



Northern Natural Gas Company
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402 398-7200

June 27, 2025

Via eFiling

Ms. Debbie-Anne Reese, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Re: Northern Natural Gas Company
Northern Lights 2025
Docket No. CP24-60-000
Biweekly Status Report No. 9

Dear Ms. Reese:

Pursuant to Condition 8 of the Order Issuing Certificate and Approving Abandonment issued by the Federal Energy Regulatory Commission February 19, 2025, Northern Natural Gas (Northern) hereby submits for filing in the above-referenced docket its biweekly environmental inspector report for the period ending June 22, 2025.

Any questions regarding the filing should be directed at the undersigned at (402) 398-7138.

Respectfully submitted,

/s/ Donna Martens

Donna Martens
Senior Regulatory Analyst

Northern Natural Gas Company
Northern Lights 2025 (CP24-60-000)
Biweekly Status Report No. 9
Period Ending June 22, 2025

PROJECT DESCRIPTION

Northern Natural Gas (Northern) will construct and operate the Project, which will consist of (1) a 3.00-mile extension of its 36-inch-diameter Lake Mills to Albert Lea E-line; (2) a 2.42-mile extension of its 30-inch-diameter Elk River 3rd branch line; (3) a non-contiguous 1.90-mile extension of its 30-inch-diameter Farmington to Hugo C-line¹; (4) a 1.28-mile extension of its 8-inch-diameter Tomah branch line loop; (5) minor modifications to its existing La Crescent compressor station; and (6) aboveground facilities including a launcher, receiver and tie-in valve settings. All Project components are located in various counties in Minnesota and Wisconsin.

FEDERAL AUTHORIZATION STATUS

Northern has received all federal and state permits required under federal law for the Project.

Lake Mills to Albert Lea E-line

Northern will construct and operate an approximately 3.00-mile extension of its 36-inch-diameter MNM80105 Lake Mills to Albert Lea E-line in Freeborn County, Minnesota. Northern will remove the existing aboveground valve setting located in Section 16, Township 101 North, Range 22 West (Section 16, T101N, R22W), Freeborn County, Minnesota. Northern will construct and operate an aboveground valve setting at the terminus of the new extension on the north side of 165th Street in Section 33, T102N, R22W, Freeborn County, Minnesota.

Environmental Training

One contractor will construct the Lake Mills to Albert Lea E-line and associated aboveground facilities. The environmental training totals listed below reflect all training conducted to date for this component.

On-site Contractor: K & K, Inc. (K&K)

Overall Construction Start Date: Commenced April 21, 2025

Environmental Training Conducted: This reporting period: 0 Total to date: 32

Construction Status: K&K commenced trenching for 36-inch-diameter mainline pipe south of 165th Street June 9, 2025. K&K commenced lowering-in 36-inch-diameter mainline pipe south of 165th Street June 10, 2025. K&K commenced and completed mechanical excavation of the line stop location for MNM80105 E-line at Mile Post (MP) 31.1 south of 135th Street June 12, 2025. K&K commenced backfill of mainline trench south of 165th Street June 13, 2025. K&K commenced and completed seeding and installation of erosion control blankets (ECBs) for 165th Street north and south bar ditches June 17, 2025. During a routine daily inspection, one killdeer nest was discovered at MP 31.91 approximately 40 feet east of the mainline center line June 21, 2025. A 25-foot radius buffer was established.

¹ The total pipeline length of the Farmington to Hugo C-line extension was reduced from 1.91 miles to 1.90 miles as described in Northern's implementation plan and response to the conditions of the order (condition 5) filed with the Federal Energy Regulatory Commission (FERC) March 6, 2025.

Construction Modifications:

No construction modifications occurred during this reporting period.

Stream Crossings and Environmentally Sensitive Areas

No stream crossings or other environmentally sensitive areas were impacted during this reporting period.

Rain Events

Two rain events of 0.50 inch or more occurred during this reporting period. One rain event of 3.00 inches occurred June 16, 2025. One rain event of 1.00 inch occurred June 17, 2025. During this reporting period, the project received 4.97 inches of precipitation. To date, the project has received 13.92 inches of precipitation.

