



**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 24, 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	13	2,092
Communication	34	1,359
Problem Area	4	415
Noncompliance	1	635
Serious Violation/Stop Work Order	0	2
Level 1 Variance Approvals	1	79
Level 2 Variance Approvals	2	184
Level 3 Variance Approvals	0	19
Total Reports	55	4,785

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
	3/18/2018	3/19/2018	3/20/2018	3/21/2018	3/22/2018	3/23/2018	3/24/2018	
Middlebourne ¹	0.00	0.00	0.32	0.53	0.01	0.00	0.00	0.86
Wheeling ²	0.00	0.00	0.00	0.74	0.09	0.00	N/A	0.83
Uhrichsville ³	0.00	0.00	0.00	0.27	0.05	0.00	0.00	0.32
Dover ⁴	0.00	N/A	0.00	0.06	N/A	N/A	0.00	0.06
Wooster ⁵	0.01	0.00	0.00	0.10	0.02	0.00	0.00	0.13
Bucyrus ⁶	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.45
McClure ⁷	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.04
Morenci ⁸	0.00	0.00	0.00	N/A	N/A	N/A	N/A	0.00
Chelsea ⁹	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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 one noncompliance report (NCR) during this reporting period.

Date	Location	Milepost	Report Summary
3/24/2018	Mainline Spread A Pipe B	53.4	A 3-inch water pump was sitting 3 to 4 feet from the water's edge. The secondary containment is not large enough for the pump. The frame of the pump is outside of the containment and pushing the containment flat.

Problem Areas:

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

Date	Location	Milepost	Report Summary
3/19/2018	Sherwood Lateral	16.1	In several locations, stormwater outlets on the lower side of the right-of-way show excessive sediment accumulation that needs to be removed. At one location in particular, a sediment trail was seen beyond the limit of disturbance (LOD). At present, the saturated soil conditions would be problematic for mechanical repairs, but there are short term corrective actions that can be undertaken.
3/20/2018	Burgettstown Lateral	46.3	Material from the eastern bank of stream S2ES-CA-167 has slumped and deposited material along the edge of stream. The material encroaches into the stream between 0.5 and 1 feet. The flow is slightly constricted, but not impeded. Contours for the bank will need to be restored and the bank will need to be stabilized. The Lead EI said the area has been identified and the contractor will temporarily address the site with a mini excavator and hand tools to stabilize the site until heavy equipment can access the right-of-way for permanent repairs.
3/20/2018	CGT Lateral	2.8	The bridge at this location was stressed with sediment and stormwater accumulation. There is no current construction traffic across the bridge, but, as long as the bridge is in place, it needs to be maintained.
3/24/2018	Mainline Spread A Pipe B	48.3	There are several areas near the Sugar Creek crossing east of Lawndell Road with erosion and silt fence that is undermined. Sediment migrated off-right-of-way in two locations where it followed the silt fence on the wetland boundary. At the crossing, the undisturbed stream bank on the north side of the right-of-way eroded back into the right-of-way due to a sharp bend in the stream and flooding at this location. The affected area is about a 15 to 18 foot half circle inside of the right-of-way. There was also a piece of steel inside of the hole that needs to be removed and disposed of, as well as some erosion controls in need of repair.

Rover Issued

Noncompliances:

The Environmental Inspectors informed the Compliance Monitors of five 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 one self-reported (Rover-issued) PAR 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
3/19/2018	BurgettstownLateral_19Mar2018_BL	16.6	16.7	Cleanup & Restoration	The Compliance Monitor performed a routine inspection of the slope above stream S1ES-JE-194 between station numbers 875+00 and 880+00. The contractor has maintained slope breakers, erosion control devices (ECDs) and stabilized the slope with mulch by hand. Crews are working on slip repairs near station number 900+00 and are working their way east towards 875+00. The Compliance Monitor spoke with the Lead EI regarding repairs to the slope above the stream; the Lead EI said the crews will make repairs to the slope as they work through the area. The Lead EI explained that the inspection team is monitoring the slope daily and making repairs after each rain event.
3/19/2018	BurgettstownLateral_19Mar2018_BL	17.6	17.6	Cleanup & Restoration	The Compliance Monitor reviewed the restoration failure above stream S4ES-JE-184 at station numbers 929+00 and 931+00. The protective plastic barrier and ECDs remain in place. No impacts were observed to the stream or off the right-of-way. The Compliance Monitor spoke with the EI while onsite who had reviewed the site with geotechnical consultants. The EI explained that the geotechnical consultants are assessing the site to determine repair requirements and will supply Rover with a preliminary report by Wednesday and follow-up with a final report after obtaining survey data.

