

## COMPREHENSIVE PIPELINE INSPECTION REPORT

<b>Project Name:</b>	Mountain Valley Pipeline	<b>Inspector:</b>	Matt Grant
<b>Inspection Date:</b>	June 26 & 27 2018	<b>Project Contact:</b>	Randy Clark
<b>Spread:</b>	Spread H	<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: Road boring

<b>SWPPP AMENDMENTS, MODIFICATIONS AND UPDATES</b>		Yes	No	N/A	Reviewed during re-inspection? <input type="checkbox"/> Yes <input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SWPPP not reviewed at the time of inspection
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/> Yes <input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	SWPPP not reviewed at the time of inspection
7	Are inspection reports completed and appropriately signed? (Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, pp. 5, 6).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	
<b>ESC AND SWM PLAN IMPLEMENTATION</b>		Yes	No	N/A	Reviewed during re-inspection? <input type="checkbox"/> Yes <input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Observed at the time of the inspection on 6-27-wetland crossing including WC5, WC6, WC11, WC12 not fully installed before use.
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection

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 type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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"/>	Not reviewed at the time of inspection
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"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Observed at the time of the inspection on 6-27-18, wetland crossings including WC5, WC6, WC11, WC12 were not fully installed before use.
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"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not inspected
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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Observed at the time of inspections on 6-26-18, streams designated stream 39 and stream 40 were impacted.  At the time of inspection on 6-27-18, streams designated SMM 15 and MN513 were impacted.  Observed at the time of inspection on 6-27-18, sediment was off ROW at station point 12071+50
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 checked="" type="checkbox"/>	<input type="checkbox"/>	Observed at the time of inspection on 6-27-18 access roads 270 and 272 required repair and sump maintenance. At the time of inspection on 6-26-18 water bars above stream 39/40 required repair.
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <b>Location / Description</b>
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection
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"/>	Not reviewed at the time of inspection
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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not reviewed at the time of inspection

## PIPELINE INSPECTION REPORT REQUEST FOR CORRECTIVE ACTION

Project Name: Mountain Valley Pipeline

Date: June 26 & 27, 2018

Location or Checklist #	Regulatory Citation/Legal requirement <sup>1</sup>	Observation/Recommended Corrective Action
29	Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-60.A).	<p><b>Observation:</b> At the time of inspection on 6-27-18, access roads 270 and 272 required repair and sump maintenance. During the inspection on 6-26-18, water bars required repair on the slope above streams designated stream 39 and stream 40.</p> <p><b><u>Recommended Corrective Action:</u></b> <i>Install and maintain all controls per the approved plan.</i></p>
28	9VAC25-840.19(a-n)? Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.19).	<p><b>Observation:</b> At the time of inspections on 6-26-18, streams designated as stream 39 and stream 40 were impacted. At the time of inspection on 6-27-18, streams designated as SMM 15 and MN513 were impacted. At the time of inspection on 6-27-18, sediment was off ROW at station point 12071+50</p> <p><b><u>Recommended Corrective Action:</u></b> Install all controls per the approved plan and removed sediment per DEQ approval.</p>
23	(Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-40.13).	<p><b>Observation:</b> At the time of the inspection on 6-27-18, wetland crossing including WC5, WC6, WC11, WC12 were not fully installed before use.</p> <p><b><u>Recommended Corrective Action:</u></b> <i>Install controls per the approved plan and sequence</i></p>
9	(Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC25-870-54.B and C).	<p><b>Observation:</b> At the time of the inspection on 6-27-18, wetland crossing including WC5, WC6, WC11, WC12 were not fully installed before use.</p> <p><b><u>Recommended Corrective Action:</u></b> <i>Install controls per the approved plan and sequence</i></p>

Comments:

<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).

**Recommended Corrective Action Deadline:** Within the 24 hrs of 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: 7-3-18

## PIPELINE INSPECTION PHOTO LOG

**Project Name:** Mountain Valley Pipeline

<p>Fig. 1 Description: Area below ROW near station 12071+50 received sediment.</p> 	<p>Fig. 2 Description: Stream designated SMM 15 received sediment</p> 
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Fig. 3

Description: Stream designated MN513 received sediment



Fig. 4

Description: Water bars above designated streams 39 & 40 require repair

