



**FEDERAL ENERGY REGULATORY COMMISSION
ENVIRONMENTAL COMPLIANCE MONITORING PROGRAM
WEEKLY SUMMARY REPORT**

ROVER PIPELINE, PANHANDLE BACKHAUL, AND TRUNKLINE BACKHAUL PROJECTS

DOCKET Nos.: CP15-93-000, CP15-94-000, and CP15-96-000

For the Period: Ending March 17, 2018

On February 2, 2017, the Federal Energy Regulatory Commission (FERC) published an Order Issuing Certificates (Certificates) to Rover Pipeline LLC (Rover), Panhandle Eastern Pipe Line Company, LP (Panhandle), and Trunkline Gas Company (Trunkline) to construct and operate pipeline, compression, metering facilities, and related infrastructure as part of the Rover Pipeline, Panhandle Backhaul, and Trunkline Backhaul Projects (Projects). The Rover Pipeline Project facilities consist of approximately 700 miles of new natural gas pipeline in 510 miles of new rights-of-way and multiple aboveground facilities located in Pennsylvania, West Virginia, Ohio, and Michigan. The Panhandle Backhaul Project consists of piping modifications at existing facilities located in Indiana and Illinois. The Trunkline Backhaul Project consists of piping modifications at existing facilities in Illinois, Tennessee, and Mississippi. In accordance with its Certificates, Rover, Panhandle, and Trunkline agreed to fund a third-party Compliance Monitoring Program during construction of its Projects.

This report provides a summary of the activities performed by the FERC Compliance Monitors (Compliance Monitors) as well as the construction variances approved for the Projects. This report also provides a summary of rainfall data, selected construction photographs, and a GANTT chart depicting construction progress.

COMPLIANCE REPORT SUMMARY TABLE

Compliance Level	Number of Reports this Reporting Period	Cumulative Number of Reports
Acceptable	15	2,079
Communication	35	1,325
Problem Area	3	411
Noncompliance	4	634
Serious Violation/Stop Work Order	0	2
Level 1 Variance Approvals	0	77
Level 2 Variance Approvals	5	182
Level 3 Variance Approvals	0	18
Total Reports	62	4,728

Report Compliance Level Definitions:

- **Acceptable** – documented activity or area is in compliance with the Project’s environmental requirements and mitigation measures have been adequately implemented.
- **Communication** – documentation of relevant meetings between the Compliance Monitor and landowners, agencies, Rover’s representatives, Els, or other noteworthy conversations or communications.
- **Problem Area** – generally incidents that are accidental or unforeseeable, are not out of compliance with the Project’s environmental requirements, but may become out of compliance if not addressed in a timely manner.
- **Noncompliance** – activity or area that is not in compliance with Project specifications or that places sensitive resources at unnecessary risk.
- **Serious Violation** – activity or area that is not in compliance with Project specifications which results in substantial harm to sensitive resources or poses serious risk to sensitive resources.

Variance Level Definitions:

- **Level 1 Variance** – reviewed and approved or denied by the Compliance Monitor. These requests are for site-specific, minor, performance-based changes to Project specifications or mitigation measures that provide equal or better protection to environmental resource.
- **Level 2 Variance** – reviewed and approved or denied by the FERC Compliance Manager. These requests involve Project changes that would affect an area outside of the previously approved work area and could affect sensitive resources.
- **Level 3 Variance** – reviewed and approved or denied by the FERC. These requests involve Project-wide changes to mitigation measures, areas beyond the previously surveyed corridor, permanent structures, or changes to site specific crossing plans.

SUMMARY OF PROJECT ACTIVITIES

The FERC Compliance Monitors conducted daily inspections of the authorized portions of the construction right-of-way and extra work areas and documented compliance with the Project's environmental requirements. The majority of the compliance activities focused on horizontal directional drill (HDD) activities and cleanup and restoration. The Compliance Monitors and Compliance Manager also coordinated with Rover's environmental management staff, Chief Environmental Inspector (EI), Lead EIs, and EIs to discuss areas of concern and to clarify interpretations of the Project's environmental requirements.

RAINFALL SUMMARY

Gages referenced below are part of the National Oceanic and Atmospheric Administration's (NOAA) Global Historical Climatology Network (GHCN). All daily station data can be found here:

<https://gis.ncdc.noaa.gov/maps/ncei/summaries/daily>. Precipitation amounts listed in inches; N/A represents no data collected, ND represents no data available, T represents Trace.

STATION	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.	TOTAL
	3/11/2018	3/12/2018	3/13/2018	3/14/2018	3/15/2018	3/16/2018	3/17/2018	
Middlebourne ¹	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.02
Wheeling ²	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uhrichsville ³	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.07
Dover ⁴	N/A	N/A	N/A	0.06	0.00	T	0.00	0.06
Wooster ⁵	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.07
Bucyrus ⁶	0.00	0.00	0.03	0.02	0.00	0.00	0.00	0.05
McClure ⁷	N/A	0.00	T	T	0.00	0.00	0.00	0.00
Morenci ⁸	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chelsea ⁹	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.08

¹ – Located in Middlebourne, WV ~3.3 miles northeast of MP 20.1 of Sherwood Lateral (39.470309°, -80.856841°).

² – Located in Wheeling, WV ~5.4 miles north of MP 12.4 of Majorsville Lateral (40.056303, -80.727857).

³ – Located in Uhrichsville, OH ~6.6 miles southwest of MP 18.0 of Mainline Spread 1 (40.405235°, -81.343191°).

⁴ – Located in Dover, OH ~7.4 miles southwest of MP 29.7 of Mainline Spread A (40.530037°, -81.460953°).

⁵ – Located in Wooster, OH ~2.8 miles northeast of MP 68.2 of Mainline Spread B (40.783300°, -81.916594°).

⁶ – Located Bucyrus, OH ~9.8 miles southwest of MP 123.4 of Mainline Spread C (40.811599°, -82.968847°).

⁷ – Located in McClure, OH ~3.9 miles north of MP 184.2 of Mainline Spread D (41.328233°, -83.908801°).

⁸ – Located in Morenci, MI ~1.0 mile west of MP 28.2 of Market Segment Spread 7 (41.721562°, -84.214805°).

⁹ – Located in Chelsea, MI ~3.4 miles from MP 77.0 of Market Segment Spread 8 (42.325942°, -84.013314°).

NONCOMPLIANCES AND PROBLEM AREAS

FERC Issued

Noncompliances:

The FERC issued four noncompliance reports (NCR) during this reporting period.

Date	Location	Milepost	Report Summary
3/13/2018	Mainline Spread B Pipe B	68.6	A track hoe was parked on the rock and flume crossing (within 100 feet of a resource) without containment. The unit was cold to the touch, indicating that it had not been used today, which was confirmed by the onsite utility inspector. The utility inspector also confirmed that the contractor did use it yesterday and parked it at this location.
3/13/2018	Mainline Spread B Pipe B	72.3	A dewatering structure on the right-of-way was being hauled off, revealing considerable erosion. The water had flowed down to a J-hook on the edge of the right-of-way that had failed, allowing water and sediment to flow outside of the right-of-way and causing erosion for about 650 feet into an agricultural field.
3/14/2018	Market Spread 7	13.1	A landowner did not receive any paperwork or phone call from the Project Land Agent regarding the authorization of retrieval of the off right-of-way sediment. The Project Land Agent admitted that he did not contact the landowner about the off-right-of-way variance request, and did not acquire his signature. The Level 1 Variance was signed February 27, 20/18 by the Land Agent as proxy for the landowner. A noncompliance was issued for the lack of landowner authorization for off-right away activities.
3/17/2018	Mainline Spread C Pipe B	111.3	Erosion started on the right-of-way and extends beyond its boundaries. Sediment had also migrated outside the limits of the right-of-way. There are no erosion controls in place at this location. The area affected is about 125 feet by 60 feet and the erosion is 100 feet outside of the right-of-way.

Problem Areas:

The FERC issued three problem area reports (PAR) during this reporting period.

Date	Location	Milepost	Report Summary
3/12/2018	Sherwood Lateral	6.9	Severe erosion had occurred under the erosion control blanketing with heavy soil deposition noted under the blanketing on the stream edge. Flooding in the stream had resulted in a shifting of the stream channel making some of the installed fencing ineffective in its intended purpose.
3/13/2018	Sherwood Lateral	22.0	Excessive sediment accumulation was found on the bridge surface at stream S7H-TY-304, as well as damage to the side rails and bridge underlayment. As there has been no active construction in the area for an extended period of time, the sediment accumulation appears to be the result of runoff from the steep slopes on either side of the bridge. There are control structures in place on either end of the bridge and their relatively clean appearance suggests that some maintenance has been conducted on those structures, but little effort has been made to clean the bridge. While the bridge is considered to be in poor condition, no impacts were observed to the stream as a result of the deficient bridge.
3/13/2018	Sherwood Lateral	22.0	Excessive sediment accumulation was found at several locations where the fencing had been or was near to being overtopped.

Rover Issued

Noncompliances:

The Environmental Inspectors informed the Compliance Monitors of 15 self-reported (Rover-issued) NCRs during this reporting period as described in the communications report below.

Problem Areas:

The Environmental Inspectors informed the Compliance Monitors of at least two self-reported (Rover-issued) PARs during this reporting period as described in the communications report below.

PROJECT COMMUNICATIONS

Below is a summary of the Communication Reports posted by the Compliance Monitors this reporting period.