Lake Mills to Albert Lea E-line Construction Progress			
Activity	Start Date	Completed	Notes
Survey	4/16/2025	99%	Survey is ongoing
Clearing	N/A	N/A	N/A
Grading	4/21/2025	5/30/2025	Grading is complete
Stringing	5/5/2025	5/19/2025	Stringing is complete
Welding	5/16/2025	81%	Welding is ongoing
Ditching	6/6/2025	33%	Trenching is ongoing
Lower-in	6/6/2025	18%	Lowering-in is ongoing
Backfill	6/6/2025	3%	Backfill is ongoing
Topsoil Restoration			
Removal of existing E-line tie-over valve setting	5/15/2025		K&K commenced excavation
New Lake Mills tie-in valve setting	6/15/2025		K&K commenced excavation
Clean-up			
Seeding	6/17/2025	20%	Seeding has commenced
*Completed totals include either percentage completed or date all completed. All totals are approximate.			

Two-Week Projection

1. Continue welding line pipe
2. Continue sandblasting and coating
3. Continue trenching
4. Continue lowering-in
5. Continue backfill
6. Continue restoration

Lake Mills to Albert Lea E-line Related Spill

No spills occurred during this reporting period.

Elk River 3rd Branch Line

Northern will construct and operate an approximately 2.42-mile extension of its 30-inch-diameter MNB87703 Elk River 3rd branch line in Washington County, Minnesota. The new extension will be tied in below ground approximately 260 feet north of the current terminus in Section 36, T32N, R21W, Washington County, Minnesota; the existing aboveground valve setting located on the east side of July Avenue in Section 36, T32N, R21W, Washington County, Minnesota, will be removed. The downstream

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tie-in to both Northern's 20-inch-diameter MNB87701 Elk River branch line and 20-inch-diameter MNB87702 Elk River loop will be completed with a new valve setting at the west side of Henna Avenue North in Section 3, T31N, R21W, Washington County, Minnesota.

Environmental Training

One contractor will construct the Elk River 3rd branch line extension. The environmental training totals listed below reflect all training conducted to date for this component.

On-site Contractor: Otis Minnesota Services, LLC (Otis)

Overall Construction Start Date: Commenced April 24, 2025

Environmental Training Conducted²: This reporting period: 9 Total to date: 84

Construction Status:

Otis re-seeded and mulched stored stockpiles where vegetation was not adequate for soil protection. Otis completed installation of thrust blocks, welding of the 30-inch-diameter line-stop flange, and coating at the line stop by-pass location near MP 1.0. Otis continued welding and coating the line pipe. Otis completed welding bore pipe on horizontal directional drill (HDD) P4-5, P4-6 and P4-7. Acoustic Controls, a third-party sub-contractor of Otis, completed sound wall installation on HDD P4-5, P4-6 and P4-7. Mears Group Inc. (Mears), a third-party HDD sub-contractor of Otis, completed HDD P4-3, completed the pilot phase on HDD P4-6, and commenced the pilot pass on HDD P4-5. The HDD noise report is attached. All sound levels are recorded as dBA.

Construction Modifications: There were no construction modifications during this reporting period.

Stream Crossings and Environmentally Sensitive Areas

No stream crossings or environmentally sensitive areas were impacted during this reporting period.

Rain Events

One rain event of 0.50 inch or greater occurred during this reporting period. A rain event of 1.90 inches occurred June 14, 2025. To date the project has received 9.48 inches of precipitation.

Elk River 3rd Branch Line Construction Progress			
Activity	Start Date	Completed	Notes
Survey	4/10/2025	5/2/2025	Primary survey is complete
Clearing	4/28/2025	5/10/2025	Clearing is complete
Grading	5/6/2025	6/7/2025	Grading is complete
Stringing	5/15/2025	6/21/2025	Stringing is complete
Welding	5/16/2025	46%	Welding is ongoing
Ditching			
HDD ERT P4-1			
HDD ERT P4-2			
HDD ERT P4-3	5/22/2025	6/14/2025	Mears completed the HDD
HDD ERT P4-4			
HDD ERT P4-5	6/20/2025	20%	Mears commenced the pilot pass
HDD ERT P4-6	6/20/2025	40%	Mears completed the pilot pass
HDD ERT P4-7			
Lower-in			
Backfill			

² The same contractor and crews are constructing the Elk River 3rd branch line and Farmington-to-Hugo C-Line extension projects. The numbers reflect the training provided to the one contractor and any subcontractors; however, are double counted between the two projects.

