



Northern Natural Gas Company
P.O. Box 3330
Omaha NE 68103-0330
402 398-7200

July 11, 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. 10

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 July 6, 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. 10
Period Ending July 6, 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 continued welding 36-inch-diameter mainline pipe north of 140th Street. K&K commenced trenching, lowering-in of the mainline pipe, and backfill of the mainline trench south of 154th Street/County Road 80. Three of the four killdeer eggs discovered at mile post (MP) 31.91 hatched June 24, 2025, and as of June 28, 2025, the adult killdeer has not returned to the nest.

Construction Modifications:

No construction modifications occurred during this reporting period.

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.

Stream Crossings and Environmentally Sensitive Areas

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

Rain Events

Five rain events of 0.50 inch or greater occurred during this reporting period. One rain event of 0.78 inch occurred June 24, 2025. One rain event of 0.51 inch occurred June 26, 2025. One rain event of 1.21 inches occurred June 27, 2025. One rain event of 1.31 inches occurred July 5, 2025. One rain event of 0.52 inch occurred July 6, 2025. During this reporting period, the project received 4.33 inches of precipitation. To date, the project has received 18.25 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	84%	Welding is ongoing
Ditching	6/6/2025	42%	Trenching is ongoing
Lower-in	6/6/2025	30%	Lowering-in is ongoing
Backfill	6/6/2025	13%	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 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: 0 Total to date: 84

Construction Status:

Otis re-seeded and mulched stored stockpiles where vegetation was not adequate for soil protection. Otis continued welding and coating the line pipe. Otis completed welding bore pipe on horizontal directional drill (HDD) P4-1. Mears Group Inc. (Mears), a third-party HDD sub-contractor of Otis, completed HDD P4-6 and HDD P4-7 and continued the pilot pass on HDD P4-5. The HDD noise report is attached. All sound levels are recorded as dBA.

Two inadvertent releases of drilling fluids occurred during this reporting period. Both inadvertent releases occurred during the pilot phase of HDD P4-5. On June 27, 2025, Mears had two inadvertent releases in wetland feature ERT-W34. The first release occurred at 11:15 AM and a total of five gallons of drilling fluid surfaced within the boundaries of the wetland. The second release occurred at 1:30 PM and a total of 120 gallons of drilling fluid surfaced within the boundaries of the wetland. The cause of the releases was loose soil and cobble. The drilling fluid mixture included MaxGel, water, Hydro Plex HDD, soda ash and Magma Fiber. Both releases were contained with silt fence and both releases were cleaned with hand shovels and removed in five-gallon buckets.

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

Stream Crossings and Environmentally Sensitive Areas

Commenced crossing wetland feature ERT-W34 by HDD June 29, 2029. See discussion above regarding inadvertent releases in wetland ERT-W34.

Rain Events

Two rain events of 0.50 inch or greater occurred during this reporting period. One rain event of 2.30 inches occurred June 26, 2025, One rain event of 0.50 inch occurred June 27, 2025. To date the project has received 12.28 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	49%	Welding is ongoing
Ditching			
HDD ERT P4-1			
HDD ERT P4-2			

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.

Northern Natural Gas Company
Northern Lights 2025 Expansion

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	30%	Mears commenced the pilot pass
HDD ERT P4-6	6/20/2025	6/25/2025	Mears completed the HDD
HDD ERT P4-7	7/01/2025	7/3/2025	Mears completed the HDD
Lower-in			
Backfill			
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 HDD P4-5 pilot
3. Commence HDD P4-2 and P4-4
4. Continue stopple bypass at MP 1.0
5. Commence ditching, lowering-in and backfill

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: 0 Total to date: 84

Construction Status:

Otis continued hydro-vacuum excavation within the Hugo compressor station as well as pouring the concrete

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.

Northern Natural Gas Company
Northern Lights 2025 Expansion

forms. Otis continued topsoil segregation on the Farmington-Hugo C-Line extension. Otis completed seeding and mulching all stored stockpiles. Otis continued stringing and welding line pipe. Otis commenced stringing the bore pipe. Otis commenced sand blasting existing pipe for 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 2.45 inches occurred June 26, 2025. To date the project has received 10.95 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	50%	Grading is ongoing
Stringing	6/18/2025	35%	Stringing is ongoing
Welding	6/20/2025	20%	Welding is ongoing
Ditching			
HDD FAR P4-1			
HDD FAR P4-2			
Lower-in			
Backfill			
Topsoil Restoration			
Hugo compressor station launcher and valves	5/22/2025	20%	Otis continues hydro-vacuum activities and concrete forms
Farmington tie-over valve setting	6/17/2025	5%	Otis continued 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

Northern Natural Gas Company
Northern Lights 2025 Expansion

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: 3 Total to date: 30

Construction Status: K&K repaired erosion and sediment controls and retrieved all sediment loss from June 24, 2025, to July 3, 2025, due to historic rain events that occurred throughout the week. ECS Hydro Vac continued hydro-vacuum excavation inside the Tomah branch line loop facility. Bachmann Inc. removed coating on the existing line near MP 3.55. K&K completed sandblasting and coating of bore pipe for HDD P4-2. K&K continued welding and coating branch line pipe. K&K completed a nitrogen pressure test on bore pipe for HDD P4-2. K&K seeded, mulched and crimped staging area for temporary stabilization. Flat Iron Drilling, LLC. commenced mobilization of drilling equipment near MP 3.55.