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/12/2018	MajorsvilleLateral_12Mar2018_BL	0.6	0.6	Cleanup & Restoration	<p>The Compliance Monitor performed a review of Variance Request MJ-1-20180221 with the EI. Rover is requesting permission to repair a slip that is 84 feet long and extends 23 feet outside of the limit of disturbance (LOD). Field observations agree with the size of the site. About 1 to 2 cubic feet of material was observed outside of the LOD. The affected area is an upland forest, no residential features were observed. Stream S4H-MA-578 is about 78 feet away at station number 31+12. No impacts to the stream were observed or are anticipated. The EI said the area was restored under very wet conditions and he does not believe it is a slope failure. He said repairs to the slip will not require tree cutting and they will not need to work outside of the LOD. He explained that the slip expert reviewed the site and they believe the material is surface movement that occurred during past rain events. The EI said the contractor will address the site with permanent repairs as soon as conditions are dry enough for equipment to work the area. The Compliance Monitor informed him that a Level 1 Variance Request will be required to retrieve the minor amount of material and return it to the right-of way. The EI explained that temporary measures to install additional erosion control devices (ECDs) to prevent more soil from migrating off the right-of-way are under way and the crews were planning to address the ECDs tomorrow. However, the temporary access road (TAR) to the site (TAR-1C) will be unavailable for the next 48 hours due to hot work performed by another project that is co-located on TAR-1C and will block the area. The Compliance Monitor explained that the issues will need to be addressed within 72 hours. The EI said they will submit the Variance Request and perform the work outside of the LOD with hand tools and foot traffic. He also said he was writing up the area in a Problem Area Report. The Compliance Monitor informed him that he would document in a communication that the EI believes that the Level 2 variance is not required and should be rescinded.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/12/2018	MajorsvilleLateral_12Mar2018_BL	8.8	8.8	Cleanup & Restoration	<p>The Compliance Monitor reviewed Variance Request MJ-2-20180221 in which Rover is requesting permission to make repairs to a slope failure that is about 100 feet long and extends 100 feet outside of the LOD. The affected site is within an upland forest that is about 50 feet above stream S7H-MA-372. Field observations agree with the size of the area. The Compliance Monitor observed that the area has been covered with a thick layer of straw mulch (averaging 3 to 4 inches deep). Sections of the mulch were pulled away to reveal sediment mixed with forest leaf litter underneath. The Compliance Monitor contacted the Lead EI and reviewed photographs of the area. The Lead EI was unaware of any issues at this location and said he would speak with the Canton office to find out why there is no information on the environmental tracking database. The Lead EI said he would write a NCR.</p>
3/12/2018	BurgettstownLateral_12Mar2018_B L	16.9	16.9	Cleanup & Restoration	<p>The Compliance Monitor received a phone call from the Lead EI regarding the use of tract OH-JE-HL 004.000 to access the right-of-way to facilitate repairs to the slope failure at station 896+50. The Lead EI said the contractor is requesting the area for use of light trucks and for the temporary storage of super sacks of Calciment. The Calciment is planned specifically for the repairs to the slope above a residential property. The property is now owned by Rover and has received all clearances. The Compliance Monitor informed the Lead EI that use of the area is within the permit conditions and the stored material must adhere to the Calciment Safety Data Sheets (SDS) recommendations for safe handling and storage methods. The Lead EI said he would make sure the contractor secures the area in accordance with the SDS.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/12/2018	SherwoodLateral_12Mar2018_GH	13.2	13.2	Other (see notes)	<p>The Compliance Monitor and the EI conducted a follow-up inspection on the slope failure and stream impact at stream S2ES-TY-143. In a previous inspection, deficiencies were noted with installed sediment control structures with an additional discussion of managing stormwater runoff from an ephemeral stream to lessen potential impacts to installed fencing at the main stream, S2ES-TY-143. In this inspection, the Compliance Monitor found that drain tiles had been installed in an attempt to capture and convey runoff from ephemeral stream S2ES-TY-145 to the main stream. While there was no active surface flow in the stream proper, there was emergent subsurface flow seen downgradient of the inlet to the drains. This emergent flow was clear at the time of the inspection and eventually found its way to the stream through a hole in the installed super silt fencing at the main stream. There is some question as to whether or not the drain installation will be effective in managing runoff from the ephemeral stream and will need to be observed during a rain event. As for the impacted stream, it did not appear that any additional work had been completed beyond what was seen on March 10, 2018. In a discussion with the Lead EI on March 10, 2018, and prior to my meeting with the EI and contractor foreman, the Lead EI reported that communication had been received by Rover from the FERC on March 9, 2018 that outlined concerns the FERC had regarding what is being viewed as deficient remedial efforts to address the slope failure and stream impact at this location. The FERC strongly suggested that the area needed to be brought into compliance over the course of the weekend with the expectation of an update by Rover on Monday, March 12, 2018. During this inspection, the foreman was questioned as to why the deficient sediment control structures had not yet been repaired and repeated the expectation that the repairs were to have been made by this date. The foreman reported that he had misunderstood the timing of the needed completion as the reason for the controls not being repaired. He immediately dispatched a crew to the location to initiate the corrective actions. The Compliance Monitor was assured that the sediment controls would be re-established before the end of the workday. A follow-up inspection will be conducted on to ensure satisfactory completion of all necessary repairs.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/12/2018	MainlineSpread A Pipe B_12Mar2018_GA	53.0	53.6	HDD	The Compliance Monitor was contacted by the EI about an inadvertent release (IR) on the east side of the Highway 241 drill. The Compliance Monitor started his inspection on the west side of the drill and noticed that the drill was not running at the time. Per the HDD contingency plan, the drill was shut down, and crews were maintaining the pumps for the drilling mud. The environmental crew was installing silt fence on the east side of the drill, as well as finishing the cleanup of drilling mud. The IR was contained within silt fence and sand bags. The IR was reported at 800 to 1,000 gallons within the right-of-way and under the timber mats about 100 feet from the exit of the drill.
3/12/2018	SherwoodLateral_12Mar2018_GH	5.1	7.4	Cleanup & Restoration	The Compliance Monitor conducted a follow-up inspection to an NCR issued on February 27, 2018. The noncompliance evaluation was issued for the premature removal of sediment control structures resulting in the deposition of sediment off-right-of-way. In this inspection and in the company of the EI, the Compliance Monitor found that sediment control fencing had been reinstalled in the target area. There was a slight snow cover that prohibited observation of the off-right-of-way sediment deposition and the status of that deficiency. While the fencing had been reinstalled, there were concerns with the effectiveness of the installation. Gaps were found in the fencing that could again result in sediment loss off-right-of-way. The EI is to meet with contractor environmental personnel to address those concerns. The Compliance Monitor will follow up with the EI in a few days on her efforts to address the fencing issues.

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/12/2018	MarketSpread 7_12Mar2018_SD	19.5	19.5	Post-construction Restoration	<p>The Compliance Monitor noted a section of the Fulton County Road 20 (CR-20) bar-ditch/road shoulder has a trench cut into it allowing standing water from the right-of-way to drain off-right-of-way without erosion control. The Compliance Monitor contacted the Lead EI regarding the excavation of the trench. He informed the Compliance Monitor that he and the Rover Construction staff were aware of the issue. He went on to add that the landowner created the trench with a rubber tire backhoe. During the inspection, the Compliance Monitor noted oversized rubber tire tracks entering and exiting the right-of-way. The water is present due to general sinking of the right-of-way and subsidence of the former bell-hole created for the road bore of CR-20. The Compliance Monitor advised the Lead EI that some form of ECD (silt fence, filter log etc.) be installed for any future drainage. The Lead EI agreed; however, was also confident the landowner would remove them. The Compliance Monitor will conduct follow-up inspections to confirm the ECD installation.</p>
3/12/2018	MainlineSpread D Pipe A_12Mar2018_SD	205.1	205.1	Other (see notes)	<p>A landowner complaint was filed with the FERC on March 9, 2018 which stated that Rover: 1) had not provided any compaction or seeding to his access road, 2) refused to restore the driveway, and 3) had not provided use of the road or to cross the right-of-way, denying access to his lands to the north. Several inspections had been made previously, dating back to May 2017. On this date, the Compliance Monitor conducted an inspection of the access road and the tract. The access road and the right-of-way were saturated and extremely soft. Given current seasonal conditions, it was advised that any attempts to further compact the road or make any improvements be made in the spring. Furthermore, the Compliance Monitor advised the Lead EI to use something similar to bridging mats placed over the road to allow access for the landowner until the road can be addressed. Lastly, runoff was observed coming from off-right-of-way, which is ponding and flowing across the road, depositing sediment on the landowner's property. This will continue to be an issue until the access road is improved.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/12/2018	MarketSpread 7_12Mar2018_SD	13.0	13.1	Other (see notes)	<p>A landowner complaint was filed with the FERC on March 9, 2018 which stated that Rover needs to: 1) repair erosion/rilling and washout of a grassy waterway, including off-right-of-way sediment, 2) repair surface drainage tile from sediment, 3) retrieve sediment extending as far as 600 feet outside of Rover's right-of-way, 4) place silt fence at the edge of the right-of-way, 5) seed where the pipeline right-of-way crosses the grass waterway, 6) include the landowner in the plan to restore the waterway and reclaim the sediment, and 7) share their plan to repair the washout on the waterway and reclaim the sediment. On this date, the Compliance Monitor conducted a field inspection of the tract with the Spread 7 Lead EI. The right-of-way was saturated and extremely soft. The installed ECDs were in place and functional. Additionally, the Compliance Monitor inspected the grassy waterway from the right-of-way to a bar-ditch which eventually drains into the nearby Brush Creek. During the inspection, there was no evidence of sediment from the right-of-way beyond an approximate 90 feet. Residual sediment was observed from the cleanup efforts, as well as some sediment that was missed. Additionally, a broken 12-inch clay drain tile was exposed at the right-of-way edge. Judging by the direction that the surrounding grass was laying, it was concluded that stormwater runoff and sediment overflowed from the exposed tile, reached the surface, and drained along the waterway into the CR-20 bar-ditch. The Lead EI had stated that the right-of-way was not seeded during cleanup since the waterway was listed as a "private drive" on the alignment sheets. By the time the mistake was caught, it was too late in the season for any seed to take. The Lead EI offered to plant a winter mix, though unlikely to take since conditions are too wet. The EI stated that his management told him that all communication with the landowner must be passed through their lawyers. Any future plans or variances regarding his properties will no longer be relayed to the landowner through the land agents. The Compliance Monitor will continue to conduct follow-up inspections and communications with the Lead EI and the landowner until all of his concerns and complaints are resolved.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/13/2018	MainlineSpread B Pipe B_13Mar2018_GA	70.3	70.3	Post- construction Restoration	The Compliance Monitor conducted an inspection on the west side of Shreve Road where he had been notified of a sink hole between 15 and 18 feet from the edge of the pavement over the line A crossing. The contractor installed safety fence around the area, and about 8 yards of flowable fill in the sink hole. That brought the fill to within 12 to 14 inches of the top and the rest of the void will need to have soil brought in to finish the grade.
3/13/2018	ClarringtonLateral_13Mar2018_BL	8.2	8.2	Cleanup & Restoration	The Compliance Monitor performed a review of Variance Request CL-1-20180308. Field observations do not agree with the indications on the map or the description in the variance request. The slope failure appears to be contained within the right-of-way. No evidence of a slope failure was observed outside the LOD. The request states "The slip repair area is wholly within the original environmental study corridor. The slip area extends about 176 feet along the eastern side of the LOD and extends out about 69 feet at its widest point." The Compliance Monitor spoke with the Lead EI regarding the slope failure observed within the right-of-way and that no issues were observed outside the LOD. The Lead EI contacted the slip contractor who said they are asking for a larger area in anticipation of the slope moving. The failure is on a steep slope on the northern bank of stream S2ES-BE-237. It is about 50 feet long by 75 feet wide and terminates in the edge of the stream. The contractor has installed flexible corrugated pipe in the stream to convey clear water across the disturbed area. The failure has broken through the fence line and moved fence posts and the gate. The fence was no longer functioning to segregate the adjacent, active cattle pasture. The contractor arrived onsite and repaired the fence before the site inspection was completed. This variance requires additional information and clarification before approval.