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Topsoil Restoration			
Existing Elk River tie-over valve setting to be removed			
New Elk River tie-in valve setting			
Clean-up			
Seeding			
*Completed totals include either percentage completed or date all completed. All totals are approximate.			

Two-Week Projection

1. Continue welding, sandblasting and coating
2. Complete stringing line pipe
3. Complete HDD P4-5 and HDD P4-6
4. Commence HDD P4-2 and P4-4
5. Continue stopple bypass at MP 1.0
6. Commence ditching and lowering-in

Elk River 3rd Branch Line Related Spill

No spills occurred during this reporting period.

Farmington to Hugo C-Line Extension

Northern will construct and operate a non-contiguous 1.90-mile extension of its 30-inch-diameter Farmington to Hugo C-line in Washington County, Minnesota. The new extension will be tied in below ground within Northern's existing Hugo compressor station in Section 6, T31N, R20W, Washington County, Minnesota. The downstream tie-in to Northern's 24-inch-diameter MNM86501 B-line will be completed at a new below-ground³ valve setting in Section 7, T31N, R20W, Washington County, Minnesota.

Environmental Training

One contractor will construct the Farmington to Hugo C-line extension and associated aboveground facilities. The environmental training totals listed below reflect all training conducted to date for this component.

On-site Contractor: Otis Minnesota Services, LLC (Otis)

Overall Construction Start Date: May 3, 2025

Environmental Training Conducted²: This reporting period: 9 Total to date: 84

Construction Status:

Otis continued hydro-vacuum excavation within the Hugo compressor station. Otis commenced topsoil segregation on the Farmington-Hugo C-Line extension. Otis completed seeding and mulching all stored stockpiles. Otis commenced stringing and welding line pipe. Otis commenced excavation for the Farmington tie over valve setting. Bockmann, Inc., a third party sub-contractor of Otis, completed removal of coating

³ As described in Northern's implementation plan and response to the conditions of the order (condition 5) filed with FERC March 6, 2025, the new downstream valve setting for the Farmington to Hugo C-line extension will be below ground in accordance with the landowner's request rather than aboveground as originally proposed.

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from the Farmington tie over valve setting.

Construction Modifications: There were no construction modifications during this reporting period.

Stream Crossings and Environmentally Sensitive Areas

No stream crossings or other environmentally sensitive areas were impacted during this reporting period.

Rain Events

One rain event of 0.50 inch or greater occurred during this reporting period. A rain event of 1.85 inches occurred June 14, 2025. To date the project has received 7.93 inches of precipitation.

Farmington to Hugo C-Line Construction Progress			
Activity	Start Date	Completed	Notes
Survey	4/26/2025	5/5/2025	Survey is complete
Clearing	5/3/2025	5/9/2025	Clearing is complete
Grading	6/9/2025	20%	Grading commenced
Stringing	6/18/2025	10%	Stringing commenced
Welding	6/20/2025	2%	Welding commenced
Ditching			
HDD FAR P4-1			
HDD FAR P4-2			
Lower-in			
Backfill			
Topsoil Restoration			
Hugo compressor station launcher and valves	5/22/2025	10%	Otis continues hydro-vacuum activities and commenced concrete forms
Farmington tie-over valve setting	6/17/2025	1%	Otis commenced excavating
Clean-up			
Seeding			
*Completed totals include either percentage completed or date all completed. All totals are approximate.			

Two-Week Projection

1. Continue hydro-vacuum excavation in the Hugo compressor station
2. Expose tie-in locations to inspect pipe conditions
3. Continue topsoiling
4. Continue stringing
5. Continue welding
6. Commence sandblasting and coating

Farmington to Hugo C-line Related Spill Totals

No spills occurred during this reporting period.

Tomah Branch Line Loop

Northern will construct and operate an approximately 1.28-mile extension of its 8-inch-diameter WIB11902 Tomah branch line loop in Monroe County, Wisconsin. The new extension will be tied in below ground to the current terminus of the Tomah branch line loop in Section 1, T17N, R4W, Monroe County, Wisconsin, and the existing tie-in valve setting and receiver facility at this location will be removed. The down-stream tie-in to Northern's 6-inch-diameter WIB11901 branch line is located in Section 6, T17N, R3W, Monroe County, Wisconsin.

Environmental Training

One contractor will construct the Tomah branch line loop. The environmental training totals listed below reflect all training conducted to date for this component.

On-site Contractor: K & K, Inc. (K&K)

Overall Construction Start Date: Commenced May 12, 2025

Environmental Training Conducted: This reporting period: 7 Total to date: 27

Construction Status: K&K completed stringing and welding of bore pipe for HDD P4-2 June 10, 2025. K&K completed stringing and welding of bore pipe for HDD P4-1 June 11, 2025. K&K commenced bending of branch line pipe June 10, 2025. K&K commenced hydro-vacuum excavation inside Tomah branch line loop facility for removal of the tie-over valve setting June 11, 2025. K&K commenced hydro vacuum for removal of Tomah tie-over valve setting June 12, 2025. K&K completed bending of branch line pipe June 19, 2025. K&K completed topsoil segregation on west side of Gardner Avenue June 20, 2025. K&K commenced installation of temporary slope breakers June 20, 2025. K&K commenced sandblasting and coating of branch line pipe June 20, 2025. K&K completed stabilization of all topsoil piles June 21, 2025.

Construction Modifications: There were no construction modifications during this reporting period.

Stream Crossings and Environmentally Sensitive Areas

No stream crossings or other environmentally sensitive areas were impacted during this reporting period.

Rain Events

One rain event of 0.50 inch or greater occurred during this reporting period. A rain event of 0.60 inch occurred June 17, 2025. During this reporting period the project received 0.60 inch of precipitation. To date, the project has received 4.75 inches of precipitation.

Tomah Branch Line Loop Construction Progress			
Activity	Start Date	Completed	Notes
Survey	4/22/2025	98%	Survey is ongoing
Clearing	5/14/2025	5/23/2025	Clearing is complete
Grading	5/16/2025	95%	Grading is ongoing
Stringing	6/2/2025	85%	Stringing is ongoing
Welding	6/3/2025	65%	Welding is ongoing
Ditching			
HDD TBL P4-1			
HDD TBL P4-2			
Lower-in			
Backfill			
Topsoil Restoration			
Remove Tomah branch line loop receiver facility and tie-over valve setting	6/11/2025		K&K commenced excavation
Tomah Tie-over valve setting	6/12/2025		K&K commenced excavation
Clean-up			
Seeding			
*Completed totals include either percentage completed or date all completed. All totals are approximate.			

Two-Week Projection

1. Complete erosion control device (ECD) installation
2. Complete topsoil segregation
3. Complete stringing
4. Continue welding
5. Continue sandblasting and coating
6. Commence mobilization for HDD P4-1 and P4-2
7. Commence ditching
8. Commence lowering-in
9. Commence backfill

Tomah Branch Line Loop Related Spill Totals

No spills occurred during this reporting period.

La Crescent Compressor Station

Northern will complete minor aboveground facility modifications within its existing La Crescent compressor station facility. The site is located in Section 16, T104N, R5W, Houston County, Minnesota. The facility modifications will consist of replacing the current blind flanges with compressor cylinder end caps; Northern will not complete any ground disturbance at this site and all work will be completed inside the compressor building. There will be no change to the horsepower or emissions at the facility as a result of the Project.

Environmental Training

Archrock Services LP will make the La Crescent compressor station modifications. The environmental training totals listed below reflect all training conducted to date for this component.

On-site Contractor: Archrock Services LP

Overall Construction Start Date: Scheduled July 22, 2025

Environmental Training Conducted: This reporting period: 0 Total to date: 0

Construction Status: No construction occurred during this reporting period.

Construction Modifications: Construction has not commenced.

Stream Crossings and Environmentally Sensitive Areas

No stream crossings or other environmentally sensitive areas were impacted during this reporting period.

Rain Events

Northern will document rain events upon commencement of construction.

La Crescent Compressor Station Modifications Construction Progress			
Activity	Start Date	Completed	Notes
Compressor modifications			
*Completed totals include either percentage completed or date all completed. All totals are approximate.			

Two-Week Projection

1. Execute construction contract
2. A pre-construction meeting is tentatively scheduled for the week of July 17, 2025. The contractor will commence construction after that meeting.

La Crescent Compressor Station Related Spill Totals

No spills occurred during this reporting period; construction has not commenced.

PROJECT-WIDE AGENCY COMMUNICATIONS AND SITE VISITS

There were no agency communications or site visits during this reporting period.

PROJECT-WIDE LANDOWNER CONCERNS

No project-wide landowner concerns were raised during this reporting period.

