



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

June 12, 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. 8

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 8, 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. 8**  
**Period Ending June 8, 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-line<sup>1</sup>; (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 welding 36-inch-diameter mainline pipe south of 154th Street May 27, 2025. K&K commenced sandblasting and coating completed mainline welds south of 165th Street May 27, 2025. K&K commenced sandblasting and coating completed mainline welds south of 154th Street May 29, 2025. K&K completed removal and stockpiling topsoil south of 140th Street. K&K completing topsoil removal for the Lake Mills to Albert Lea E-line extension May 30, 2025. K&K commenced welding mainline pipe south of 140th Street June 4, 2025. K&K completed welding mainline pipe south of 165th Street June 6, 2025. K&K commenced and completed installation of the four-joint section of 36-inch-diameter mainline pipe for the 165th Street road crossing June 4, 2025.

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<sup>1</sup> 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

One rain event of 0.50 inch or greater occurred during this reporting period. One rain event of 1.25 inches occurred June 4, 2025. During this reporting period the project received 3.50 inches of precipitation. To date, the project has received 8.95 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	60%	Welding is ongoing
Ditching	6/6/2025	1%	Trenching has commenced
Lower-in	6/6/2025	1%	Lowering-in has commenced
Backfill	6/6/2025	1%	Backfill has commenced
Topsoil Restoration			
Removal of existing E-line tie-over valve setting			
New Lake Mills 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 line pipe
2. Continue sandblasting and coating
3. Continue trenching
4. Continue lowering-in
5. Continue backfill
6. Commence 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 Conducted<sup>2</sup>: This reporting period: 24 Total to date: 75

### Construction Status:

Otis completed topsoil segregation on the Elk River 3rd branch line. Otis completed seeding and mulching all stored stockpiles. Otis completed stringing and welding bore pipe on horizontal directional drill (HDD) P4-3 and P4-4. Otis completed stringing HDD P4-5, P4-6 and P4-7. Otis commenced welding HDD P4-5. Otis continued mat installation of access roads on the Elk River 3rd branch line. Acoustic Controls, a third-party sub-contractor of Otis, completed sound wall installation on HDD P4-3 and P4-4 and commenced sound wall installation on HDD P4-5. Mears Group Inc. (Mears), a third-party HDD sub-contractor of Otis, completed the pilot phase on HDD P4-3 and commenced the ream pass. 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

Otis constructed a timber mat crossing of wetland ERT-W15.

### Rain Events

One rain event of 0.50 inch or greater occurred during this reporting period. A 2.60-inch rain occurred on June 4, 2025. To date the project has received 7.58 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	40%	Stringing is ongoing
Welding	5/16/2025	31%	Welding is ongoing
Ditching			
HDD ERT P4-1			
HDD ERT P4-2			
HDD ERT P4-3	5/22/2025	70%	Mears completed the pilot and commenced reaming
HDD ERT P4-4			
HDD ERT P4-5			
HDD ERT P4-6			
HDD ERT P4-7			
Lower-in			
Backfill			

<sup>2</sup> 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 bore pipe stringing
3. Continue stringing line pipe
4. Complete HDD P4-3
5. Commence HDD P4-2 and P4-4
6. Commence stopple bypass at milepost (MP) 1.0
7. 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-ground<sup>3</sup> 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 Conducted<sup>2</sup>: This reporting period: 24 Total to date: 75

### Construction Status:

Otis continued hydro-vacuum excavation within the Hugo compressor station. Otis commenced dewatering activities in the Hugo compressor station.

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<sup>3</sup> 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.

**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 1.40 inches occurred June 4, 2025. To date the project has received 6.08 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			
Stringing			
Welding			
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
Farmington tie-over valve setting			
Clean-up			
Seeding			
*Completed totals include either percentage completed or date all completed. All totals are approximate.			

### Two-Week Projection

1. Continue hydro-vac excavation in the Hugo compressor station
2. Expose tie-in locations to inspect pipe conditions
3. Commence topsoiling

### Farmington to Hugo C-line Related Spill Totals

A 6.23-gallon spill occurred from a hydro-vacuum truck in the Hugo compressor station due to a broken water pump May 29, 2025. A total of 5.23 gallons hit the ground and one gallon was captured in the containment for a total of 6.23 gallons. The spill was cleaned up and containerized for proper disposal. Northern reported the spill to the Minnesota Duty Officer.