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/13/2018	ClaringtonLateral_13Mar2018_BL	13.1	13.1	Cleanup & Restoration	<p>The Compliance Monitor performed a review of Variance Request CL-2-20180308. Field observations do not agree with the indications on the map or the description in the variance request. The slope failure appears to be contained within the right-of-way. No evidence of a slope failure or activity outside of the right-of-way was observed. The request states that the slip extends “about 171 feet along the sides of the LOD and extending out about 51 feet on the eastern side and 29 feet on the western side at the widest points.” The Compliance Monitor spoke with the Lead EI regarding the slope failure observed within the right-of-way and that no issues were observed outside the LOD. The Lead EI contacted the slip contractor who said they are asking for a larger area in anticipation of the slope moving. The failure is within the right-of-way, located on a steep slope above stream S4ES-BE-197. It is about 50 feet long by 75 feet wide and is contained by super silt fence 15 to 20 feet from the edge of the stream. ECDs are in place and no impacts to the stream were identified at the time of inspection. This variance requires additional information and clarification before approval.</p>
3/13/2018	SherwoodLateral_13Mar2018_GH	13.2	13.2	Other (see notes)	<p>The Compliance Monitor conducted a follow-up inspection from the previous day to check the completion of the repairs to the sediment control structures. Upon arrival, he met with the contractor foreman responsible for the repairs who outlined the repairs that had been completed and the work that was being completed on this date. In this inspection, the Compliance Monitor observed a row of ECD fencing had been installed in front of the damaged super silt fencing on the right ascending side of the right-of-way. He also noted personnel removing sediment accumulation at the lower corner of the right-of-way. Work was also being completed to repair the super silt fencing installed adjacent to the stream on the going-away side of the right-of-way. At the conclusion of the inspection, the Compliance Monitor spoke to the Lead EI regarding the inspection findings and advised him that while the repairs completed will functionally provide protection for the stream, the efforts can only be considered short term and will require frequent monitoring and maintenance until restoration can be completed. The Lead EI advised that he has, and will continue to stress the need for the contractor to commit to maintain the environmental controls.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/14/2018	ClaringtonLateral_14Mar2018_BL	29.8	29.8	Cleanup & Restoration	<p>The Compliance Monitor performed a review of Variance Request CL-2-20180312. Rover is requesting permission to repair a slip that is outside of the LOD. The request states that the area is “about 242 feet along the eastern side of the LOD and extends out about 79 feet at its widest point.” Field observations agree with the variance request description and the associated aerial map. The slope failure is on the northeastern side of the right-of-way between station numbers 1572+00 and 1574+00. The failure is on a 5 to 10 percent slope that is above the right-of-way within an upland forest and the nearest resource is wetland W2ST-HA-114. No impacts to the wetland are anticipated to repair the slope failure. The failure begins off the right-of-way and has relocated earthen mounds and several trees. Additional trees behind the slip will need to be cut to make repairs. There are no other resources or nearby features that would prohibit the approval of the Variance Request.</p>
3/14/2018	BurgettstownLateral_14Mar2018_B L	51.3	51.3	Cleanup & Restoration	<p>While performing a post-construction walkthrough, the Compliance Monitor observed ECDs at capacity and about 1 to 2 cubic feet of sediment within stream S4H-CA-567. The material in the stream is within the LOD. The ECDs on the eastern side of the crossing are at capacity and have not been maintained. The last rain event occurred well over 48 hours ago. The Compliance Monitor met with the EI and reviewed photographs of the area. The EI said he had documented the site in a previous report; however, the contractor did not complete the repairs. The EI said he would write an Applicant NCR to document the issue and contacted the contractor who dispatched environmental crews immediately to make repairs.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/14/2018	BurgettstownLateral_14Mar2018_B L	50.5	51.7	Cleanup & Restoration	<p>The Compliance Monitor began the review of right-of-way stabilization between 2666+43 and 2728+69. Rough grade has been completed throughout this section. The area has been stabilized with seed and straw mulch. With the exception of one location, slope breakers and ECDs are in place. However, two drainage issues were observed near 2672+50 and 2678+00: - At 2672+00, there is an underground seepage that is surfacing on the southern edge of the right-of-way and is flowing into stream S2TB-CA-998 near station number 2672+75. The area is within the upland portion of the right-of-way as identified on the alignment sheets. The flow has created an erosion channel across the right-of-way that will need to be addressed. At 2678+00, there is a small ponded area (2 feet by 3 feet) that appears to have a spring and is collecting surface flow. The area is off the right-of-way and under the power lines that are adjacent to the northern edge of the right-of-way. It emanates from an upland portion and flows under the power lines for about 100 feet. The flow has created a channel until it reaches (and follows) the silt fence along the northern edge of the right-of-way. Then it enters the right-of-way, crosses through wetland W2TB-CA-256 and finally drains into stream S2TB-CA-998. The flow has created an erosion channel through the right-of-way. The site remains wet (even for foot traffic) and will need to be addressed when dry enough for equipment to make repairs. The Compliance Monitor met with the EI to review the site who said he would write up the area in a PAR and review the site with his superiors to assess it and create a plan for the water flow.</p>
3/14/2018	MainlineSpread C Pipe B_14Mar2018_GA	136.1	142.3	Other (see notes)	<p>The Compliance Monitor conducted a routine inspection and observed several dewatering structures that are old and in need of repair, though currently not in use. He advised the Lead EI that the structures should be repaired prior to being used again to avoid the possibility of sediment leaving the right-of-way, potentially resulting in a noncompliance. The Lead EI will coordinate the repairs with the contractor.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/14/2018	SenecaLateral_14Mar2018_GH	9.5	24.6	Cleanup & Restoration	Cleanup and restoration have been completed across the Seneca Lateral and the focus of this inspection was observations of various failures that have developed on the completed right-of-way. All of the observed failures have been documented and are slated for repairs when soil conditions are more suited for mechanical access. Two of the locations are requiring the acquisition of a variance to allow off-right-of-way repairs. Two other locations have failures that are co-located and are not the responsibility of Rover to repair. None of the observed failures have resulted in stream impacts.
3/14/2018	MainlineSpread D Pipe A_14Mar2018_SD	205.1	205.1	Post-construction Restoration	The Compliance Monitor spoke with a landowner regarding his complaint that he filed with the FERC on March 9, 2018. Ultimately, the landowner is dissatisfied with the level of communication that has been expressed by Rover. According to the landowner, a great majority of his complaints and problems could have been resolved prior to filing the letter if Rover had displayed a greater amount of, and quality of, communication with him. The Compliance Monitor explained activities both past and present, and informed the landowner of possible plans, and options of resolution for cleanup of his tracts leading into the future. The landowner replied that if Rover had informed him, and communicated with him in a similar manner, then he most likely would not have written the formal complaint. The Compliance Monitor informed the landowner that should he need further information regarding his properties and work conducted on them, to feel free to contact him; however, any concerns or issues that he may have in the future, he should still continue to file reports, or use the FERC hotline. The Compliance Monitor will continue to conduct follow-up reports on the landowner's properties throughout restoration.
3/15/2018	MainlineSpread B Pipe B_15Mar2018_GA	72.3	72.1	Other (see notes)	The Compliance Monitor reviewed a Level 2 variance where he noticed an issue with the requested location of the affected area as provided by Rover. The area requested by Rover is a 70 foot by 500 foot area next to the LOD to the north. The area is actually longer than that and further to the north. The variance was returned to Rover for clarification.