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/19/2018	BurgettstownLateral_19Mar2018_BL	17.8	17.9	Cleanup & Restoration	<p>The Compliance Monitor reviewed the slope failure above stream S4ES-JE-183 (Croxtan Run). There are two unstable areas in this section: Between 940+28 and 941+50, there is a 150-foot long washout on the southern edge of the right-of-way. The washout begins on a steep slope within an upland forest and extends to the floodplain that is within 50 feet of Croxtan Run (940+28). The washout has deposited about 106 to 320 cubic yards of material (72 feet long by 40 feet wide by 1 to 3 feet deep) off the southern edge of the right-of-way. Similar looking material and conditions were observed upstream of the area due to the depth of the past storm and flooding event. Certainly some of the material in the stream is from the right-of-way. However, the Compliance Monitor was unable to quantify the amount in the stream from the right-of-way compared to natural material shifting through the stream system during the flooding event. Considering the amount remaining in the floodplain, it would seem a minor amount is from the right-of-way. In addition, there is a slope failure near station number 945+00. This site is on the northern side of the right-of-way and is moving towards the northern edge of the LOD. No material was observed off the right-of-way. The Compliance Monitor spoke with the EI regarding both the sites; the EI said geotechnical consultants and survey crews just finished reviewing and installing stakes around the sites. The EI said Rover will submit a Level 2 Variance Request to retrieve the material due to the proximity to the stream. In addition, the EI said the geotechnical consultants are assessing the sites to determine repair requirements and will supply Rover with a preliminary report by Wednesday and follow-up with a final report after obtaining survey data.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/19/2018	MainlineSpread A Pipe B_19Mar2018_GA	38.2	38.2	Other (see notes)	The Compliance Monitor conducted an inspection on the east side of Gracemont Road after receiving a call from the Lead EI regarding an oily substance on the water. The oily substance is coming up within the center of the right-of-way causing an oil sheen throughout the wetland and flooded area. The environmental crew went to the location where it is surfacing in the water and installed oil booms around the area. The Ohio Environmental Protection Agency (OHEPA), Ohio Department of Natural Resources (ODNR), Dominion Gas, Buckeye Gas, and Evenvest Gas were all onsite because Rover feels that the oil is coming from another gas company. The OHEPA representative went out by boat to get a sample of the affected area. He determined that it is indeed oil surfacing at this location and will coordinate with the gas companies to determine whose it is.
3/19/2018	CompressorStation _19Mar2018_GA	19.0	19.2	Other (see notes)	The Compliance Monitor conducted an inspection at Mainline Compressor Station 1. On December 5, 2017, as part of Rover's In-Service Request, Rover submitted a list of tasks that were not yet complete at the compressor station. Rover committed to completing these items by specific time periods ranging from mid December 2017 to the beginning of February 2018. The list included: 1) installation of a 12-foot wide rock channel between the valve site and the compressor site (complete), 2) removal of trash and materials on site (partially complete); there is still some construction debris within the fence area that staff stated should be cleaned out by March 23, 2018, 3) the area that was disturbed by the electrical contractor (incomplete), 4) final removal/restoration of the spoil pile (incomplete), and 5) restoration of two parking areas on the east side of the site by January 1, 2018 (only one of the parking areas has been restored to date, no restoration has begun on the second site), 6) the construction trailer site has not been restored and the trailers remain onsite, and 7) final rocking of the compressor station was supposed to be completed by December 8, 2017; however, there are still areas that are in need of rock throughout the site. All fencing around the site has been completed. The construction manager stated that the office trailers will be removed late this week or next week. He also stated that there will be a meeting between Rover and the contractor to develop a plan for the continued erosion issues at the site.