PROJECT-WIDE NON-COMPLIANCE CONCERNS

There were no non-compliance concerns during this reporting period.

PHOTOS

Lake Mills to Albert Lea E-line



Facing south at MP 33.7, K&K trenching for mainline pipe



Facing south at MP 33.9, K&K lowering-in mainline pipe

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Facing southwest at MP 31.1, K&K excavating line stop location for the MNM80105 E-line south of 135th Street



Facing northeast at MP 33.7, K&K backfilling mainline trench

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Facing south at MP 34.15, ECBs installed for 165th Street south bar ditch



Facing east at MP 31.93, caution tape utilized to mark killdeer nest exclusion zone

Elk River 3rd Branch Line



HDD P4-3 completed the pull



Near MP 1.0, line-stop flange installed

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Facing north near MP 3.05, welding and coating ongoing



Facing north near MP 3.15, blasting ongoing

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Facing north, HDD P4-5 commenced



Facing east, HDD P4-6 commenced

Farmington-Hugo C-Line Extension



Facing east near MP 1.8, view of contractor seeding and mulching stockpiles



Facing south near MP 1.9, view of the Farmington tie-over valve setting

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Facing east near MP 1.76, view of contractor stringing line pipe



Facing east near MP 1.84, view of contractor welding line pipe

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Facing south near MP 0.2, view of contractor stripping topsoil



Facing south near MP 1.1, view of black bear spotted on the Minnesota Department of Natural Resources property

Tomah Branch Line Loop



Facing east near MP 2.35, contractor continues topsoil segregation



Facing southeast near MP 3.0, contractor bending branch line pipe



Facing southeast near MP 2.25, whitetail deer utilizing construction area



Facing south near MP 2.95, contractor welding bore pipe

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Facing west near MP 3.4, contractor stringing bore pipe



Environmental Procedure
Appendix M: Horizontal Directional Drill Daily Report

380.203m
1 of 1

Project: NL25 Elk River 3rd BL Extension

WO: 1146979

Drill:	P4-3	Date:	6/9/2025	Footage:	193	Depth:	25-foot	Phase:	Second ream
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Drilling Fluids:	MAXGEL	Approved by DES	Yes
	Water	Approved by DES	Yes
	Soda Ash Right Turn Supply, Drill-Plex HDD, Platinum Pac UL, Clay Crusher, Seal Force		Approved by DES

Person Walking Drill Path	Nelson Casey	Role	EI	Frequency	Hourly	IR Detected	No
	Devon Hardy		Contractor		Continuously		
			Contractor		Hourly		

NSA#	Time	1:00	3:00	5:00	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	Daytime Average	Nighttime Average
NSA-14					N/A	N/A	34.1	N/A	38.9	N/A				36.50	
NSA-15					N/A	N/A	30.4	N/A	36.4	N/A				33.40	
NSA-18					N/A	N/A	33.9	N/A	38.2	N/A				36.05	
NSA-19					N/A	N/A	32.5	N/A	37.1	N/A				34.80	
NSA-21					N/A	N/A	51.3	N/A	49.7	N/A				50.50	
NSA-22					N/A	N/A	34.4	N/A	38.3	N/A				36.35	
NSA-27					N/A	N/A	43.8	N/A	46.1	N/A				44.95	
NSA-28					N/A	N/A	22.9	N/A	25.4	N/A				24.15	

Notes: Drill P4-3 started 0900 to 1150 and 1400 to 1650 . birds in noise monitoring area. Road crew continues repaving roads. Wind gusts occurred later in the day.



Environmental Procedure
Appendix M: Horizontal Directional Drill Daily Report

380.203m
1 of 1

Project: NL25 Elk River 3rd BL Extension

WO: 1146979

Drill:	P4-3	Date:	6/10/2025	Footage:	580	Depth:	60.8-foot	Phase:	Second ream
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Drilling Fluids:	MAXGEL	Approved by DES	Yes
	Water	Approved by DES	Yes
	Soda Ash Right Turn Supply, Drill-Plex HDD, Platinum Pac UL, Clay Crusher, Seal Force		Approved by DES

Person Walking Drill Path	Nelson Casey	Role	EI	Frequency	Hourly	IR Detected	No
	Devon Hardy		Contractor		Continuously		
			Contractor		Hourly		