### 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: 6 Total to date: 20

**Construction Status:** K&K completed stump removal from MP 2.25 to MP 2.9 May 28, 2025. K&K commenced erosion control device (ECD) installation from MP 2.55 to MP 3.35 May 30, 2025. K&K commenced topsoil segregation from MP 2.55 to MP 3.25 May 30, 2025. K&K commenced stringing of mainline pipe on the east side of Gardner Avenue from MP 2.67 to MP 2.95 June 2, 2025. K&K commenced welding of mainline pipe on the east side of Gardner Avenue from MP 2.67 to MP 2.95. K&K completed all road approach and tracking pad installation June 5, 2025. K&K completed stump removal from MP 3.1 to MP 3.2 June 7, 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 2.35 inches occurred June 4, 2025. During this reporting period the project received 2.35 inches of precipitation. To date, the project has received 4.15 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	35%	Grading is ongoing
Stringing	6/2/2025	15%	Stringing commenced
Welding	6/3/2025	15%	Welding commenced
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			
Tomah Tie-over valve setting			
Clean-up			
Seeding			
*Completed totals include either percentage completed or date all completed. All totals are approximate.			

### Two-Week Projection

1. Complete ECD installation
2. Continue topsoil segregation
3. Continue stringing
4. Continue welding
5. Commence sandblasting and coating
6. Commence mobilization for HDD P4-1 and P4-2
7. Commence bending

### 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

One contractor 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: To be determined (TBD)

Overall Construction Start Date: Anticipated July 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



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2. A pre-construction meeting is tentatively scheduled for the week of July 7, 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 east at MP 33.0, K&K welding mainline pipe



Facing southwest at MP 33.9, K&K sandblasting and coating completed mainline welds

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Facing southwest at MP 31.3, K&K utilizing a track hoe to remove and stockpile topsoil



Facing north at MP 34.2, K&K trenching for 165th Street road crossing



Facing south at MP 34.2, K&K lowering-in four-joint section for 165th Street road crossing

**Elk River 3rd Branch Line**



HDD P4-3 completed pilot pass and commenced ream pass



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Facing north near MP 1.0, mulching stockpiles being completed



Facing west near MP 1.4, topsoil segregation being completed



Mat crossing of wetland ERT-W15 completed



Facing south near MP 1.8, welding, blasting and coating ongoing



Sound wall installation for HDD P4-3 completed

**Farmington-Hugo C-Line Extension**



Facing east at MP 0.1, view of Otis utilizing the hydro vac truck in the Hugo compressor station





Facing south at MP 0.1, view of the dewatering structure in the Hugo compressor station



Facing south at MP 1.0, view of the eagle nesting area



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Facing east at MP 0.1, view of the hydro-vacuum truck in containment with the spill contained



Facing east at MP 0.1, view of the area in which the spill occurred and was cleaned up

**Tomah Branch Line Loop**



Facing east near MP 3.2, contractor continues topsoil segregation



Facing east near MP 2.25, contractor installing tracking pad



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Facing northwest near MP 3.25, contractor installing ECDs



Facing east near MP 2.7, contractor stringing mainline pipe



Facing east near MP 2.75, contractor welding mainline 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:	5/28/2025	Footage:	368-foot	Depth:	51.8-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	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-11					N/A	N/A	N/A	27.1	22.0	N/A				24.55	
NSA-12					N/A	N/A	N/A	23.2	26.7	N/A				24.95	
NSA-13					N/A	N/A	N/A	22.1	30.2	N/A				26.15	
NSA-14					N/A	N/A	N/A	29.4	27.6	N/A				28.50	
NSA-15					N/A	N/A	N/A	32.4	24.3	N/A				28.35	
NSA-16					N/A	N/A	N/A	27.4	22.7	N/A				25.05	
NSA-17					N/A	N/A	N/A	26.3	20.7	N/A				23.50	
NSA-18					N/A	N/A	N/A	33.0	28.4	N/A				30.70	
NSA-19					N/A	N/A	N/A	32.4	25.1	N/A				28.75	
NSA-20					N/A	N/A	N/A	33.3	30.8	N/A				32.05	
NSA-21					N/A	N/A	N/A	52.3	47.3	N/A				49.80	
NSA-22					N/A	N/A	N/A	29.4	35.3	N/A				32.35	
NSA-23					N/A	N/A	N/A	25.2	35.3	N/A				30.25	
NSA-24					N/A	N/A	N/A	33.8	36.4	N/A				35.10	
NSA-25					N/A	N/A	N/A	25.7	30.7	N/A				28.20	
NSA-26					N/A	N/A	N/A	26.4	26.3	N/A				26.35	
NSA-27					N/A	N/A	N/A	44.3	51.1	N/A				47.70	
NSA-28					N/A	N/A	N/A	29.5	28.9	N/A				29.20	
NSA-29					N/A	N/A	N/A	24.4	31.2	N/A				27.80	

Notes: Drill P4-3 commenced at 1130. Drill stopped operating at 1645.



**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:	5/28/2025	Footage:	368-foot	Depth:	51.8-foot	Phase:	Pilot

Drilling Fluids:	MAXGEL	Approved by DES	Yes
	Water	Approved by DES	Yes
	Soda Ash Right Turn Supply, Drill-Plex HDD	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-11					N/A	N/A	N/A	27.1	22.0	N/A				24.55	
NSA-12					N/A	N/A	N/A	23.2	26.7	N/A				24.95	
NSA-13					N/A	N/A	N/A	22.1	30.2	N/A				26.15	
NSA-14					N/A	N/A	N/A	29.4	27.6	N/A				28.50	
NSA-15					N/A	N/A	N/A	32.4	24.3	N/A				28.35	
NSA-16					N/A	N/A	N/A	27.4	22.7	N/A				25.05	
NSA-17					N/A	N/A	N/A	26.3	20.7	N/A				23.50	
NSA-18					N/A	N/A	N/A	33.0	28.4	N/A				30.70	
NSA-19					N/A	N/A	N/A	32.4	25.1	N/A				28.75	
NSA-20					N/A	N/A	N/A	33.3	30.8	N/A				32.05	
NSA-21					N/A	N/A	N/A	52.3	47.3	N/A				49.80	
NSA-22					N/A	N/A	N/A	29.4	35.3	N/A				32.35	
NSA-23					N/A	N/A	N/A	25.2	35.3	N/A				30.25	
NSA-24					N/A	N/A	N/A	33.8	36.4	N/A				35.10	
NSA-25					N/A	N/A	N/A	25.7	30.7	N/A				28.20	
NSA-26					N/A	N/A	N/A	26.4	26.3	N/A				26.35	
NSA-27					N/A	N/A	N/A	44.3	51.1	N/A				47.70	
NSA-28					N/A	N/A	N/A	29.5	28.9	N/A				29.20	
NSA-29					N/A	N/A	N/A	24.4	31.2	N/A				27.80	

Notes: Drill P4-3 commenced at 1130. Drill stopped operating at 1645.



**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:	5/29/2025	Footage:	432-foot	Depth:	51.8-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	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	26.4	N/A	37.2	N/A				32.67	
NSA-15					N/A	28.4	32.1	N/A	34.1	N/A				31.53	
NSA-18					N/A	29.8	26.6	N/A	39.2	N/A				31.87	
NSA-19					N/A	34.7	28.4	N/A	43.2	N/A				35.43	
NSA-21					N/A	48.2	38.4	N/A	49.6	N/A				45.40	
NSA-22					N/A	35.9	27.3	N/A	41.1	N/A				34.77	
NSA-27					N/A	43.8	44.5	N/A	44.5	N/A				44.27	
NSA-28					N/A	22.5	25.7	N/A	46.3	N/A				31.50	

Notes: Drill P4-3 commenced at 0735. Drill stopped from 1100 - 1230. Drill stopped operating at 1645. Breezy day, Storm Rolled in at 1500 wind and rain present, causing higher than normal 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:	P4-3	Date:	5/30/2025	Footage:	877-foot	Depth:	51.8-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		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	28.3	34.6	36.2	N/A				33.70	
NSA-15					N/A	35.1	29.1	33.4	29.7	N/A				31.83	
NSA-18					N/A	36.2	29.5	37.1	35.7	N/A				34.63	
NSA-19					N/A	38.5	36.3	36.8	37.5	N/A				37.28	
NSA-21					N/A	48.7	38.4	45.6	41.2	N/A				43.48	
NSA-22					N/A	37.7	34.7	38.2	35.1	N/A				36.43	
NSA-27					N/A	47.9	45.5	46.1	46.7	N/A				46.55	
NSA-28					N/A	24.5	25.7	22.9	25.2	N/A				24.58	

Notes: Drill P4-3 commenced at 0735. Drill stopped at 1650





**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:	5/31/2025	Footage:	1290-foot	Depth:	0-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		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	33.2	35.2	31.6	N/A	N/A				33.33	
NSA-15					N/A	34.7	36.2	28.6	N/A	N/A				33.17	
NSA-18					N/A	34.2	30.1	34.1	N/A	N/A				32.80	
NSA-19					N/A	35.5	35.3	32.4	N/A	N/A				34.40	
NSA-21					N/A	48.6	49.4	44.8	N/A	N/A				47.60	
NSA-22					N/A	35.5	34.7	34.2	N/A	N/A				34.80	
NSA-27					N/A	46.3	43.3	45.7	N/A	N/A				45.10	
NSA-28					N/A	23.5	22.1	24.2	N/A	N/A				23.27	

Notes: Drill P4-3 commenced at 0735. Drill stopped at 1400.