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/19/2018	SherwoodLateral_19Mar2018_GH	15.7	15.7	Other (see notes)	The Compliance Monitor conducted a follow-up inspection on an existing landslide. This is a massive slope failure that extends an estimated 500 to 800 feet off-right-of-way. A large number of trees have been toppled by the slide and the toe of the debris field is encroaching into an ephemeral stream. As noted, this is a known failure and Rover is aware of the need to obtain a Level 3 variance to conduct repairs. The status of variance acquisition is not known and, in speaking with the Rover EI assigned to this area of the right-of-way, he does not have any information on the needed variance request. No corrective actions have been attempted for the failure.
3/19/2018	MarketSpread 8_19Mar2018_SD	62.6	62.7	Hydrostatic Testing	The Compliance Monitor met with the Lead EI regarding a Level 1 Variance review at the River Raisin HDD site. The variance request asks for the construction of an off right-of-way dewatering structure near the River Raisin HDD drill rig. The area requested is a triangle shape upland section of hilltop within the survey corridor. The structure will be a combination of hay bales, geotextile fabric, pipe-rail gates (as a frame) and plastic sheeting as a runner. The plastic runner will extend from the structure back towards the permanent easement to control outflow from the structure back to the River. Landowner permission was obtained. The variance was approved and signed in the field.
3/19/2018	MarketSpread 7_19Mar2018_SD	35.2	35.2	Other (see notes)	The Compliance Monitor noted a severe impact to the topsoil of MI-LE-030. Drain tile installation had been conducted while the tract was saturated, leaving ruts with no separation of topsoil. The Compliance Monitor contacted the Lead EI who informed him that the work had been conducted by Lenawee County to clear a drain tile main which was thought to be cause of nearby flooding. The work had been conducted and discovered by the Lead EI last week.