NSA#	Time	1:00	3:00	5:00	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	Daytime Average	Nighttime Average
NSA-14					N/A	35.4	30.8	32.5	28.3	N/A				31.75	
NSA-15					N/A	29.8	29.4	33.1	30.9	N/A				30.80	
NSA-18					N/A	37.1	32.9	35.3	31.4	N/A				34.18	
NSA-19					N/A	33.5	36.3	38.7	34.2	N/A				35.68	
NSA-21					N/A	47.3	52.0	50.9	52.3	N/A				50.63	
NSA-22					N/A	37.1	38.6	34.2	36.5	N/A				36.60	
NSA-27					N/A	42.8	45.7	44.3	41.6	N/A				43.60	
NSA-28					N/A	25.4	22.9	23.9	27.6	N/A				24.95	

Notes: Drill P4-3 started 720 to 1620. birds in noise monitoring area. Road crew compacted roads starting at 1000.



Environmental Procedure
Appendix M: Horizontal Directional Drill Daily Report

380.203m
1 of 1

Project: NL25 Elk River 3rd BL Extension

WO: 1146979

Drill:	P4-3	Date:	6/11/2025	Footage:	1096	Depth:	55.8-foot	Phase:	Second ream
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Drilling Fluids:	MAXGEL	Approved by DES	Yes
	Water	Approved by DES	Yes
	Soda Ash Right Turn Supply, Drill-Plex HDD, Platinum Pac UL, Clay Crusher, Seal Force		Approved by DES

Person Walking Drill Path	Nelson Casey	Role	EI	Frequency	Hourly	IR Detected	No
	Devon Hardy		Contractor		Continuously		
			Contractor		Hourly		

NSA#	Time	1:00	3:00	5:00	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	Daytime Average	Nighttime
NSA-14					N/A	34.7	33.4	30.5	35.1	N/A				33.43	
NSA-15					N/A	32.3	36.1	35.7	34.4	N/A				34.63	
NSA-18					N/A	31.5	35.9	33.2	33.2	N/A				33.45	
NSA-19					N/A	37.4	35.6	36.9	37.1	N/A				36.75	
NSA-21					N/A	52.4	51.5	50.3	50.9	N/A				51.28	
NSA-22					N/A	36.8	37.3	35.2	36.8	N/A				36.53	
NSA-27					N/A	44.1	46.3	40.4	41.5	N/A				43.08	
NSA-28					N/A	24.5	25.6	23.2	24.6	N/A				24.48	

Notes: Drill P4-3 started 720 to 1620. birds in noise monitoring area



Environmental Procedure
Appendix M: Horizontal Directional Drill Daily Report

380.203m
1 of 1

Project: NL25 Elk River 3rd BL Extension

WO: 1146979

Drill:	P4-3	Date:	6/12/2025	Footage:	258	Depth:	40-foot	Phase:	Swabbing
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Drilling Fluids:	MAXGEL	Approved by DES	Yes
	Water	Approved by DES	Yes
	Soda Ash Right Turn Supply, Drill-Plex HDD, Platinum Pac UL, Clay Crusher, Seal Force		Approved by DES

Person Walking Drill Path	Nelson Casey	Role	EI	Frequency	Hourly	IR Detected	No
	Devon Hardy		Contractor		Continuously		
			Contractor		Hourly		

NSA#	Time	1:00	3:00	5:00	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	Daytime Average	Nighttime Average
NSA-14					N/A	35.7	N/A	N/A	36.1	N/A				35.90	
NSA-15					N/A	32.6	N/A	N/A	34.3	N/A				33.45	
NSA-18					N/A	31.9	N/A	N/A	35.6	N/A				33.75	
NSA-19					N/A	38.3	N/A	N/A	37.4	N/A				37.85	
NSA-21					N/A	50.9	N/A	N/A	51.4	N/A				51.15	
NSA-22					N/A	37.5	N/A	N/A	36.8	N/A				37.15	
NSA-27					N/A	45.4	N/A	N/A	41.7	N/A				43.55	
NSA-28					N/A	24.3	N/A	N/A	25.1	N/A				24.70	

Notes: Drill P4-3 started 720 to 1040, restarted 140 to 1655. birds in noise monitoring area



Environmental Procedure
Appendix M: Horizontal Directional Drill Daily Report

380.203m
1 of 1

Project: NL25 Elk River 3rd BL Extension

WO: 1146979

Drill:	P4-3	Date:	6/13/2025	Footage:	1290	Depth:	0-foot	Phase:	Swabbing
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Drilling Fluids:	MAXGEL	Approved by DES	Yes
	Water	Approved by DES	Yes
	Soda Ash Right Turn Supply, Drill-Plex HDD, Platinum Pac UL, Clay Crusher, Seal Force		Approved by DES