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/15/2018	BurgettstownLateral_15Mar2018_B L	46.9	50.5	Cleanup & Restoration	<p>The Compliance Monitor continued reviewing the right-of-way for stabilization issues between 2475+62 and 2666+43. Rough grade has been completed throughout this section. In general, this section of the right-of-way is stabilized with the exception of two areas identified at station numbers 2503+18 and 2599+00. At station 2503+18, stream S2ES-CA-217 is a typical riffle and pool system that ranges from 1 to 2 feet wide and about 1 inch deep. A slope failure on the western bank has deposited about 2 to 3 cubic yards of material in the stream and has flowed across the channel and blocked flow. The stream is currently flowing around the blockage. In addition, 2- to 4-inch rock from the culvert bridge crossing washed downstream. The material washed away during the last storm event on February 27, 2018. The affected area is within the right-of-way. No material was observed outside of the LOD. The slope on the northeast side of Deacon Road between station 2598+00 and 2600+00 has washed out. The EI said the area over the trench line subsided and rain events washed material down the slope. The area is within an upland forest. The slope terminates at the edge of Deacon Road. The Compliance Monitor explained that the location has not been stabilized and will need to be addressed as soon as possible. The EI said he would speak to the contractor to find out when the crews will stabilize the area.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/15/2018	SherwoodLateral_15Mar2018_GH	1.4	1.5	HDD	<p>The Compliance Monitor conducted a follow-up inspection to a PAR issued on March 10, 2018 for deficiencies found with installed sediment controls. In this inspection, it was observed that most of the deficiencies found have been corrected. Remedial actions were taken to stabilize areas associated with the access road to the HDD pad with the addition of rock and the installation of sediment control structures. Other areas with disturbed soils have been mulched and accumulated sediment against super silt fencing has been removed. Repairs for sediment containment were still needed on the pre-existing stream crossing for the access road to the HDD pad, as pointed out to the EI. The EI advised that he would contact environmental personnel to address the need. The flumed ephemeral drainage that was noted in the March 10, 2018 inspection in need of modification to better manage the discharge of the drainage has had a drain tile added to convey the drainage flow directly to the larger stream, S4H-DO-561. The tile installed was 6 inches in diameter, likely undersized for high flow scenarios. In addition, the installation was such that the entire flow through the flume was not being captured. After conversation with the Rover Utility Inspector assigned to the HDD operation, the installation was modified by the drilling contractor to more fully collect the discharge. The issue with compost filter sock found downstream and beyond the permitted boundary of the project area has not yet been addressed. In questioning the EI regarding the acquisition of a variance to allow the off-site retrieval, he was unaware of the status of the needed variance.</p>
3/15/2018	BurgettstownLateral_15Mar2018_B L	47.4	50.3	Cleanup & Restoration	<p>While performing a post-construction walkthrough, the Compliance Monitor observed that the contractor failed to maintain ECDs impacting four resources - wetland W2ES-CA-188, wetland W2ES-CA-165, stream/wetland S4ES-CA-133/W4ES-CA-134, and stream S2ES-CA-219. The Compliance Monitor met with the EI and reviewed photographs of the areas. The EI said he had documented the sites in a previous report; however, the contractor has not completed the repairs. The EI said he would write four separate Applicant NCRs to document the issues and contacted the contractor who dispatched environmental crews to make repairs before the end of the inspection.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/15/2018	SherwoodLateral_15Mar2018_GH	1.5	1.9	Cleanup & Restoration	<p>The Compliance Monitor conducted a walking tour of the right-of-way in the target area. Restoration has been completed in the area with the exception of the section immediately adjacent to the U.S. Route 50 HDD. Revegetation is considered moderate and the installed slope breakers are adequate in number. There are two small slope failures on the coming-in side of stream S1ES-DO-219 that will require mechanical repairs. The failures are known, with the larger of the two having been temporarily stabilized with the addition of straw mulch. The larger failure occurred immediately above a slope breaker, blocking the structure. An effort has been made to excavate a channel through the blockage to allow drainage. Sediment control fencing has been removed from the perimeter of the right-of-way, but there is no evidence of accelerated erosion that would result in off-right-of-way sediment concerns. In speaking with the EI, the repairs to the noted failures will be undertaken when the HDD is completed and will allow for mechanical access to the areas.</p>
3/15/2018	BurgettstownLateral_15Mar2018_B L	46.9	48.4	Cleanup & Restoration	<p>While performing a post-construction walkthrough, the Compliance Monitor observed that the contractor has improperly installed slope breakers at several locations between Amsterdam Road and Derry Road. The slope breakers were installed at steep angles and in some cases are parallel with the slope. They do not slow runoff down or direct it off the right-of-way into well vegetated areas or use energy dissipation devices. This failure to install/maintain slope breakers has impacted stream S2ES-CA-219 due to the failure at station 2505+00. The Compliance Monitor met with the EI and reviewed photographs of the areas who agreed that the slope breakers were not re-installed at correct angles and actually sped up the runoff. The EI said he would write an Applicant NCR to document the issue and would contact the contractor to make the necessary repairs.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/15/2018	BurgettstownLateral_15Mar2018_B L	9.1	9.1	Cleanup & Restoration	The Compliance Monitor received a phone call from the Lead EI regarding a slope failure at station 481+66 above stream S2STR-WA-119. The stream typically has a flow that is 8 to 10 feet wide. The material has completely blocked the channel and the stream is currently overflowing the area through a path that is 1 to 2 feet wide. The site is about 1,900 feet east of Aunt Clara Road. The Lead EI explained that the site was reviewed two days ago and no issues were observed at that time and the site appeared stable. The right-of-way is still very wet and vehicles are not able to get through to the stream. The Lead EI explained that the contractor obtained an emergency permit to haul equipment and will begin making repairs on March 16, 2018.
3/15/2018	BurgettstownLateral_15Mar2018_B L	0.0	0.0	Cleanup & Restoration	The Compliance Monitor spoke with the Lead EI regarding slip failures and areas with restoration failures. The Lead EI said he was not sure of all the locations because he does not have enough EIs to cover all the areas on the spread. In addition, he said the contractor does not have enough personnel onsite to address the issues in a timely manner. The Compliance Monitor informed the Lead EI that he would be writing a Communication Report identifying the issue.

