: Areas included: Appx St#14050+00-14057, St#13635+00-13638</b>	Spread I	<b>Weather (Wet/Dry/Rain):</b>	Dry

**STAGE OF CONSTRUCTION:** (Check all that apply)

- Clearing                     
  Rough Grading                     
  Trench Excavation                     
  Pipe Assembly, Testing & Installation  
 Backfilling and Grade Restoration                     
  Final Grading & Stabilization                     
  Other: \_\_\_\_\_

<b>SWPPP AMENDMENTS, MODIFICATIONS AND UPDATES</b>				Yes	No	N/A	Reviewed during re-inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Location / Description</i>
1	Is the SWPPP being amended whenever there is a change in the design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants to surface waters? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, pp. 5, 6).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
2	Has the SWPPP been amended if inspections or investigations by the operator's qualified personnel or by state or federal officials find that existing control measures are ineffective in minimizing pollutants in discharges? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, pp. 5, 6).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
3	Have there been updates to the SWPPP when any modifications to its implementation have occurred, including a record of dates when major grading activities occur, construction activities temporarily or permanently cease on a portion of the site or stabilization measures are initiated? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 5).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
4	Is there documentation in the SWPPP of replaced or modified controls? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 5).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
5	Has the SWPPP been updated to indicate areas that have reached final stabilization? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 5).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
<b>INSPECTIONS AND CORRECTIVE ACTIONS</b>				Yes	No	N/A	Reviewed during re-inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Location / Description</i>
6	Have inspections required by the SWPPP been conducted at the required frequency, including a modified frequency for impaired water(s), approved TMDL(s), and exceptional waters when applicable? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, pp. 4, 5, 6).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
7	Are inspection reports completed and appropriately signed? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, pp. 5, 6).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
8	Are corrective actions taken consistent with the requirements of the approved Annual Standards and Specifications? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, pp. 3, 5).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			See comments below.
<b>ESC AND SWM PLAN IMPLEMENTATION</b>				Yes	No	N/A	Reviewed during re-inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Location / Description</i>
9	Is the specified sequencing of the project being implemented in accordance with the approved erosion and sediment control plan and stormwater management plans? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC25-870-54.B and C).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

10	Is topsoil segregation being carried out in accordance with the SWPPP? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, pp. 10, 11).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11	Have all denuded areas requiring temporary or permanent stabilization been stabilized within 7 days, and have stabilization requirements for impaired waters, approved TMDL(s), pollutants of concern and exceptional waters, when applicable, been met? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC25-870-54.B) (9VAC 25-840-40.1).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2 tone area near ST#14050+00 is not stabilized, noted on 8-9-18
12	Are soil stockpiles adequately stabilized with seeding and/or protected with sediment trapping measures? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.2).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
13	Has a permanent vegetative cover has been established that is uniform, mature enough to survive and will inhibit erosion? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, pp. 1, 15, 16) (9VAC 25-840-40.3).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
14	Have sediment trapping facilities been constructed as the first step in land disturbance activities? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.4).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15	Have earthen structures been stabilized immediately after installation? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.5).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Berm at ST#13638+00 not stabilized noted 8-29-18
16	Are sediment traps and basins installed in accordance with MS-6 and the approved plan? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.6).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
17	Are finished cut and fill slopes adequately stabilized to prevent or correct excessive erosion? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.7).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
18	Is concentrated runoff flowing down cut or fill slopes contained in an adequate permanent or temporary structure? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.8).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2 tone area near ST#14050+00 conveyance channel is not contained, noted on 8-9-18
19	Is adequate drainage or other protection provided for water seeps? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.9).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
20	Do all operational storm sewer inlets have adequate inlet protection? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.10).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
21	Are stormwater conveyance channels adequately stabilized with channel lining and/or outlet protection? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.11).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
22	Is in-stream construction conducted using measures to minimize channel damage? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.12).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
23	Are temporary stream crossings of non-erodible material installed where applicable? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.13).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
24	Is necessary restabilization of in-stream construction complete? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.15).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
25	Are utility trench operations conducted and stabilized in accordance with MS-16? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.16).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
26	Are soil and mud kept off paved or public roads to minimize the transport of sediment? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.17).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
27	Have all temporary control structures that are no longer needed been removed and disturbed soil resulting from their removal permanently stabilized? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.18).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