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/20/2018	BurgettstownLateral_20Mar2018_BL	10.9	11.0	Cleanup & Restoration	<p>The Compliance Monitor performed a routine inspection of the slope east of Standish Hill Road between station numbers 575+00 and 579+00 prior to the commencement of repairs to the slope. The base of the slope terminates at stream S3ES-HA-272. The sand bags installed at the base of the slope remain intact and provide a protective barrier between the stream and material from the slope. No change to the material accumulated at the base of the slope was observed. The Compliance Monitor spoke with the Lead EI regarding repairs to the slope; the Lead EI said the contractor began moving equipment to the site yesterday and is planning to re-install a larger bridge with a rock and flume crossing to protect the stream. In addition, crews may begin tree clearing (per the approved Level 2 Variance Request) tomorrow. The Lead EI explained that Rover wants to make sure all parties understand their roles to repair the slope. The contractor is coordinating with the three subcontractors hired to make the repairs. He believes the repairs will commence on Friday March 23, 2018 after the formal plan is reviewed and understood by all parties.</p>
3/20/2018	MainlineSpread B Pipe B_20Mar2018_GA	95.8	95.5	Other (see notes)	<p>The Compliance Monitor conducted a routine inspection at the Black Fork Mohican River. The environmental crew is removing the sand bags that contained the inadvertent release (IR) that occurred during the drill. The crew is removing the sand bags by hand, loading them into a small morooka, and hauling them to the drill pad. The Compliance Monitor contacted the Lead EI regarding debris outside the south side of the right-of-way from flooded conditions that finally receded back into the banks of the Black Fork Mohican River; a variance will be needed to retrieve the debris.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/20/2018	MainlineSpread B Pipe B_20Mar2018_GA	77.2	77.4	Other (see notes)	<p>The Compliance Monitor conducted an inspection at compressor station 2. Several locations had been identified at the site that needed to be regraded and graveled by April 30, 2018; the areas have been smoothed out with a skid steer, but no rock has yet been added. Another issue was the retention pond rill erosion that was estimated to be repaired by April 30, 2018; no repairs have yet been made to the pond. Backfilling around the filter separators needed to be completed by March 9, 2018 and has been done. Rock needed to be installed in the drainage channel that traverses the site by March 9, 2018 weather permitting, but has not been installed at this time. The last action item was the fingerwashes on the west slope that need to be regraded and reseeded by April 18, 2018, and has not yet been completed. The Compliance Monitor talked to the construction manager onsite and inquired about the rock that was supposed to be installed in the drainage channel. He agreed that it was supposed to be done and isn't, and hopes that this report might prompt the required funding to complete the items that were submitted in the letter to FERC.</p>
3/20/2018	MainlineSpread B Pipe B_20Mar2018_GA	69.4	69.7	Post-construction Restoration	<p>The Compliance Monitor conducted an inspection in response to landowner concerns. The Compliance Monitor met with the landowners at their residence on Batdorph Road and received a copy of their letter of concerns and soil and water erosion remediation plan for 2018. The landowners and Compliance Monitor inspected the areas of concern. First, there is erosion on and off the right-of-way and they'd like to know when and how the repairs will be made, including stabilization. Next, there are concerns that installed erosion controls are actually channeling the water and causing erosion. Also, the landowners would like the right-of-way re-ripped at a depth of 16 inches in both directions throughout the entire right-of-way when right-of-way conditions are dry, likely sometime between July and August. Before a variance can be signed, Rover needs to have a written agreement with the landowners.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/20/2018	MarketSpread 7_20Mar2018_SD	13.0	13.1	ECD Installation	<p>On February 27, 2018, a Level 1 Variance was signed to return off-right-of-way sediment back to the approved right-of-way limits on tract OH-FU-008. Additional sediment remains about 600 feet off-right-of-way as reported in a March 12, 2018 report; however, according to the Lead EI, Rover has not yet confirmed if they will assume responsibility for cleanup. On this date, the Compliance Monitor was informed by the Lead EI that a meeting with the landowner has been scheduled for tomorrow at 1300 to discuss the cleanup and how it will commence. The Compliance Monitor was asked to attend the meeting and will report all decisions and concerns as a result.</p>
3/20/2018	MainlineSpread D Pipe B_20Mar2018_SD	180.1	180.1	Hydrostatic Testing	<p>The Compliance Monitor was informed by the Lead EI that a hydrotest crew have begun to move in to Jackson Cutoff Ditch to begin withdrawal of water for the future hydrotest. The test will include the section of pipe from Jackson Cutoff Ditch to the Highway 109 HDD. During today's inspection, although equipment and materials have been set up, no personnel were onsite and compressors used for the test were not operating. ECDs for the site are currently functional and a new secondary containment for the intake pump has been created out of thick plastic and hay bales. The Compliance Monitor will conduct a follow-up inspection once water withdrawal occurs.