Person Walking Drill Path	Nelson Casey	Role	EI	Frequency	Hourly	IR Detected	No
	Devon Hardy		Contractor		Continuously		
			Contractor		Hourly		

NSA#	Time	1:00	3:00	5:00	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	Daytime Average	Nighttime Average
NSA-14					N/A	31.4	34.2	32.8	N/A	N/A				32.80	
NSA-15					N/A	35.6	33.2	31.1	N/A	N/A				33.30	
NSA-18					N/A	33.8	37.6	35.9	N/A	N/A				35.77	
NSA-19					N/A	37.9	36.5	37.3	N/A	N/A				37.23	
NSA-21					N/A	49.8	51.3	50.4	N/A	N/A				50.50	
NSA-22					N/A	36.5	36.8	38.6	N/A	N/A				37.30	
NSA-27					N/A	46.4	43.1	44.7	N/A	N/A				44.73	
NSA-28					N/A	25.3	27.3	25.1	N/A	N/A				25.90	

Notes: Drill P4-3 started 820 to 1400. birds in noise monitoring area



Environmental Procedure
Appendix M: Horizontal Directional Drill Daily Report

380.203m
1 of 1

Project: NL25 Elk River 3rd BL Extension

WO: 1146979

Drill:	P4-3	Date:	6/14/2025	Footage:	1290	Depth:	0-foot	Phase:	Swabbing
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Drilling Fluids:	MAXGEL	Approved by DES	Yes
	Water	Approved by DES	Yes
	Soda Ash Right Turn Supply, Drill-Plex HDD, Platinum Pac UL, Clay Crusher, Seal Force	Approved by DES	Yes

Person Walking Drill Path	Nelson Casey	Role	EI	Frequency	Hourly	IR Detected	No
	Devon Hardy		Contractor		Continuously		
			Contractor		Hourly		

NSA#	Time	1:00	3:00	5:00	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	Daytime Average	Nighttime Average
NSA-14					N/A	34.4	N/A	N/A	N/A	N/A	36.0	34.6		34.40	35.30
NSA-15					N/A	35.7	N/A	N/A	N/A	N/A	36.4	35.3		35.70	35.85
NSA-18					N/A	32.3	N/A	N/A	N/A	N/A	34.9	32.1		32.30	33.50
NSA-19					N/A	38.6	N/A	N/A	N/A	N/A	37.8	36.4		38.60	37.10
NSA-21					N/A	50.2	N/A	N/A	N/A	N/A	50.4	52.9		50.20	51.65
NSA-22					N/A	37.8	N/A	N/A	N/A	N/A	39.0	36.5		37.80	37.75
NSA-27					N/A	45.3	N/A	N/A	N/A	N/A	46.8	44.2		45.30	45.50
NSA-28					N/A	26.5	N/A	N/A	N/A	N/A	25.3	29.2		26.50	27.25

Notes: Drill P4-3 started 850 to 1015, 1850 to 2140, completed pipe pullback at 2140; wildlife in noise monitoring area.



Environmental Procedure
Appendix M: Horizontal Directional Drill Daily Report

380.203m
1 of 1

Project: NL25 Elk River 3rd BL Extension

WO: 1146979

Drill:	P4-5	Date:	6/20/2025	Footage:	305	Depth:	41.4-foot	Phase:	Pilot
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Drilling Fluids:	MAXGEL	Approved by DES	Yes
	Water	Approved by DES	Yes
	Soda Ash Right Turn Supply, Drill-Plex HDD, Platinum Pac UL, Clay Crusher, Seal Force, Magma Fiber		Approved by DES

Person Walking Drill Path	Nelson Casey	Role	EI	Frequency	Hourly	IR Detected	No
	Devon Hardy		Contractor		Continuously		
			Contractor		Hourly		

NSA#	Time	1:00	3:00	5:00	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	Daytime Average	Nighttime Average
NSA-28					N/A	N/A	N/A	N/A	N/A	44.9	N/A	N/A		44.90	
NSA-29					N/A	N/A	N/A	N/A	N/A	37.6	N/A	N/A		37.60	
NSA-32					N/A	N/A	N/A	N/A	N/A	34.5	N/A	N/A		34.50	
NSA-33					N/A	N/A	N/A	N/A	N/A	36.1	N/A	N/A		36.10	

Notes: Drill P4-5 commenced pilot at 1515. Wild life in the area.