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/15/2018	MainlineSpread D Pipe B_15Mar2018_SD	192.1	194.2	Cleanup & Restoration	<p>The Compliance Monitor received a phone call from a landowner regarding trench subsidence on his properties. Trench and associated road-bore bell hole subsidence in some places has sunk as deep as 2 feet. At the time of conversation, the landowner had not been contacted by, or received any communication with, Rover regarding subsidence repair. The Compliance Monitor informed the landowner that an attempt by Rover is being made to send out a mailer to all landowners acknowledging the subsidence issue and that plans are being made to correct the issue. The landowner was concerned that Rover would attempt to try to level the right-of-way rather than import topsoil. Leveling the right-of-way with 2-foot subsidence would cause a "thinning" of the overall topsoil depth and greatly decrease productivity. The landowner expressed the desire for Rover to import the needed topsoil as part of his contract. The Compliance Monitor advised the landowner that his property is not the only one affected and that a remediation plan of such a scale would take time. The landowner acknowledged the scope of the issue and was comforted that Rover is at least aware of the issue and is making plans to correct the matter. Currently, at least 90 percent of Spread D has shown some trench subsidence as shallow as 1 inch to as deep as 2 feet in some places. Market Segment Spread 7 is also showing signs of subsidence as well.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/16/2018	BurgettstownLateral_16Mar2018_B L	9.1	9.2	Cleanup & Restoration	<p>The Compliance Monitor performed a review of the slope failure above stream S2ST-WA-119 between stations 481+66 and 483+66. The affected area is about 60 feet wide by 184 feet long. The stream has an area that is about 20 feet by 20 feet that has been impacted by the spoil from the slope. There is a small location (3 to 5 feet) at the top of the failure that is outside of the LOD. The rest of the affected area is within the right-of-way. There is a slight flow of water that is surfacing within the failure near 482+50. The contractor mobilized laborers and brought in two tracked excavators to the site. Crews installed a dam and pump to transfer clear water across the repair site. The contractor will have the material removed today and plans to finish temporary stabilization before the end of the day tomorrow. The Compliance Monitor met with the EI to review the location who said that the slip contractor has been contacted, but will not be available to review the site until Monday. The EI said he would make sure the Pennsylvania regulatory agencies are notified about the issue. The Compliance Monitor asked the EI to provide the locations of the trench breakers installed on the slope. The EI said he would obtain the information from Survey and forward it on.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/16/2018	MainlineSpread D Pipe B_16Mar2018_SD	152.9	162.8	Other (see notes)	<p>The Compliance Monitor met with the Lead EI regarding two Level 1 Variance requests for the retrieval of off-right-of-way sediment. The first location is west of the South Fork of the Portage River. The second location is east of Ohio State Highway 587. Both segments of the right-of-way were flooded due to past rain events. The resulting floodwaters seceded causing erosion, rilling, and off-right-of-way sediment. According to the Lead EI, the variance requests will specify that crews will access the site via foot traffic and perform the cleanup by hand tools only. The Lead EI stated that the request to perform cleanup activities will most likely be submitted next week after landowner permission is acquired and the right-of-way is either dry or frozen. Secondly, the request to perform cleanup activities will most likely be submitted once the right-of-way dries or is consistently frozen as equipment will be needed to create a bridge across flowing drainages to allow for access to the cleanup site. The Compliance Monitor reminded the Lead EI that once approved, the off-right-of-way sediment should be removed within 48 hours or prior to the next rain event, whichever comes first. The Lead EI acknowledged the timeframe and stated that he would pass the message to construction personnel.</p>
3/16/2018	BurgettstownLateral_16Mar2018_B L	10.9	11.0	Cleanup & Restoration	<p>The Compliance Monitor received a phone call from a contractor who said preparations have been made to begin permanent stabilization of the slope east of Standish Hill Road between station numbers 574+97 and 579+02. He explained that One-Call has been completed and they will begin to mobilize equipment to the site on Monday or Tuesday. They will begin making repairs within the right-of-way according to recommendations and complete the portions outside of the right-of-way when they receive approval for the Variance Request to clear trees. In addition, the contractor said a helicopter will be flying the right-of-way on Sunday and videotaping the entire spread, and that the video would be supplied to the FERC.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/16/2018	SherwoodLateral_16Mar2018_GH	26.8	27.3	Cleanup & Restoration	<p>The Compliance Monitor conducted a walking tour of the right-of-way in the target area. While restoration on some of the observed right-of-way could be considered complete, other sections would need to be considered rough cleanup only and additional work is needed. More significant deficiencies were found in the area of stream S1ES-TY-142. Several areas were found showing accelerated erosion resulting in significant sediment accumulation against installed control structures. No evidence was found of impact to the stream as a result of the sediment accumulation. At the conclusion of the inspection, the Lead EI was contacted and advised of the inspection findings. The Lead EI reported that the deficiencies had been identified and have been included on a punchlist submitted to the contractor to address. Follow-up inspections will be conducted to ensure completion of the needed repairs.</p>
3/17/2018	BurgettstownLateral_17Mar2018_B L	9.1	9.2	Cleanup & Restoration	<p>The Compliance Monitor performed a follow-up inspection of the slope failure above stream S2ST-WA-119 between station numbers 481+66 and 483+66. The contractor removed the material from the stream and restored the flow to the stream yesterday. Crews plan on completing temporary stabilization of the banks before the end of the day today. Geotechnical specialists will review the site on Monday to develop a permanent stabilization solution.</p>
3/17/2018	BurgettstownLateral_17Mar2018_B L	11.6	12.3	Cleanup & Restoration	<p>The Compliance Monitor continued the stabilization walkover in West Virginia between 615+00 and 651+00. The section is stabilized; however, erosion was observed at several areas which will need to be repaired. The slope breakers are in place, but will need maintenance. With the exception of the noncompliance as further discussed, the ECDs are in place and functioning. ECDs on the southeast corner of the bridge crossing over stream S2ES-HA-154 are overwhelmed by material pushed up from the travel lane. Mats were observed sunken into the travel lane indicating very wet conditions during the last activity. The material extends to the water's edge and will need to be removed. No material was observed in the stream from this area. The Compliance Monitor spoke with the Lead EI regarding the failure to maintain ECDs at a sensitive resource, and informed him that this is not in compliance with the Plan. The Lead EI said he would write an Applicant NCR to document the issue.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/17/2018	MainlineSpread C Pipe B_17Mar2018_GA	109.2	109.2	Post- construction Restoration	The Compliance Monitor conducted a routine inspection of the right-of-way between Highway 61 and Stiving Road where a slip was observed on the right-of-way. The high bank on the right-of-way has started to slip. The affected area is about 80 percent of the right-of-way and contained within the right-of-way at the time of the inspection. This area should have been located before now, and may be indicative of too few EIs on this spread.