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/20/2018	MarketSpread 7_20Mar2018_SD	35.8	36.1	Post-construction Restoration	<p>The Compliance Monitor was contacted by the Lead EI regarding off-right-of-way sediment and erosion on tract MI-LE-034. The Lead EI informed the Compliance Monitor that, during an aerial drone inspection of the right-of-way last week, he had noted severe flooding of the tract and expected off-right-of-way sediment. Currently, the right-of-way within the tract has dried enough to access. The Compliance Monitor conducted a field inspection of the tract today and found that he was correct: two separate areas of off-right-of-way sediment from a multi-faced slope were observed. The first is between two hills and has deposited at least 2 to 3 cubic yards of sediment off-right-of-way to the northeast. The associated rills in this area are at least 6 inches wide and 2 feet deep. The second area is to the west and still underwater; the amount of off-right-of-way sediment cannot be determined until it dries. After the inspection, the Compliance Monitor contacted the Lead EI and informed him of the off-right-of-way sediment. The Lead EI stated that he was contacted by the Project Land Agent who had spoken with the landowner. According to the Land Agent, the landowner does not want the rills repaired, nor does he want the off-right-of-way sediment returned. The only concern that he had was a drain tile that he believes to be clogged and wants repaired. Since the landowner does not want the rills repaired, or the off-right-of-way sediment returned, crews will not repair the right-of-way or return the sediment at this location.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/21/2018	MarketSpread 8_21Mar2018_SD	65.3	65.7	ECD Installation	<p>The Compliance Monitor conducted an inspection in response to a formal complaint submitted to the FERC by a landowner. The landowner describes an "ephemeral stream that Rover did not delineate during its application process. As there are no sediment barriers in place (ECDs), the flow of water is eroding precious topsoil and depositing it directly into the watershed." Prior to the inspection, the Compliance Monitor reviewed the Project alignment sheets and noted an "upland drainage" called out at station 3449+03 which would place the drainage within MI-WA-044. However, during the onsite inspection, it was noted that the drainage path is about 50 to 60 feet south (within MI-WA-043.0). The drainage has no established bed or bank either through the right-of-way, upstream, or down. The adjacent off-right-of-way is woody upland and seems to act as a watershed to both streams S2K-WA-202 and S2K-WA-203. There is rilling across the right-of-way which measures about 3 to 4 inches wide and 1 to 2 inches deep. The amount of visible off-right-of-way sediment is minor. Retrieval could do more damage to the off-right-of-way upland than if it were to be left in place. The second area of concern as described by the landowner is "a perennial stream (S2K-WA-202) crossing located at the southwest corner of tract MI-WA 044.000. A significant portion of the stream bank has sloughed off underneath erosion control matting into the streambed." A field inspection of the stream indicates no erosion of the bank into the streambed; however, the bank is beginning to sink into itself as the trench settles. During the inspection, the Compliance Monitor did not see any evidence of sediment pushing out beyond the installed Curlex, nor sediment in the creek. The creek is flowing and the water is clear with high visibility. The surrounding bank showed evidence of recent high water/flooding as seen in the grasses on the adjacent bank. The grasses appeared to be laid down by the high water and came up the bank at least 2 feet. The Compliance Monitor contacted the Lead EI who had conducted a right-of-way survey through associated tracts the day prior to the posting of the official complaint. The Lead EI said he was already aware of the need for erosion controls and had contacted the environmental crew foreman. Crews are expected to begin installation of the ECDs as early as tomorrow. The Compliance Monitor will conduct a follow-up inspection to confirm that the ECDs have been installed.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/21/2018	MainlineSpread D Pipe B_21Mar2018_SD	190.5	201.0	HDD	The Compliance Monitor spoke with the Lead EI regarding the Highway 109 and Maumee River HDDs. The Lead EI said the Highway 109 HDD crew has decided to jump from the 30-inch ream to the 42-inch ream in an attempt to shorten the drill time to pull the pipe. The Lead EI also informed the Compliance Monitor that today the Maumee River HDD crew will complete the 64-inch ream and will attempt to pull the "dummy pipe" tomorrow morning. If there is no visible damage to the "dummy pipe", then the crew will attempt to pull the mainline pipe on the weekend.
3/22/2018	SherwoodLateral_22Mar2018_GH	37.9	37.9	Other (see notes)	The Compliance Monitor conducted a review of a Level 2 variance request, SW-2-20180321. The application has been submitted to allow Rover to remediate landslide conditions that have migrated beyond the permitted right-of-way boundaries. The right-of-way through this area is essentially a side slope. The slide areas identified at stations 1998+75 and 1999+00 are on the upgradient side of the right-of-way. The de-stabilized area is extensive and proposed corrective actions being discussed involve the installation of a retaining wall. Numerous water sources were observed in the failing area and will need to be managed as part of the corrective action. The failure on the downgradient side of the right-of-way is not as extensive but is beyond the permitted boundary. All of the failed areas will require the removal of trees. There is no objection to the variance request.
3/22/2018	BurgettstownLateral_22Mar2018_BL	27.4	27.4	Cleanup & Restoration	The Compliance Monitor spoke with the EI regarding video footage taken on Sunday March 18, 2018 of wetland W2ST-JE-109 that showed no ECDs installed to protect the wetland. The EI said he saw the video also and is writing a NCR to document the failure to protect the wetland. In addition, he explained that the contractor has been instructed to install ECDs at the wetland today. The Compliance Monitor will conduct a follow-up inspection to confirm completion.
3/22/2018	BurgettstownLateral_22Mar2018_BL	18.3	18.3	Cleanup & Restoration	The Compliance Monitor spoke with the EI regarding video footage taken on Sunday March 18, 2018 of stream S4ES-JE-175 that shows no resource restored between 965+25 and 968+00. The EI said he also saw the video and is writing a NCR to document the failure to restore the stream. In addition, he explained that he spoke to the contractor and the contours will be restored as soon as possible. The Compliance Monitor will conduct a follow-up inspection to confirm completion.

