



## VWP FIELD INSPECTION CHECKLIST

### Short Form

|                                                                                                                                                                                                               |                                                    |                                         |                                                                                                                                                                                                          |                        |            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------|
| <b>Project Name</b>                                                                                                                                                                                           | Mountain Valley Pipeline Spread I, Franklin County | <b>VWP Permit #</b>                     | N/A                                                                                                                                                                                                      | <b>Inspection Date</b> | 10/16/2018 |
| <b>Inspector Name</b>                                                                                                                                                                                         | Nathan Hughes; Matt Grant                          | <b>Phone # &amp; Email Address</b>      | (804) 921-1970; <a href="mailto:Nathan.Hughes@deq.virginia.gov">Nathan.Hughes@deq.virginia.gov</a><br>(804) 418-9874; <a href="mailto:Matthew.Grant@deq.virginia.gov">Matthew.Grant@deq.virginia.gov</a> |                        |            |
| <b>Address or lat/long (if no permit no.)</b>                                                                                                                                                                 | Stream Crossing E-48 (BonBrook #2)                 | <b>Others Present During Inspection</b> | N/A                                                                                                                                                                                                      |                        |            |
| <b>Project Phase</b>                                                                                                                                                                                          | Grading; Trenching                                 | <b>Reason for Inspection</b>            | Construction                                                                                                                                                                                             |                        |            |
| <b>PERMIT / REGULATORY REQUIREMENT</b>                                                                                                                                                                        |                                                    | <b>Yes/ No/ NA</b>                      | <b>Location, Description and Other Notes</b>                                                                                                                                                             |                        |            |
| Unauthorized impacts to surface waters, including wetlands, or upland preservation areas <b>have occurred</b> .<br><i>(This includes sedimentation impacts due to inadequate or failed erosion controls.)</i> |                                                    | Yes                                     | Linear footage of stream channel impact unknown due to lack of adjacent landowner permission.                                                                                                            |                        |            |
| Non-impacted wetlands, streams and preservation areas within 50 feet of construction are clearly marked to prevent unpermitted impacts.                                                                       |                                                    | Yes                                     |                                                                                                                                                                                                          |                        |            |
| Temporary impacts are being restored to original contours, stabilized, and allowed to re-establish with wetland vegetation within 30 days of completing purposeful work in the area.                          |                                                    | N/A                                     |                                                                                                                                                                                                          |                        |            |
| Construction activities are <b>not</b> substantially disrupting aquatic life movement.                                                                                                                        |                                                    | No                                      | Sedimentation observed within stream channel's viable habitat                                                                                                                                            |                        |            |
| E&S controls are present, properly maintained, and functioning.                                                                                                                                               |                                                    | Yes                                     | At the time of inspection, E&S measures were being repaired                                                                                                                                              |                        |            |
| In-stream work is being performed in the dry with the appropriate use of cofferdams, sheetpiling, etc., to minimize stream bottom disturbance and turbidity.                                                  |                                                    | N/A                                     |                                                                                                                                                                                                          |                        |            |
| Pipes and/or culverts for road crossings are countersunk to provide for the re-establishment of low flow fish passage and/or a natural stream bottom.                                                         |                                                    | N/A                                     |                                                                                                                                                                                                          |                        |            |
| Time-of-year restrictions are being adhered to.                                                                                                                                                               |                                                    | N/A                                     |                                                                                                                                                                                                          |                        |            |
| Water quality monitoring is being conducted during permanent stream relocations.                                                                                                                              |                                                    | N/A                                     |                                                                                                                                                                                                          |                        |            |
| Streams and wetlands are free from any sheen or discoloration that may indicate a spill of oil, lubricants, concrete or other pollutants. **                                                                  |                                                    | Yes                                     |                                                                                                                                                                                                          |                        |            |

|                                                                                                                   |     |  |
|-------------------------------------------------------------------------------------------------------------------|-----|--|
| Heavy equipment is placed on mats or geotextile fabric when working in authorized temporary wetland impact areas. | N/A |  |
| Exposed slopes/stream banks are stabilized immediately upon completion of work in each impact area.               | N/A |  |

### Inspection Summary

| Compensation Completed                                                                                 | Reporting                                                                                                                                                                                                                                                                         | On-Site Monthly Inspections Completed                                                                  |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input checked="" type="checkbox"/> N/A | Preconstruction Notice Received:<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A<br>Construction Status Updates Received:<br><input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | <input type="checkbox"/> Yes<br><input type="checkbox"/> No<br><input checked="" type="checkbox"/> N/A |

### Notes

**General Notes:**

On October 16, 2018, DEQ staff conducting field inspections documented sedimentation in Stream E-48 located on property adjacent to and within the Mountain Valley Pipeline (MVP) right-of-way (RoW).

**Construction Activities at time of Inspection:**

Stormwater measures and Erosion & Sediment Controls

**Stream E-48**

Sediment ranging from <0.5-inch to a maximum depth of 2-inches was observed. Sediment was also observed within forested buffer. Flow was present in the 1-3' wide channel at time of inspection. Sediment within the stream's thalweg was generally <1-inch in depth; sediment bars and pool deposition was generally 1 to 2-inches in depth. Landowner permission was not granted for adjacent property downstream.

Clean-up activities and seed/straw present at time of inspection, however more remediation needed

### Recommended Corrective Actions

1. Repair erosion and sediment controls in areas where needed;
2. Stabilize all slopes above and below perimeter controls;
3. Remove sediment from impacted stream channel using hand removal methods (buckets and shovels) and stabilize with appropriate seed mix where applicable.

# Site Inspection

Site Name: Mountain Valley Pipeline\_Spread I; Stream E-48

Date: 10/16/2018



**Photo 1:** Overview of Stream Crossing E-48

**Orientation:** ENE



**Photo 2:** View downstream from bridge in Photo 1

**Orientation:** Downstream

## Site Inspection

Site Name: Mountain Valley Pipeline\_Spread I; Stream E-48

Date: 10/16/2018



**Photo 3:** Sediment in stream and on banks at edge of RoW; Depth = 0.5-2"  
**Orientation:** Downstream

## Site Inspection

Site Name: Mountain Valley Pipeline\_Spread I; Stream E-48

Date: 10/16/2018



**Photo 4:** Overview of stream crossing and sediment within forested buffer  
**Orientation:** SE