28	Are properties and waterways downstream from development adequately protected from erosion, sediment and damage in accordance with the standards and criteria specified by 9VAC25-840.19(a-n)? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.19).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
29	Are all E&S control measures and systems being inspected, maintained and repaired as necessary to ensure functionality? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-60.A).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
30	Are permanent control measures included in the SWPPP in place? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-54.C).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>POLLUTION PREVENTION PLAN IMPLEMENTATION</b>		<b>Yes</b>	<b>No</b>	<b>N/A</b>	Reviewed during re-inspection? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Location / Description</i>
31	Are chemicals, fertilizers, pesticides and other potential pollutants being properly stored (e.g., under cover or within secondary containment) and handled? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC25-870-54.D).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
32	Are construction products, materials, and wastes being properly stored, handled, and disposed of? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC25-870-54.D).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
33	Is trash and debris being controlled and properly disposed of? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC25-870-54.D).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
34	Are measures in place to prevent discharge of spills or leaks from fueling, operation or storage of vehicles, motors and other mechanical equipment? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC25-870-54.D).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
35	Have spills, leaks, or stains (e.g., from hydraulic hoses, vehicle/equipment maintenance and fueling operations, etc.) been cleaned up in accordance with the pollution prevention plan? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC25-870-54.D).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
36	Are chemicals, soaps, solvents, and wash water from construction materials or vehicle washing (e.g., form release oils and curing compounds from hand tools) prevented from leaving the site or properly treated prior to discharge? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC25-870-54.D).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
37	Is concrete wash-out water being directed into a properly installed and maintained leak-proof container or leak-proof settling basin? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC25-870-54.D).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
38	Are all unauthorized non-stormwater discharges prevented from leaving the site, including untreated hydrostatic testing water? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, pp. 1, 13) (9VAC25-870-54.D).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## PIPELINE INSPECTION REPORT REQUEST FOR CORRECTIVE ACTION

Project Name: Mountain Valley Pipeline

Date: Tuesday, September 4, 2018

Location or Checklist #	Regulatory Citation/Legal requirement <sup>1</sup>	Observation/Recommended Corrective Action
8	Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, pp. 3, 5	<p><b>Observation:</b> Corrective actions are not consistent with the requirements of the approved Annual Standards and Specifications.</p> <p><b><u>Recommended Corrective Action:</u></b> Maintain all controls within the required time frame per the annual standard and spec.</p>
11	Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC25-870-54.B) (9VAC 25-840-40.1	<p><b>Observation:</b> 2 tone area near ST#14050+00 is not stabilized.</p> <p><b><u>Recommended Corrective Action:</u></b> Stabilize areas per the MVP std &amp; spec.</p>
12	(Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.2).	<p><b>Observation:</b> St# 13635+00, stabilization has not been completed on spoil stockpile</p> <p><b><u>Recommended Corrective Action:</u></b> Adequately stabilize stockpiles with seeding and/or protected with sediment trapping measures per the MVP std &amp; specs.</p>
15	Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.5	<p><b>Observation:</b> Berm at ST#13638+00 is not stabilized.</p> <p><b><u>Recommended Corrective Action:</u></b> Stabilize all earthen structures immediately after installation.</p>
18	(Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.8)	<p><b>Observation:</b> Concentrated runoff flowing down cut near ST#14050+00 is not adequately contained.</p> <p><b><u>Recommended Corrective Action:</u></b> Adequately contain concentrated runoff flowing down cut or fill slopes.</p>
		<p><b>Observation:</b></p> <p><b><u>Recommended Corrective Action:</u></b></p>

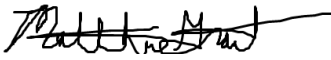
<sup>1</sup> Refers to applicable regulation found in the most recent publication of the State Water Control Law (Va. Code § 62.1-44.2 et seq.), Virginia Erosion and Sediment Control Regulations (9VAC25-840), the Virginia Stormwater Management Program (VSMP) Regulations (9VAC25-870), or the General Permit for Discharges of Stormwater from Construction Activities (9VAC25-880).

Comments:

**Recommended Corrective Action Deadline:** \_\_\_\_\_ Within 24hr notification \_\_\_\_\_

**Targeted Re-Inspection Date:**  
TBD \_\_\_\_\_

The recommended corrective action deadline date applies to all conditions noted on this report unless otherwise noted. If listed condition(s) currently constitute non-compliance and/or corrective actions are not completed by the deadline, other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector Signature: \_\_\_\_\_  \_\_\_\_\_ Date: \_\_\_\_\_ 9-17-18 \_\_\_\_\_

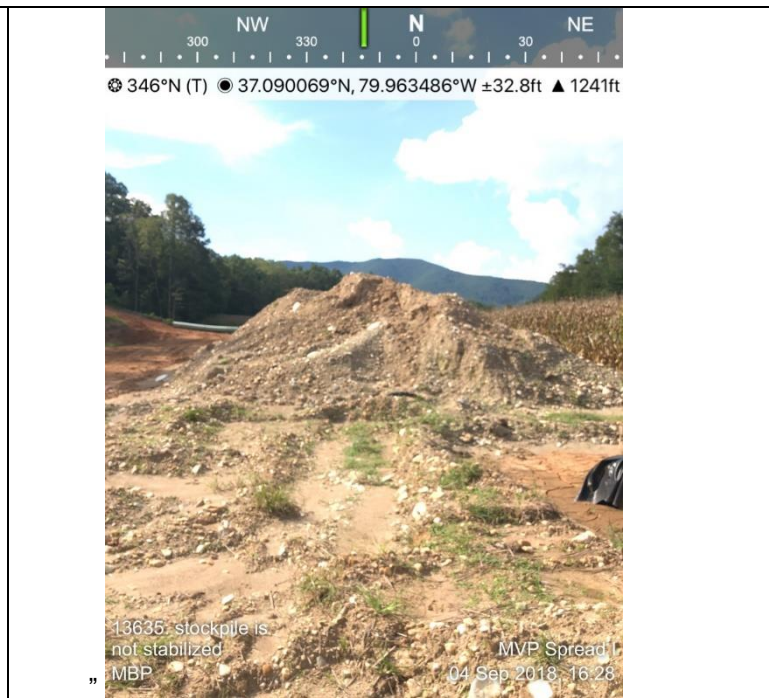
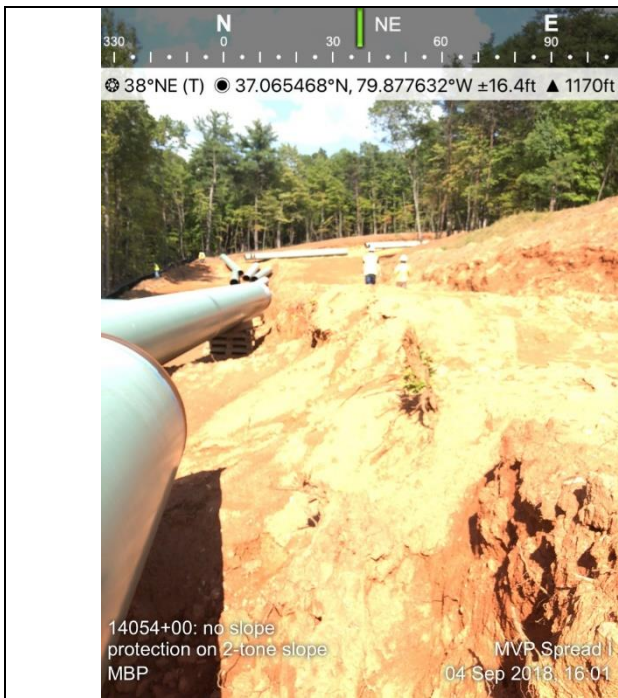
## PIPELINE INSPECTION PHOTO LOG

**Project Name:** Mountain Valley Pipeline

**Date:** Tuesday, September 4, 2018

<p><b>Fig. 1</b> Description: Station 14057+00: Stabilization has not been completed on slopes in 2-tone area</p>	<p><b>Fig. 2</b> Description: Station 14055+00: Slope protection has not been constructed at waterbars in 2-tone areas</p>
<p><b>Fig. 3</b> Description: Station 14054+00: Slope protection has not been constructed at waterbars in 2-tone areas</p>	<p><b>Fig. 4</b> Description: Station 13635+00: Stabilization has not been completed on spoil stockpile</p>





## PIPELINE INSPECTION PHOTO LOG

**Project Name:** Mountain Valley Pipeline

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<p><b>Fig. 1</b> Description: Station 13638+00: Stabilization has not been completed on berm around plunge pool</p>	
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