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/22/2018	MainlineSpread C Pipe B_22Mar2018_GA	142.7	142.7	HDD	<p>The Compliance Monitor conducted an inspection of an IR on the west side of the Sandusky drill. When the Compliance Monitor arrived onsite, he noted that the contractor installed silt fence about 225 feet outside of the right-of-way to contain the release of drilling fluid. The contractor had also started to clean up the area on-right-of-way. It had been reported by the third-party inspector that 10,000 to 13,000 gallons of drilling mud were released. The Compliance Monitor estimated that the release amount was between 2,000 and 3,000 gallons based on his onsite observations. The Compliance Monitor was unable to reach the contractor for confirmation. The drilling contractor forgot to install a cap to keep the drilling mud in the drill stem allowing drilling mud to flow out of the stem. This ran for about 40 minutes, drilling mud running down and off the right-of-way. The Compliance Monitor coordinated with the Lead EI and informed him that a Level 1 variance will be needed to clean up the area. The Lead EI is writing an applicant PAR for the release. He also mentioned that the drilling crews will be retrained.</p>
3/22/2018	MainlineSpread A Pipe B_22Mar2018_GA	53.4	53.4	HDD	<p>The Compliance Monitor conducted an inspection of an IR on the west side of the Highway 241 drill. The release surfaced on the Utopia Pipeline right-of-way, about 3,000 to 4,000 gallons. The drilling mud flowed down the hill from the adjacent Rover right-of-way, spreading to the Utopia right-of-way, as well as to the north about 150 feet and about 50 feet wide. The drilling mud was contained by erosion controls that were in place from an earlier IR. The drill rig was not drilling at the time of the inspection and. The environmental crew, along with the drillers, are working to clean up the drilling mud. They are using 3-inch pumps, along with vacuum trucks, to clean up the area. At this time, no drilling mud had entered stream S7H-WA-175. The drill is 3 or 4 joints from finishing the 36-inch reamer pass. The contractor made proper notifications and followed the contingency plan. The OHEPA was also onsite to document the issue and take samples.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/22/2018	MainlineSpread A Pipe B_22Mar2018_GA	42.2	42.2	HDD	<p>The Compliance Monitor conducted an inspection of an IR within the wetland of the original release site on Line A at the Tuscarawas River HDD. The estimated amount was 1,000 gallons, but by the time the release was stopped, the reported amount had increased to about 3,000 gallons. The contractor had left erosion controls (i.e., silt fence) installed in the wetland to contain any potential releases on Line B. The release came up inside the containment and flowed for about 150 feet, spanning about 15 feet wide. When the Compliance Monitor arrived onsite, the environmental crew had already completed cleanup of the drilling mud. The drill was about 6 or 7 joints from getting the 42-inch reamer out from this pass. The contractor did continue to drill and finished the pass without any more returns entering the release point. The Compliance Monitor was also informed by the Lead EI that the plan is to get the reamer out and go back downhole with a pill of approved additives to try to seal off the release point. The contractor properly followed the contingency plan; the site is in compliance at this time.</p>
3/22/2018	MarketSpread 7_22Mar2018_SD	43.5	43.5	Post- construction Restoration	<p>On March 2, 2018, the Compliance Monitor conducted an inspection of MI-LE-075.0. The tract was flooded and stormwater runoff was flowing off right-of-way depositing sediment off-right-of-way as well. A Level 1 Variance was signed to retrieve the sediment, but retrieval did not occur since the area was still flooded. On this date, the Compliance Monitor was contacted by the Lead EI to inform him that the tract has dried enough to begin retrieval of the sediment; however, the tract is still draining and not all of the sediment was removed. The Compliance Monitor conducted a follow-up inspection of the tract and noted that a crew had removed about half of the sediment by hand. The area is still draining and an additional effort will need to be made to remove the final amounts of off-right-of-way sediment. The Compliance Monitor will continue to monitor that area until all of the off-right-of-way sediment is removed.</p>
3/23/2018	MainlineSpread C Pipe B_23Mar2018_GA	142.7	142.7	HDD	<p>The Compliance Monitor contacted the inspector to discuss the volume of drilling mud that was released at this location. He stated that his amount of 10,000 to 13,000 gallons came from a source on the drill rig site and that was what he included in his report. He also said that, today, the Lead EI provided a different volume of 6,500 gallons and that he is going to adjust his report accordingly. This amount is closer to what the Compliance Monitor had originally approximated.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/23/2018	ClaringtonLateral_23Mar2018_BL	7.0	7.0	Cleanup & Restoration	While performing a variance review, the Compliance Monitor observed the contractor parked several vehicles along the northern edge of Shepard Hill Road. The Compliance Monitor informed the Lead EI and the contractor's foreman regarding the use of unapproved workspace. Vehicles were moved during the inspection and relocated to an appropriate location. The Lead EI agreed the activity was not in compliance with permit conditions and said he would write an Applicant NCR to document the issue.
3/23/2018	ClaringtonLateral_23Mar2018_BL	6.7	6.8	Cleanup & Restoration	While performing a variance review, the Compliance Monitor observed the contractor installed silt fence outside of the approved LOD between station numbers 356+00 and 357+00. The silt fence was installed below a slope failure and was placed there to contain material and prevent further movement off the right-of-way. The Compliance Monitor spoke with the Lead EI regarding the use of unapproved workspace. The Lead EI agreed with the noncompliance and said he would write an Applicant NCR for failure to work within the approved LOD.
3/23/2018	SherwoodLateral_23Mar2018_GH	6.7	6.7	Other (see notes)	The Compliance Monitor conducted a review of a variance request, SW-A-20180321. The application has been submitted to allow Rover to make repairs to an off-right-of-way slope failure. This section of the project is a side slope and the failure appeared on the "cut" side of the right-of-way during the construction process. Rough grading has been completed and the cut area backfilled. There are standing trees that have been impacted by the failure and others that will need to be cut to facilitate the needed repairs. The area is as described and there are no objections to the variance request.