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

Five rain events of 0.50 inch or greater occurred during this reporting period. One rain event of 5.10 inches occurred June 24, 2025. One rain event of 1.90 inches occurred June 26, 2025. One rain event of 2.90 inches occurred June 27, 2025. One rain event of 0.60 inch occurred June 30, 2025. One rain event of 1.60 inches occurred July 4, 2025. One rain event of 0.90 inch occurred July 6, 2025. During this reporting period the project received 13.00 inches of precipitation. To date, the project has received 17.75 inches of precipitation.

Northern Natural Gas Company
Northern Lights 2025 Expansion

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	98%	Grading is ongoing
Stringing	6/2/2025	90%	Stringing is ongoing
Welding	6/3/2025	75%	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	15%	K & K continued excavation
Tomah Tie-over valve setting	6/12/2025	10%	K & K continued excavation
Clean-up			
Seeding			
*Completed totals include either percentage completed or date all completed. All totals are approximate.			

Two-Week Projection

1. Complete topsoil segregation
2. Complete stringing
3. Continue welding
4. Continue sandblasting and coating
5. Commence HDD P4-2
6. Commence HDD P4-1
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.

Northern Natural Gas Company
Northern Lights 2025 Expansion

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

On June 27, 2025, Northern filed a variance request with FERC seeking approval to use additional extra temporary workspace (ETWS) on the Lake Mills to Albert Lea E-line extension. Northern is requesting approval to use additional ETWS on either side of the open cut crossings of 140th Street and County Road 80/154th Street to accommodate an 8:1 slope requirement Freeborn County and Nunda Township, respectively, included in their permits for the open cut crossings. FERC approved the variance request July 9, 2025.

There were no other 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 northwest at MP 32.2, K&K welding mainline pipe



Facing southwest at MP 33.0, K&K trenching south of 154th Street/County Road 80

Northern Natural Gas Company
Northern Lights 2025 Expansion



Facing south at MP 33.0, K&K lowering-in 36-inch-diameter mainline pipe south of 154th Street/County Road 80

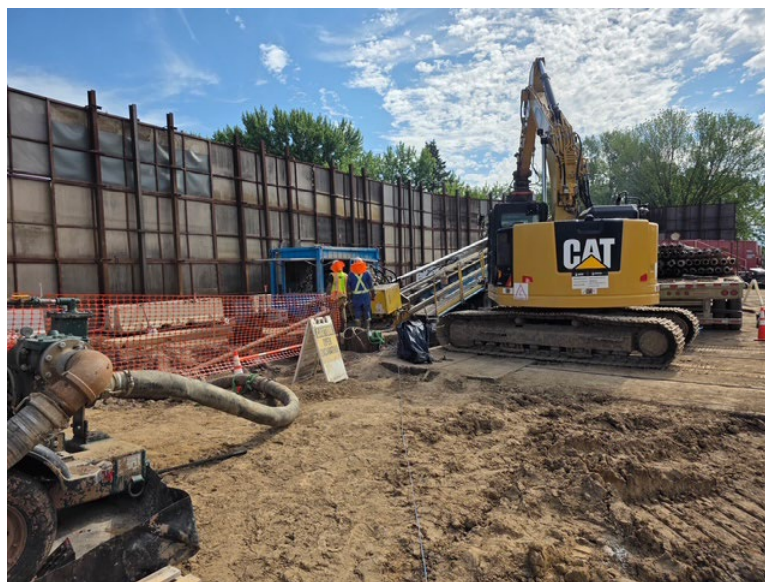


Facing southeast at MP 32.9, K&K backfilling trench south of 154th Street/County Road 80

Elk River 3rd Branch Line



HDD P4-7 completed the HDD



HDD P4-5 continued the pilot pass

Northern Natural Gas Company
Northern Lights 2025 Expansion



Facing west near MP 3.2, backfill completed at HDD P4-7 entry pit



Near MP 2.9, 5-gallon inadvertent release of drilling fluid contained



Near MP 2.9, 120-gallon inadvertent release of drilling fluid contained

Farmington-Hugo C-Line Extension



Facing south, Otis continues welding near MP 1.8

Northern Natural Gas Company
Northern Lights 2025 Expansion



Facing west, Otis commences the stringing of the bore pipe near MP 0.1



Facing south, Otis continuing the grading process near MP 0.16

Northern Natural Gas Company
Northern Lights 2025 Expansion



Facing east, view of the concrete forms poured in the Hugo compressor station near MP 0.1