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:	6/2/2025	Footage:	0	Depth:	0-foot	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	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	N/A	N/A	N/A	N/A					
NSA-15					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-18					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-19					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-21					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-22					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-27					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-28					N/A	N/A	N/A	N/A	N/A	N/A					

Notes: Drill P4-3 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:	P4-3	Date:	6/3/2025	Footage:	130	Depth:	15-foot	Phase:	First 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,C12:O12 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	N/A	N/A	N/A	N/A	N/A					
NSA-15					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-18					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-19					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-21					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-22					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-27					N/A	N/A	N/A	N/A	N/A	N/A					
NSA-28					N/A	N/A	N/A	N/A	N/A	N/A					

Notes: Drill P4-3 operated off and on due to mud flow issues. Drill started 1115 to 1140, Started 1400 to 1450, Started 1510 to 1640.



**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:	6/4/2025	Footage:	332	Depth:	45-foot	Phase:	First 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	38.9	39.6	N/A	N/A	N/A				39.25	
NSA-15					N/A	40.5	39.2	N/A	N/A	N/A				39.85	
NSA-18					N/A	39.7	37.9	N/A	N/A	N/A				38.80	
NSA-19					N/A	40.3	41.1	N/A	N/A	N/A				40.70	
NSA-21					N/A	57.1	53.3	N/A	N/A	N/A				55.20	
NSA-22					N/A	36.7	35.1	N/A	N/A	N/A				35.90	
NSA-27					N/A	44.5	41.6	N/A	N/A	N/A				43.05	
NSA-28					N/A	24.6	23.3	N/A	N/A	N/A				23.95	

Notes: Drill P4-3 started 720 to 750, Started 830 to 1140, Started 1504 to 1655. NSA 21 construction work being conducted at house location radio playing loud music, water trucks unload from the road, lots of road traffic



**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:	6/5/2025	Footage:	774	Depth:	51.8	Phase:	First 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	Yes

Person Walking Drill Path	Nelson Casey	Role	EI	Frequency	Hourly	IR Detected	No
	Devon Hardy		Contractor		Continously		
			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	37.1	34.9	35.3	N/A				35.75	
NSA-15					N/A	34.2	36.2	33.3	36.1	N/A				34.95	
NSA-18					N/A	35.5	35.9	37.8	36.5	N/A				36.43	
NSA-19					N/A	37.9	36.7	38.4	35.5	N/A				37.13	
NSA-21					N/A	49.1	52.3	47.5	48.6	N/A				49.38	
NSA-22					N/A	34.3	32.9	35.1	34.8	N/A				34.28	
NSA-27					N/A	44.5	43.1	46.3	44.2	N/A				44.53	
NSA-28					N/A	23.6	24.4	22.1	23.5	N/A				23.40	

Notes: Drill P4-3 started 830 to 1640. NSA 21 construction work being conducted at house location radio playing loud music, water trucks unload from the road, lots of road traffic. Road Crew repave Irvine Ave.



**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:	6/6/2025	Footage:	1290	Depth:	0-foot	Phase:	First 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	31.6	34.1	32.1	35.7	N/A				33.38	
NSA-15					N/A	35.2	31.8	32.5	34.8	N/A				33.58	
NSA-18					N/A	34.7	37.3	36.2	35.3	N/A				35.88	
NSA-19					N/A	38.1	36.7	27.9	32.5	N/A				33.80	
NSA-21					N/A	56.8	53.3	58.4	51.1	N/A				54.90	
NSA-22					N/A	38.4	36.7	37.1	38.4	N/A				37.65	
NSA-27					N/A	46.9	42.3	44.7	41.3	N/A				43.80	
NSA-28					N/A	25.2	23.5	24.5	22.1	N/A				23.83	

Notes: Drill P4-3 started 830 to 1640. NSA 21 construction work being conducted at house location radio playing loud music, water trucks unload from the road, lots of road traffic. Road Crew repave Irvine Ave, lawn mower



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:	6/7/2025	Footage:	65	Depth:	15-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	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	N/A	N/A	N/A	29.8	N/A				29.80	
NSA-15					N/A	N/A	N/A	N/A	31.2	N/A				31.20	
NSA-18					N/A	N/A	N/A	N/A	35.2	N/A				35.20	
NSA-19					N/A	N/A	N/A	N/A	33.5	N/A				33.50	
NSA-21					N/A	N/A	N/A	N/A	43.6	N/A				43.60	
NSA-22					N/A	N/A	N/A	N/A	37.3	N/A				37.30	
NSA-27					N/A	N/A	N/A	N/A	38.5	N/A				38.50	
NSA-28					N/A	N/A	N/A	N/A	24.7	N/A				24.70	

Notes: Drill P4-3 started 1300 to 1705. birds in noise monitoring area.