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/24/2018	ClaringtonLateral_24Mar2018_BL	6.8	6.9	Cleanup & Restoration	<p>The Compliance Monitor performed a review of Variance Request CL-2-20180321 at station number 361+00. The request states that the area is “about 136 feet along the western side of the LOD and extends out about 52 feet at its widest point.” Field observations do not agree with the variance request description or the associated aerial map. This location is within an upland field that is upslope from the right-of-way. The Dominion gas line is located in this area and there are three additional that are adjacent. All four gas lines are in service. The Compliance Monitor met onsite with the Lead EI and contractor superintendent to review the site. No evidence of off right-of-way sediment was observed during today’s inspection. The Compliance Monitor spoke with them regarding the history of the site during construction. The superintendent said there were no issues that occurred off the right-of-way at this location. The Lead EI said he would contact his supervisor to determine the source of the Variance Request. It is recommended that this Variance Request is denied. If further information is discovered, a new, detailed Variance Request will need to be submitted.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/24/2018	ClaringtonLateral_24Mar2018_BL	6.6	6.6	Cleanup & Restoration	<p>The Compliance Monitor performed a review of Variance Request CL-4-20180321 at station number 349+00. The request states that the area is about 165 feet along the eastern edge of the LOD and extends out about 91 feet at its widest point. Field observations do not agree with the variance request description or the associated aerial map. This location is within an upland forest that slopes away from the right-of-way. There is a 3 to 4 foot deep upland drain that is about 10 to 15 feet from the edge of the right-of-way that crosses through the area. An eroded channel was observed within the right-of-way at station number 348+00 that has directed 2 to 3 cubic feet of material into the upland drain. However, no other sediment or material was observed that would warrant tree cutting or the need for equipment off the right-of-way. The Compliance Monitor met onsite with the Lead EI to review the site. The Lead EI agreed that neither tree clearing nor equipment were needed and the area could be addressed with foot traffic and hand tools. No other evidence of off right-of-way sediment was observed at this location. The Compliance Monitor spoke with the Lead EI regarding the history of the site during construction. The Lead EI said that they have had problems with runoff from storm events, but he could not recall any issues that occurred off the right-of-way that would warrant tree clearing or equipment to repair this location. The Lead EI said he would contact his supervisor to determine the source of the Variance Request. It is recommended that the Level 2 Variance Request be denied and resubmitted as a Level 1 variance to return the sediment to the right-of-way.</p>
3/24/2018	ClaringtonLateral_24Mar2018_BL	6.6	6.6	Cleanup & Restoration	<p>While performing a variance review with the Lead EI, the Compliance Monitor noted ECDs that were not maintained along the eastern edge of the right-of-way. At station number 348+00, the ECDs were overwhelmed from the previous storm event on February 2, 2018. Runoff from that event has caused an erosion channel that is about one foot deep and is directly connected to an upland drain that runs through the upland forested area. The Compliance Monitor spoke with the Lead EI regarding the area and explained that it was not in compliance. The Lead EI agreed and said he would write an Applicant NCR to document the issue and have the contractor address the eroded channel and install fortified erosion control measures. The Compliance Monitor will follow-up to document completed repairs.</p>

