

COMPREHENSIVE PIPELINE INSPECTION REPORT

Project Name:	Mountain Valley Pipeline	Inspector:	Marshall Willis
Inspection Date:	Wednesday, February 13, 2019		
Spread G: Giles County	STA 11065 – 11156 STA 11354 – 11363	Weather (Wet/Dry/Rain):	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: _____

SWPPP AMENDMENTS, MODIFICATIONS AND UPDATES				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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Update Appendix 6 of SWPPP for BMP tracking.	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
INSPECTIONS AND CORRECTIVE ACTIONS				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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Provide certification documentation for EIs in SWPPP.	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
ESC AND SWM PLAN IMPLEMENTATION				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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	Maintain and install waterbars from STA 11124 to 11119 and 11099 to 11092 per approved PSS&S details.
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
POLLUTION PREVENTION PLAN IMPLEMENTATION		Yes	No	N/A	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	

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REQUEST FOR CORRECTIVE ACTION

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Location or Checklist #	Regulatory Citation/Legal requirement ¹	Observation/Recommended Corrective Action
1	(Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, pp. 5, 6)	<p>Observation: Incomplete BMP tracking in Appendix 6 of SWPPP.</p> <p><u>Recommended Corrective Action:</u> Update Appendix 6 of SWPPP for BMP tracking.</p>
7	(Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, pp. 5, 6)	<p>Observation: Incomplete record of inspector certification.</p> <p><u>Recommended Corrective Action:</u> Provide certification documentation for Environmental Inspectors in SWPPP.</p>
29	(Va. Code §62.1-44.15:31) (MVP Standards & Specifications for VA, p. 1) (9VAC 25-840-60.A)	<p>Observation: Waterbars out of compliance.</p> <p><u>Recommended Corrective Action:</u> Maintain and install waterbars from STA 11124 to 11119 and 11099 to 11092 per approved PSS&S details.</p>

Comments:

Inspected the following resources: karst feature at STA 11131, S-NN11 and S-KL43

Recommended Corrective Action Deadline: Within 24-hr 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: 02/13/2019

¹ 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).

PIPELINE INSPECTION PHOTO LOG

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Fig. 1: STA 11156 – Area adequately stabilized.



Fig. 2: STA 11124 – Waterbar does not meet height requirement in travel lane.



Fig. 3: STA 11119 – Waterbar does not extend to edge of LOD.



Fig. 4: STA 11097 – Waterbar does not meet slope requirements.



PIPELINE INSPECTION PHOTO LOG

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Fig. 5: STA 11354– Controls in place at S-NN11.



Fig. 6: STA 11363 – Area adequately stabilized.



Fig. 7:

Fig. 8: