



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

January 31, 2020

Via eFiling

Ms. Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

Re: Northern Natural Gas Company
Northern Lights 2019 and Rochester Expansion Projects
Docket No. CP18-534-000
Biweekly Environmental Inspection Report #23

Dear Ms. Bose:

Pursuant to Condition 8 of the Order Issuing Certificate and Approving Abandonment issued by the Federal Energy Regulatory Commission (FERC) February 21, 2019, Northern Natural Gas hereby submits for filing in the above-referenced docket its biweekly environmental inspector report for the period ending January 26, 2020. Following consultation with FERC staff, Northern will file monthly reports until restoration activities resume in spring 2020.

Any questions regarding the filing should be directed to the undersigned at (402) 398-7103.

Respectfully submitted,

/s/ Michael T. Loeffler

Michael T. Loeffler
Senior Director, Certificates and External Affairs

Northern Natural Gas Company**Northern Lights 2019 and Rochester Expansion Projects (CP18-34-000)****Biweekly Status Report No. 23****January 13, 2020 – January 26, 2020****PROJECT DESCRIPTION**

Northern Natural Gas (Northern) is constructing and will operate (all in Minnesota):

- Approximately 22.2 miles of new 16- and 24-inch-diameter greenfield pipeline
- Approximately 8.9 miles of new 24-, eight-, and six-inch-diameter pipeline loops and extensions
- One new compressor station
- Additional compression and related modifications to two existing compressor stations
- One new town border station (TBS)
- An increase of the maximum allowable operating pressure (MAOP) for approximately eight miles of 16-inch-diameter pipeline and the relocation of a regulator facility

FEDERAL AUTHORIZATION STATUS

The status of all federal authorizations, as well as local and state permits required, are listed in the table below.

| Authorization Status | | |
|----------------------------------|---|---|
| Agency Name | Permit/Authorization/Letter of Concurrence | Status |
| FERC | Certificate for construction and operation of interstate natural gas transmission pipeline facilities ¹ | Issued February 21, 2019 |
| EPA | Clean Air Act permits and approvals | Delegated to the state (MPCA) |
| | CWA Section 401 Water Quality Certification | Delegated to the state (MPCA) |
| | CWA Section 402 permits for wastewater or stormwater discharges | Delegated to the state (MPCA) |
| NRCS | Conservation Easement Program and seeding recommendations; Conservation Reserve Program ¹ | Consultation complete March 2018. |
| USACE – St. Paul District | CWA Section 404 – Dredge and Fill Permit; Section 10 Rivers and Harbors Act ¹ Utility Regional General Permit without preconstruction notification | Concurrence received December 11, 2018 |
| USFWS – Twin Cities Field Office | Section 7 Endangered Species Act, Bald and Golden Eagle Protection Act, and MBTA ¹ No effect for all species, except northern long-eared bat 4D rule | Consultation complete December 21, 2018 |
| Native American Tribes | NHPA and Section 106 consultation to determine if the project will have impact on receptors of Native American cultural importance ¹ | Ongoing coordination with Upper Sioux Community regarding a tribal monitor for the Alexandria branch line loop extension and Rockford to Buffalo greenfield lateral |
| MPCA | For the Faribault compressor station, Clean Air Act, Prevention of Significant Deterioration Minor Construction/Title V Major Air Operations Permit. For the Carver and Owatonna compressor stations, Clean Air Act, Prevention of Significant Deterioration Minor Construction/Title V Minor Air Operation Permit ² | Permit applications submitted September 28, 2018. Permit for the Owatonna compressor station received February 25, 2019. Faribault received April 26, 2019. Carver anticipated May 2019 |
| | Section 401 Water Quality Certification ¹ | Authorization concurrent with USACE Section 404 approval. No individual 401 certification will be required. |
| | NPDES Stormwater Permit ¹ | Owatonna, Faribault, and Carver compressor stations received March 15, 2019. New Prague branch line and Alexandria branch line received April 16, 2019. Rockford to Buffalo |

| Authorization Status | | |
|--|--|--|
| Agency Name | Permit/Authorization/Letter of Concurrence | Status |
| | | received April 26, 2019, Rochester received May 1, 2019. Willmar C-line received May 10, 2019. LaCrosse branch line MAOP uprate received July 15, 2019. |
| | NPDES Trench Water Discharge Permit ¹ | Owatonna, Faribault, and Carver compressor stations received March 15, 2019. New Prague branch line and Alexandria branch line received April 16, 2019. Rockford to Buffalo received April 26, 2019, Rochester received May 1, 2019. Willmar C-line received May 10, 2019. LaCrosse branch line MAOP uprate received July 15, 2019. |
| | State License to Cross Public Lands and Waters ¹ | Received April 25, 2019. |
| | State Protected Species Consultation ¹ | Consultation complete December 20, 2019 |
| MDNR | Water Appropriation Permit General Permit 1997-0005 ¹ | Faribault compressor station received March 15, 2019. Owatonna compressor station received March 19, 2019. Carver compressor station received March 21, 2019. New Prague branch line received April 8, 2019. Alexandria branch line received April 9, 2019. Rockford to Buffalo greenfield received April 11, 2019. La Crosse branch line MAOP uprate and Willmar C-line received April 12, 2019. Rochester received April 26, 2019. Final water appropriation totals were filed for the New Prague branch line, Alexandria branch line loop extension, Rochester greenfield lateral, Carver compressor station, and Faribault compressor station November 27, 2019 |
| Minnesota Historical Society - SHPO | Section 106 Consultation, NHPA ¹ | Concurrence of "no historic properties affected" for Faribault and Owatonna compressor stations, New Prague branch line loop, Rochester TBS, La Crosse branch line MAOP regulator station, and La Crosse branch line MAOP uprate; and "no adverse effect on King Oscar's settlement" for Carver compressor station received September 27, 2018 The MN SHPO provided concurrence with findings of either "no historic properties affected," or "no adverse effect on historic properties" for all project facilities April 18, 2019. |
| Township Cooperative Planning Association-Olmsted County (TCPA) | Grading permit ³ | Permit issued May 7, 2019 |
| Soil and Water Conservation District-Olmsted County (SWCD) | Grading permit/wetland permit ³ | SWCD waived permit requirement since Northern is obtaining permit from TCPA |
| Hennepin County | Floodplain disturbance permit ² | Not required |
| Pioneer-Sarah Creek Watershed Management Commission ² | Wetland permit ² | USACE coordinated concurrence December 11, 2018 |
| Olmsted County SWCD | Wetland delineation concurrence for the Rochester project | USACE coordinated concurrence December 11, 2018 |
| Wright County SWCD | Wetland delineation concurrence for the Rockford to | USACE coordinated concurrence |

| Authorization Status | | |
|----------------------|--|-------------------|
| Agency Name | Permit/Authorization/Letter of Concurrence | Status |
| | Buffalo project ² | December 11, 2018 |

¹ Permit applications and authorizations apply to both the Rochester Project and NL 2019 Project

² Permit applications and authorizations apply to only NL 2019 Project

³ Permit applications and authorizations apply to only the Rochester Project

Carver Compressor Station

Northern constructed and is operating an 11,153-horse power (HP) greenfield compressor station in Carver County, Minnesota.

Environmental Training

One contractor constructed the Carver compressor station. The environmental training totals listed below reflect all training conducted for the Carver compressor station.

On-site Contractor: K & K Construction, LLC (K & K)

Overall Construction Start Date: April 22, 2019

Environmental Training Conducted: This reporting period: 0 Total to date: 119

Construction Status:

Civil: No civil work was completed during the reporting period.

Electrical: Electrical work is complete.

Mechanical: Mechanical work is complete.

Construction Modifications: No construction modifications occurred during this reporting period.

Stream Crossings and Environmentally Sensitive Areas

There are no stream crossings or other environmentally sensitive areas located within the workspace for the Carver compressor station.

Rain Events

Zero rain events of 0.5 inch or greater occurred during this reporting period. To date, the project has received 33.86 inches of precipitation.

| Carver Compressor Station Construction Progress | | | |
|---|------------|------------|--|
| Activity | Start Date | Completed | Notes |
| Site Preparation | 4/22/2019 | 05/18/2019 | Laydown yard is constructed and topsoil has been removed |
| Civil | 4/22/2019 | 99% | The contractor will repair/replace doors onsite |
| Permanent Stormwater | 9/25/2019 | 10/29/2019 | The permanent stormwater design has been installed |
| Pipeline Tie-ins | 5/17/2019 | 06/18/2019 | Pipeline tie-ins have been completed |
| Mechanical | 3/26/2019 | 10/18/2019 | Pipe sweeps and final bolt-ups are complete |
| Hydrostatic Testing | 6/1/2019 | 09/09/2019 | Final hydrostatic pressure testing is complete |
| Electrical | 5/8/2019 | 11/27/2019 | Electrical work is complete |

| | | | |
|---|-----------|------------|---------------------------------------|
| Commissioning | 9/03/2019 | 10/24/2019 | Commissioning is complete |
| Clean-Up and Restoration | 9/18/2019 | 11/12/2019 | Clean-up and restoration are complete |
| *Completed totals include either percentage completed or date all completed. All totals are approximate. Percentage completed references the location at time table was completed within this reporting period. | | | |

Two-Week Projection

1. Replace the roll-up door in the auxiliary building

Carver Compressor Station Related Spill Totals

All project derived waste will be properly managed and every effort will be made to eliminate spills. K & K made arrangements with OSI Environmental to manage and dispose of project derived hazardous waste. No spills occurred during this reporting period.

This reporting period: 0
 Total to date: 1

Quantity: 0.000 gallons
 Total quantity: 0.031 gallon

| Spills To Date | | | | |
|---|-----------|---------------------------|--------------|--|
| Spill No. | Date | Segment | Volume | Notes |
| 1 | 4/23/2019 | Carver Compressor Station | 0.031 gallon | A hydraulic hose fitting leak was detected on a bulldozer. The leak was contained, cleaned up, and repaired. |
| *The Minnesota Duty Officer will be notified of all spills meeting reporting requirements of the MPCA and/or MDNR. The National Response Center (NRC) will be notified as applicable. | | | | |

Owatonna Compressor Station

Northern constructed and is operating an additional 15,900-HP turbine unit (Unit No. 2) and appurtenant facilities at the Owatonna compressor station located in Steele County, Minnesota.

Environmental Training

One contractor constructed the Owatonna compressor station. The environmental training totals listed below reflect all training conducted for this project facility.

On-site Contractor: Ranger Plant Constructional Company, Inc. (Ranger)

Overall Construction Start Date: April 2, 2019

Environmental Training Conducted: This reporting period: 0 Total to date: 110

Construction Status:

Civil: Civil work is complete. All temporary stabilization is complete.

Mechanical: Mechanical work is complete.

Electrical: Apple Electric completed installation of two electrical outlets for the auxiliary building. ASI completed installation of security cameras for compressor buildings and programming of security system in the control room.

Construction Modifications: No construction modifications occurred during this

reporting period.

Stream Crossings and Environmentally Sensitive Areas

There are no stream crossings or other environmentally sensitive areas located within the workspace for the Owatonna compressor station.

Rain Events

No rain events of 0.5 inch or greater occurred during this reporting period. To date, the project has received 46.80 inches of precipitation.

| Owatonna Compressor Station Construction Progress | | | |
|---|------------|------------|---|
| Activity | Start Date | Completed | Notes |
| Site Preparation | 4/1/2019 | 7/26/2019 | Site preparation is completed |
| Civil | 4/9/2019 | 11/22/2019 | Civil work is completed |
| Permanent Stormwater | 4/24/2019 | 11/15/2019 | Infiltration trench is completed |
| Pipeline Tie-Ins | 9/10/2019 | 9/14/2019 | Tie-ins are completed |
| Mechanical | 4/19/2019 | 11/22/2019 | Mechanical work is completed |
| Hydrostatic Testing | 8/23/2019 | 8/24/2019 | Hydrostatic testing completed |
| Electrical | 6/3/2019 | 1/20/2020 | Electrical work is completed |
| Commissioning | 10/2/2019 | 11/1/2019 | Commissioning is completed |
| Clean-Up and Restoration | 10/14/2019 | 99% | Ranger completed clean-up and demobilizing. Due to onset of winter conditions, the site seeding work will be completed in spring 2020 |
| *Completed totals include either percentage completed or date all completed. All totals are approximate. Percentage completed references the location at time table was completed within this reporting period. | | | |

Two-Week Projection

1. Site seeding work will be completed in spring 2020

Owatonna Compressor Station Related Spill Totals

All project derived waste will be properly managed, and every effort will be made to eliminate spills. No spills occurred within this reporting period. Ranger will dispose of spill-related materials at the Steele County Environmental Landfill in Blooming Prairie, Minnesota, after classification of waste.

This reporting period: 0
 Total to date: 1

Quantity: 7.7925 gallons
 Total quantity: 7.7925 gallons

| Spills To Date | | | | |
|---|-----------|-----------------------------|----------------|--|
| Spill No. | Date | Segment | Volume | Notes |
| 1 | 6/19/2019 | Owatonna compressor station | 7.7925 gallons | Spill was completely contained and cleaned up. Contaminated soil was properly stored in hazardous waste barrels. (hydrostatic test water, and oil) |
| *The Minnesota Duty Officer will be notified of all spills meeting reporting requirements of the MPCA and/or MDNR. The National Response Center (NRC) will be notified as applicable. | | | | |

Willmar C-Line Extension

Northern will construct and operate an approximately 3.1-mile, 24-inch-diameter extension of the 12-inch-diameter Willmar C-line (MNB75602).