Facing east, view of Otis mulching and seeding stockpiles near MP 0.12

Tomah Branch Line Loop



Facing southeast near MP 2.25, whitetail deer observed on edge of right of way



Facing northeast near MP 3.25, contractor setting up for nitrogen test on bore pipe

Northern Natural Gas Company
Northern Lights 2025 Expansion



Facing west near MP 2.3, contractor sandblasting and coating branch line pipe



Facing north near MP 3.55, contractor mulching staging area

Northern Natural Gas Company
Northern Lights 2025 Expansion



Facing northwest near MP 2.75, contractor working subgrade to help dry out right of way



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:	6/23/2025	Footage:	965	Depth:	63-foot	Phase:	Pilot
--------	------	-------	-----------	----------	-----	--------	---------	--------	-------

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	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-28					N/A	48.3	45.2	47.4	N/A	N/A				46.97	
NSA-29					N/A	38.6	37.4	39.3	N/A	N/A				38.43	
NSA-32					N/A	36.9	38.1	37.3	N/A	N/A				37.43	
NSA-33					N/A	37.3	34.1	36.1	N/A	N/A				35.83	

Notes: Drill started at 830, stopped 1650 Wildlife 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:	6/24/2025	Footage:	965	Depth:	63-foot	Phase:	Pilot
--------	------	-------	-----------	----------	-----	--------	---------	--------	-------

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	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-28					N/A	41.2	38.4	43.3	39.7	40.5				40.62	
NSA-29					N/A	36.8	37.3	38.1	36.2	35.4				36.76	
NSA-32					N/A	35.1	36.7	35.5	34.9	37.4				35.92	
NSA-33					N/A	37.5	35.4	36.3	32.3	35.2				35.34	

Notes: Drill started at 740, stopped 1830 Wildlife 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:	6/25/2025	Footage:	1060	Depth:	63-foot	Phase:	Pilot
--------	------	-------	-----------	----------	------	--------	---------	--------	-------

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	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-28				N/A		44.9	46.4	45.2	47.4	N/A				45.98	
NSA-29				N/A		42.6	44.7	41.2	39.5	N/A				42.00	
NSA-32				N/A		41.1	43.5	43.3	40.7	N/A				42.15	
NSA-33				N/A		41.8	42.4	44.6	43.3	N/A				43.03	

Notes: Drill started at 730, stopped 1710 Wildlife in the area. Due to heavy rainfall daily readings have been higher than average.



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:	6/26/2025	Footage:	1060	Depth:	63-foot	Phase:	Pilot
--------	------	-------	-----------	----------	------	--------	---------	--------	-------

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	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-28				N/A		44.6	41.2	45.7	45.4	46.2				44.62	
NSA-29				N/A		38.1	37.2	37.5	38.3	36.3				37.48	
NSA-32				N/A		33.4	36.8	34.9	37.1	32.5				34.94	
NSA-33				N/A		34.5	34.1	37.6	35.7	33.5				35.08	

Notes: Drill started at 730, stopped 1710 Wildlife 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:	6/27/2025	Footage:	1344	Depth:	61-foot	Phase:	Pilot
--------	------	-------	-----------	----------	------	--------	---------	--------	-------

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	Yes
	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		43.7	46.3	45.8	46.5	N/A	N/A	N/A		45.58	
NSA-29				N/A		36.4	37.8	34.5	36.7	N/A	N/A	N/A		36.35	
NSA-32				N/A		35.1	37.3	35.7	33.8	N/A	N/A	N/A		35.48	
NSA-33				N/A		34.1	35.4	36.3	38.3	N/A	N/A	N/A		36.03	

Notes: Drill started at 730, stopoped 1645 Wild life in the area. Contractor had two IRs: one of 5 gallons, which was contained with silt fence and cleaned up with shovels and buckets,; and a second IR of 120 gallons which occurred when the contractor attempted to feed a loss-control material. Both releases were contained and cleaned up.



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:	6/28/2025	Footage:	1344	Depth:	61-foot	Phase:	Pilot
--------	------	-------	-----------	----------	------	--------	---------	--------	-------

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	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-28					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
NSA-29					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
NSA-32					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
NSA-33					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			

Notes: Drill did not operate.



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:	6/30/2025	Footage:	1344	Depth:	61-foot	Phase:	Pilot
--------	------	-------	-----------	----------	------	--------	---------	--------	-------

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	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-28					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
NSA-29					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
NSA-32					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
NSA-33					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			

Notes: Drill did not operate.