REPRESENTATIVE PHOTOS



New and repaired sections of silt fence on the right-of-way – Acceptable (Mainline B, MP 54.3 – March 12, 2018).



Installed equipment bridge at stream S7H-TY-304 with excessive sediment in need of cleaning – Problem Area (Sherwood, MP 22.0 – March 13, 2018).



Newly found failure on completed right-of-way – Communication (Seneca, MP 9.5 – March 14, 2018).



Sediment in wetland W2ES-CA-188 – Communication Applicant NCR (Burgettstown, MP 48.4 – March 15, 2018).



Unstable slope above Deacon Road – Communication (Burgettstown, MP 49.2 – March 15, 2018).



Accelerated erosion above stream S1ES-TY-142 – Communication (Sherwood, MP 27.3 – March 16, 2018).

VARIANCES

Below is a summary of the variances approved for the Project during this reporting period.

FERC Approval Number	Variance Level	Location (Spread)	Location (MP)	Variance Description	Net Acres	Forest Impacts (Acres)	Date FERC Approved	Stipulations / Comments
L2_SW-1-20180305_KMS	2	Sherwood Lateral	23.2	Rover requests approval to work outside the approved LOD to repair and remediate a slip near station 1226+00. This slip area is site specific and will be addressed using standard pipeline construction equipment, benching techniques, and other devices such as drain tiles, rip rap, rocked french drains, aerial seeding, etc. on an as needed, site specific basis. The landowner will be compensated by Rover for any tree loss or other property damages caused during the slip repair and restoration. The slip repair area is wholly within the original environmental study corridor and extends about 224 feet along the eastern side of the LOD and extends out about 82 feet at its widest point.	0.29	As Needed	3/12/2018	<p>1) Any sheet piling or other permanent structures installed as part of the repair must be disclosed to the landowner for approval.</p> <p>2) Tree cutting is limited to those trees that pose a safety risk, were damaged by the slip, or removal is required to complete the repair.</p> <p>3) All work is limited to the area identified within the associated variance map.</p> <p>4) All other federal, state, and local permit requirements apply.</p>