Date	Report #	Start MP	End MP	Construction Method	Report Summary
3/24/2018	SenecaLateral_24Mar2018_GH	22.3	22.5	Other (see notes)	The Compliance Monitor conducted a review of a variance request, SN-1-20180320. The application has been submitted to allow Rover off-right-of-way access to repair slope failures. The impacted areas are not extensive, 146 feet by 41 feet and 379 feet by 82 feet, respectively, and are as described in the application. Access to one of the slide areas will be somewhat problematic in that it is on the side of a steep slope and will require the reinstallation of an equipment bridge to make the mechanical repairs. There are no objections to the request.
3/24/2018	SenecaLateral_24Mar2018_GH	26.1	26.1	Other (see notes)	The Compliance Monitor received a request from the Lead EI to view a developing off-right-of-way slide area in the project area. The request was made to consider the issuance of a Level I variance to allow the contractor to install erosion control structures to contain slide debris before it impacts an ephemeral stream. The slide condition was found to be as described. The Compliance Monitor contacted the Lead EI and advised him that, with landowner approval, the Compliance Monitor would approve foot traffic access to the area to install the requested control structures. The Lead EI advised that he would initiate the application process.

REPRESENTATIVE PHOTOS



Sediment accumulation in stream channel underneath equipment bridge – Problem Area (CGT Lateral, MP 2.8 – March 20, 2018).



Eastern bank of stream 167 – Problem Area (Burgettstown, MP 46.3 – March 20, 2018).



Containments around equipment on the west side of the drill – Acceptable (Mainline A, MP 53.5 – March 21, 2018).



Failed area on upgradient side of right-of-way – Communication (Sherwood, MP 37.9 – March 22, 2018).



Off-right-of-way slide area to be repaired –
Communication (Seneca, MP 22.3 – March 24, 2018).



Eroded stream bank from rain and flooded conditions –
Problem Area (Mainline A, MP 47.9 – March 24, 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_BG-1-20180306_KMS	2	Burgettstown Lateral	10.97	Rover requested approval for crews to walk from Standish Hill Road about 0.25 mile south of the LOD to the location on the banks of North Fork creek where a timber mat was washed by flood waters. The crews will cut the mat into smaller pieces and hand carry out to Standish Hill Road for pick up and disposal. The work area is located outside the original study corridor, but there will be no ground disturbance and no equipment will be used other than hand tools and foot traffic to cut and haul the mat to Standish Hill Road.	0.0	0.0	3/21/2018	<p>1) All work is limited to foot traffic and hand tools.</p> <p>2) All other federal, state, and local permit requirements apply.</p>
L2_CL-2-20180312_KMS	2	Clarrington Lateral	29.8	Rover requests approval to work outside the approved LOD to repair and remediate a slip near station 1573+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. The slip area extends about 242 feet along the eastern side of the LOD and extends out about 79 feet at its widest point.	0.31	As Needed	3/23/2018	<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
MK8-1-20180316	1	Market Spread 8	62.59	Request the use of small upland area adjacent to HDD drill pad to build a temporary dewatering structure to facilitate dewatering of the HDD pipe once hydrotesting is completed. Structure to be removed upon completion of dewatering. Stakes and cattle gates will be used to construct the straw bale structure. No equipment will be used to build the structure. The location is currently just grass covered so it will not require any removal of vegetation. Triangular shaped area dimensions along the sides are 160 feet, 200 feet, and 240 feet.	0.5	0.0	3/19/2018	All previous approved project plans and permit conditions apply. Approval is based on request description only; any deviation requires advance notice and additional approval.

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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