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:	7/1/2025	Footage:	1344	Depth:	61-foot	Phase:	Not operating
--------	------	-------	----------	----------	------	--------	---------	--------	---------------

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	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-28					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-29					N/A	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-33					N/A	N/A	N/A	N/A	N/A	N/A					

Notes: Drill did not operate.



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:	7/2/2025	Footage:	1494	Depth:	60-foot	Phase:	Pilot
--------	------	-------	----------	----------	------	--------	---------	--------	-------

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	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-28				N/A		40.2	43.1	39.5	41.2	39.7				40.74	
NSA-29				N/A		36.1	38.7	37.1	36.5	37.1				37.10	
NSA-32				N/A		29.6	31.4	26.5	31.4	30.1				29.80	
NSA-33				N/A		38.7	39.0	37.1	36.1	37.2				37.62	

Notes: Drill commenced at 745 to 1820, Wildlife in the area while conducting noise monitoring.



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:	7/3/2025	Footage:	1652	Depth:	60-foot	Phase:	Pilot
--------	------	-------	----------	----------	------	--------	---------	--------	-------

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	41.4	40.4	39.3	42.3	38.9				40.46	
NSA-29					N/A	35.4	37.9	38.1	35.9	37.7				37.00	
NSA-32					N/A	33.3	34.2	34.7	35.5	35.3				34.60	
NSA-33					N/A	35.6	37.3	34.9	36.1	37.5				36.28	

Notes: Drill commenced at 745 to 1820, Wildlife in the area while conducting noise monitoring.



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:	6/23/25	Footage:	138	Depth:	10.85	Phase:	Not operating
--------	------	-------	---------	----------	-----	--------	-------	--------	---------------

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					

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



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:	6/24/25	Footage:	83	Depth:	9.1	Phase:	Pullback
--------	------	-------	---------	----------	----	--------	-----	--------	----------

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		48.2				48.20	
NSA-32					N/A	N/A	N/A	N/A	N/A	49.2				49.20	
NSA-35					N/A	N/A	N/A	N/A	N/A	50.0				50.00	
NSA-36					N/A	N/A	N/A	N/A	N/A	49.6				49.60	

Notes: Drill P4-6 began the ream/pullback at 11:16. At 12:15 the crew advised that they had lost the reamer. Further investigation revealed that a rod had broken on the south side of 180th Street 83 feet from the north



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:	6/25/25	Footage:	55	Depth:	10.85	Phase:	Pullback
--------	------	-------	---------	----------	----	--------	-------	--------	----------

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	50.1	52.0	N/A	N/A	48.2				50.10	
NSA-32					N/A	49.6	49.0	N/A	N/A	49.2				49.27	
NSA-35					N/A	48.5	50.0	N/A	N/A	50.0				49.50	
NSA-36					N/A	50.2	50.2	N/A	N/A	49.6				50.00	

P4-6 Continued the ream/pullback at 7:45 am and completed the ream/pullback at 12:00 pm. Rain interfered with the decibel readings.



Environmental Procedure
Appendix M: Horizontal Directional Drill Daily Report

380.203m
1 of 1

Project: NL25 Elk River 3rd BL Extension

WO: 1146979

Drill:	P4-7	Date:	7/1/25	Footage:	157	Depth:	11.71	Phase:	Pilot
--------	------	-------	--------	----------	-----	--------	-------	--------	-------

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	48.0	48.5	N/A				48.25	
NSA-32					N/A	N/A	N/A	47.7	48.1	N/A				47.90	
NSA-35					N/A	N/A	N/A	47.9	48.1	N/A				48.00	
NSA-36					N/A	N/A	N/A	47.1	47.9	N/A				47.50	

P4-7-Mears HDD started the pilot at 11:27 am and completed the pilot at 3:00 pm. Decibal readings were somewhat affected by high winds today.



Environmental Procedure
Appendix M: Horizontal Directional Drill Daily Report

380.203m
1 of 1

Project: NL25 Elk River 3rd BL Extension

WO: 1146979

Drill:	P4-7	Date:	7/2/25	Footage:	157	Depth:	11.71	Phase:	Pullback
--------	------	-------	--------	----------	-----	--------	-------	--------	----------

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	48.0	49.2				48.60	
NSA-32					N/A	N/A	N/A	N/A	49.0	50.0				49.50	
NSA-35					N/A	N/A	N/A	N/A	49.8	49.7				49.75	
NSA-36					N/A	N/A	N/A	N/A	48.9	49.7				49.30	

P4-7-Mears HDD started the ream/pullback at 1:22pm and did not complete the task till 6:00 pm. High winds hampered decibel readings along with constant traffic.