Environmental Procedure
Appendix M: Horizontal Directional Drill Daily Report

380.203m
1 of 1

Project: NL25 Elk River 3rd BL Extension

WO: 1146979

Drill:	P4-5	Date:	6/21/2025	Footage:	870	Depth:	63-foot	Phase:	Pilot
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Drilling Fluids:	MAXGEL	Approved by DES	Yes
	Water	Approved by DES	Yes
	Soda Ash Right Turn Supply, Drill-Plex HDD, Platinum Pac UL, Clay Crusher, Seal Force, Magma Fiber		Approved by DES

Person Walking Drill Path	Nelson Casey	Role	EI	Frequency	Hourly	IR Detected	No
	Devon Hardy		Contractor		Continuously		
			Contractor		Hourly		

NSA#	Time	1:00	3:00	5:00	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	Daytime Average	Nighttime Average
NSA-28					N/A	45.3	43.2	46.2	44.7	N/A	N/A	N/A		44.85	
NSA-29					N/A	37.3	36.4	38.6	35.8	N/A	N/A	N/A		37.03	
NSA-32					N/A	35.2	34.2	37.1	36.4	N/A	N/A	N/A		35.73	
NSA-33					N/A	38.1	33.4	36.6	34.9	N/A	N/A	N/A		35.75	

Notes: Drill started at 800, stoped 1645. Wild life in the area.



Environmental Procedure
Appendix M: Horizontal Directional Drill Daily Report

380.203m
1 of 1

Project: NL25 Elk River 3rd BL Extension

WO: 1146979

Drill:	P4-6	Date:	6/20/25	Footage:	138	Depth:	10.85	Phase:	Pilot
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Drilling Fluids:	MAXGEL	Approved by DES	Yes
	Water	Approved by DES	Yes
	Soda Ash Right Turn Supply, Drill-Plex HDD, Platinum Pac UL, Clay Crusher, Seal Force		Approved by DES

Person Walking Drill Path	Blake Fontenot	Role	EI	Frequency	Hourly	IR Detected	No
	Richard Benike		Contractor		Continuously		
			Contractor		Hourly		

NSA#	Time	1:00	3:00	5:00	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	Daytime Average	Nighttime
NSA-31					N/A	51.3	50.3	49.4	N/A	N/A				50.33	
NSA-32					N/A	49.4	51.2	48.0	N/A	N/A				49.53	
NSA-35					N/A	45.4	46.0	46.2	N/A	N/A				45.87	
NSA-36					N/A	47.4	47.0	48.1	N/A	N/A				47.50	

Notes: Drill P4-6 . Birds in noise monitoring area and equipment operating in areas. Contractor started the pilot at 8:45 am and completed the pilot at 1.20 pm.



Environmental Procedure
Appendix M: Horizontal Directional Drill Daily Report

380.203m
1 of 1

Project: NL25 Elk River 3rd BL Extension

WO: 1146979

Drill:	P4-6	Date:	6/21/25	Footage:	138	Depth:	10.85	Phase:	Not operating
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Drilling Fluids:	MAXGEL	Approved by DES	Yes
	Water	Approved by DES	Yes
	Soda Ash Right Turn Supply, Drill-Plex HDD, Platinum Pac UL, Clay Crusher, Seal Force		Approved by DES

Person Walking Drill Path	Blake Fontenot	Role	EI	Frequency	Hourly	IR Detected	No
	Richard Benike		Contractor		Continuously		
			Contractor		Hourly		

NSA#	Time	1:00	3:00	5:00	7:00	9:00	11:00	13:00	15:00	17:00	19:00	21:00	23:00	Daytime Average	Nighttime Average
NSA-31					N/A	N/A	N/A	N/A		N/A					
NSA-32					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-35					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-36					N/A	N/A	N/A	N/A	N/A	N/A					
					N/A	N/A	N/A	N/A	N/A	N/A					
					N/A	N/A	N/A	N/A	N/A	N/A					
					N/A	N/A	N/A	N/A	N/A	N/A					
					N/A	N/A	N/A	N/A	N/A	N/A					

Notes: Drill P4-6 did not operate today..