Environmental Training

One contractor will construct the Willmar C-line extension. The environmental training totals listed below reflect all training conducted for this project facility.

On-site Contractor: Minnesota Limited, LLC (Minnesota Limited)

Overall Construction Start Date: July 22, 2019

Environmental Training Conducted: This reporting period: 0 Total to date: 9

Construction Status: Minnesota Limited suspended installation of the retention wall January 9, 2020, due to frozen ground conditions. Minnesota Limited stabilized the launcher facility according to Northern's Winter Construction Plan.

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

Stream Crossings and Environmentally Sensitive Areas

Waterbody Feature – WLL-2-S1 (Plan and Profile No. P4-2) – crossed by HDD

Waterbody Feature – WLL-54-S1 (Plan and Profile No. P4-5) – crossed by HDD

Rain Events: No rain events of 0.5 inch or greater occurred during this reporting period. To date, this project has received 16.81 inches of precipitation.

| Willmar C-Line Extension Construction Progress | | | |
|---|----------------------------------|------------------------------------|--|
| Activity | Start Date | Completed | Notes |
| Survey | 7/17/2019 | 7/20/2019 | EFN surveyed all aspects of the project |
| Clearing | 7/22/2019 | 7/25/2019 | Clearing is 100% complete |
| Grading | 7/23/2019 | 8/26/2019 | Topsoil removal is 100% complete |
| Stringing | 8/3/2019 (ARO) 8/3/2019 (FBE) | 9/20/2019(ARO) 8/22/2019 (FBE) | Stringing of FBE and ARO piping is 100%complete |
| Welding | 8/5/2019 (ARO) 8/6/2019 (FBE) | 9/21/2019(ARO) 11/22/2019 (FBE) | Welding of ARO and FBE piping is 100% complete. |
| Ditching | 8/8/2019 | 11/16/2019 | Ditching is 100% complete |
| HDD P4-2 | 9/19/2019 | 10/8/2019 | P4-2 HDD is 100% complete |
| HDD P4-5 | 9/21/2019 | 11/15/2019 | P4-5 HDD is 100% complete. |
| Lower-in | 8/8/2019 | 11/20/2019 | Lowering-in is 100% complete. |
| Backfill | 8/9/2019 | 12/3/2019 | Backfill is 100% complete. |
| Civil | 10/15/2019 | 95% | Retention wall at launcher/receiver station east of 134 th Street and security fence around PIG launcher/receiver stations to be completed spring 2020. |
| Mechanical | 8/21/2019 | 11/13/2019 | Mechanical is 100% complete |
| Tie-ins | 8/17/2019 | 11/30/2019 | Tie-ins are 100% complete |
| Clean-up | 9/4/2019 | 12/20/2019 | Clean-up is 100% complete. |
| Seeding | | | Due to onset of winter conditions, seeding will be done spring 2020 |
| *Completed totals include either percentage completed or date all completed. All totals are approximate. | | | |

Two-Week Projection

1. Retention wall will be completed spring 2020.

Willmar C-Line Extension Related Spill Totals

All project derived waste will be properly managed and every effort will be made to eliminate spills. Minnesota Limited has made arrangements with Clean Harbors, Inc. to dispose of any hazardous waste. No spills occurred within this reporting period.

This reporting period: 0

Quantity: 0.0 gallons

Total to date: 0

Total quantity: 0.0 gallons

| Spills To Date | | | | |
|---|------|---------|--------|-------|
| Spill No. | Date | Segment | Volume | Notes |
| | | | | |
| *The Minnesota Duty Officer will be notified of all spills meeting reporting requirements of the MPCA and/or MDNR. The National Response Center (NRC) will be notified as applicable. | | | | |

PROJECT-WIDE AGENCY COMMUNICATIONS AND SITE VISITS

There were no project wide agency communications during this reporting period.

PROJECT-WIDE LANDOWNER CONCERNS

No landowner concerns were identified during this reporting period.

PROJECT-WIDE NON-COMPLIANCE CONCERNS

No project non-compliance concerns were identified during this reporting period.

Photos of this reporting period's activities

Carver Compressor Station



Facing north, view of the eastern grassy swale



Facing southwest, view of the western grassy swale

Owatonna Compressor Station



Facing southwest, erosion control blankets along berm of infiltration trench



Facing northwest, erosion control blankets for the septic system mound

Willmar C-Line Extension



Facing east at MP 1.7 access road, erosion control blanket is in good working condition