FERC Approval Number	Variance Level	Location (Spread)	Location (MP)	Variance Description	Net Acres	Forest Impacts (Acres)	Date FERC Approved	Stipulations / Comments
L2_SW-2-20180305_KMS	2	Sherwood Lateral	18.0	Rover requests approval to work outside the approved LOD to repair and remediate a slip near station 950+00. This slip area is site specific and will be addressed using standard pipeline construction equipment, benching techniques, and other devices such as drain tiles, rip rap, rocked french drains, aerial seeding, etc. on an as needed, site specific basis. The landowner will be compensated by Rover for any tree loss or other property damages caused during the slip repair and restoration. The slip repair area is wholly within the original environmental study corridor and extends about 226 feet along the eastern side of the LOD and extends out about 78 feet at its widest point.	0.2	As Needed	3/12/2018	<p>1) Any sheet piling or other permanent structures installed as part of the repair must be disclosed to the landowner for approval.</p> <p>2) Tree cutting is limited to those trees that pose a safety risk, were damaged by the slip, or removal is required to complete the repair.</p> <p>3) All work is limited to the area identified within the associated variance map.</p> <p>4) All other federal, state, and local permit requirements apply.</p>

FERC Approval Number	Variance Level	Location (Spread)	Location (MP)	Variance Description	Net Acres	Forest Impacts (Acres)	Date FERC Approved	Stipulations / Comments
L2_SW-1-20180306_KMS	2	Sherwood Lateral	37.18, 37.3	Rover requests approval to work outside the approved LOD to repair and remediate two slips near stations 1962+00 and 1969+50. The slip areas are site specific and will be addressed using standard pipeline construction equipment, benching techniques, and other devices such as drain tiles, rip rap, rocked french drains, aerial seeding, etc. on an as needed, site specific basis. The landowner will be compensated by Rover for any tree loss or other property damages caused during the slip repair and restoration activities at these sites. The slip repair areas are wholly within the original environmental study corridor and the slip at 1962+00 extends about 156 feet along the eastern side of the LOD and extends out about 105 feet at its widest point while the slip at 1969+50 extends 376 feet along the northern edge of the LOD and about 150 feet out from the approved LOD at its widest.	0.27; 0.75	As Needed	3/12/2018	<p>1) Any sheet piling or other permanent structures installed as part of the repair must be disclosed to the landowner for approval.</p> <p>2) Tree cutting is limited to those trees that pose a safety risk, were damaged by the slip, or removal is required to complete the repair.</p> <p>3) All work is limited to the area identified within the associated variance map.</p> <p>4) All other federal, state, and local permit requirements apply.</p>

FERC Approval Number	Variance Level	Location (Spread)	Location (MP)	Variance Description	Net Acres	Forest Impacts (Acres)	Date FERC Approved	Stipulations / Comments
L2_SW-1-20180308_KMS	2	Sherwood Lateral	16.1, 16.2	Rover requests approval to work outside the approved LOD to repair and remediate two slips near stations 849+00 and 853+00. The slip areas are site specific and will be addressed using standard pipeline construction equipment, benching techniques, and other devices such as drain tiles, rip rap, rocked french drains, aerial seeding, etc. on an as needed, site specific basis. The landowner will be compensated by Rover for any tree loss or other property damages caused during the slip repair and restoration activities at these sites. The slip repair areas are wholly within the original environmental study corridor and the slip at 849+00 extends about 551 feet along the northeastern side of the LOD and extends out about 81 feet at its widest point while the slip at 853+00 extends 1088 feet along the southwestern edge of the LOD and about 125 feet out from the approved LOD at its widest.	0.6; 1.91	As Needed	3/12/2018	<p>1) Any sheet piling or other permanent structures installed as part of the repair must be disclosed to the landowner for approval.</p> <p>2) Tree cutting is limited to those trees that pose a safety risk, were damaged by the slip, or removal is required to complete the repair.</p> <p>3) All work is limited to the area identified within the associated variance map.</p> <p>4) All other federal, state, and local permit requirements apply.</p>

FERC Approval Number	Variance Level	Location (Spread)	Location (MP)	Variance Description	Net Acres	Forest Impacts (Acres)	Date FERC Approved	Stipulations / Comments
L2_BG-1-20180309_KMS	2	Burgettstown Lateral	11.0	Rover requests approval to work outside the approved LOD to repair and remediate a slip near station 577+00. This slip area is site specific and will be addressed using standard pipeline construction equipment, benching techniques, and other devices such as drain tiles, rip rap, rocked french drains, aerial seeding, etc. on an as needed, site specific basis. The landowner will be compensated by Rover for any tree loss or other property damages caused during the slip repair and restoration. Any effects to the perennial stream (North Fork) at this location will be repaired and the stream restored to its pre-slip conditions to the extent practicable. The slip repair area is wholly within the original environmental study corridor. The slip area extends off both the north and south sides of the approved LOD. The north side extends about 591 feet along the LOD and extends out about 84 feet at its widest point. The south side area extends about 556 feet along the LOD and extends about 113 feet out from the LOD edge at its widest point.	1.57	As Needed	3/16/2018	<p>1) Any sheet piling or other permanent structures installed as part of the repair must be disclosed to the landowner for approval.</p> <p>2) Tree cutting is limited to those trees that pose a safety risk, were damaged by the slip, or removal is required to complete the repair.</p> <p>3) All work is limited to the area identified within the associated variance map.</p> <p>4) All other federal, state, and local permit requirements apply.</p>

CONSTRUCTION PROGRESS – Estimated from Compliance Monitor Reports and Contractors’ Scatter Sheets

Milepost	Sherwood Lateral	CGT Lateral	Seneca Lateral	Berne Lateral	Clarrington Lateral	Majorsville Lateral	Burgettstown Lateral	Cadiz Lateral	Mainline Spread 1	Mainline Spread A	Mainline Spread B	Mainline Spread C	Mainline Spread D	Market Spread 7	Market Spread 8	% Complete
Tree Felling																100%
Clearing																100%
Grading																100%
Trenching																99%
Stringing																99%
Bending																99%
Welding																99%
Lowering																99%
Backfilling																99%
Rough Clean-up																87%
Final Clean-up/Restoration																60%
Tie-ins																99%
Compliance Monitor Reports																
Aboveground Facilities ¹ & Specialized Crossings	Sherwood CS CGT Tie-in Sherwood Receipt	CGT Delivery	Seneca CS Sherwood Tie-In 3 New MS	Berne Receipt	Clarrington CS Cadiz Tie-in Majorsville Tie-In	Majorsville CS Majorsville Receipt	Burgettstown CS	Cadiz CS	Mainline CS 1		Mainline CS 2	Mainline CS 3	ANR Delivery	Defiance CS	Consumers Energy Delivery	
Notes: CS = Compressor Station, MS=Meter Station																
¹ MLVs are located along each of the laterals and mainlines																

Legend	Activity This Week/ Incomplete		Activity Complete		Not Applicable		Compliance Monitor Reports
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