

AIR EMISSION PERMIT NO. 03700014- 002
INCORPORATING AN ADMINISTRATIVE AMENDMENT
IS ISSUED TO

Northern Natural Gas Company

Northern Natural Gas - Farmington

4685 212th Street West
Farmington, Dakota County, Minnesota 55024

The emission units, control equipment and emission stacks at the stationary source authorized in this permit are as described in the following permit application(s):

Permit Type	Application Date
Total Facility Operating Permit	09/15/1995

This permit authorizes the permittee to operate the stationary source at the address listed above unless otherwise noted in Table A. The permittee must comply with all the conditions of the permit. Any changes or modifications to the stationary source must be performed in compliance with Minn. R. 7007.1150 to 7007.1500. Terms used in the permit as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

Permit Type: Part 70/Major for NSR
Issue Date: January 18, 2000
Expiration: November 4, 2002
All Title I Conditions do not expire.

Bonnie Nelson

Rodney E. Massey, P.E.
Director
North and South Districts

for Karen A. Studders
Commissioner
Minnesota Pollution Control Agency

BN:lk

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NOTICE TO THE PERMITTEE:

Your stationary source may be subject to the requirements of the Minnesota Pollution Control Agency's (MPCA) solid waste, hazardous waste, and water quality programs. If you wish to obtain information on these programs, including information on obtaining any required permits, please contact the MPCA general information number at:

Metro Area	(651) 296-6300
Outside Metro Area	1-800-657-3864
TTY	(651) 282-5332

The rules governing these programs are contained in Minn. R. chs. 7000-7105. Written questions may be sent to: Minnesota Pollution Control Agency, 520 Lafayette Road North, St. Paul, Minnesota 55155-4194.

Questions about this air emission permit or about air quality requirements can also be directed to the telephone numbers and address listed above.

PERMIT SHIELD:

Subject to the limitations in Minn. R. 7007.1800, compliance with the conditions of this permit shall be deemed compliance with the specific provision of the applicable requirement identified in the permit as the basis of each condition.

FACILITY DESCRIPTION:

The Farmington Compressor Station is used to pressurize natural gas in order to facilitate its transmission through a pipeline system. The main component of the facility is a compressor building which houses five natural gas-fired reciprocating compressor engines and a natural gas-fired turbine.

DESCRIPTION OF MODIFICATION:

The MPCA initiated an administrative amendment to remove a permit condition contained in Table C - Compliance Schedule. Table C of the permit required the permittee to submit a Progress Report every six months, without an end date specified. The facility is compliance with all applicable requirements, therefore the requirement to submit a Progress Report is meaningless. This requirement will be deleted.

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

Table A contains limits and other requirements with which your facility must comply. The limits are located in the first column of the table (What To do). The limits can be emission limits or operational limits. This column also contains the actions that you must take and the records you must keep to show that you are complying with the limits. The second column of Table A (Why to do it) lists the regulatory basis for these limits. Appendices included as conditions of your permit are listed in Table A under total facility requirements.

Subject Item:**Total Facility**

What to do	Why to do it
Nitrogen Oxides: less than or equal to 100 micrograms/cubic meter at the facility property line. Fenceline and beyond NOx concentrations shall be determined by using an approved computer model and protocol, including use of NOx emission rates determined during performance testing.	Title I Condition: to avoid violation of 40 CFR Section 50.11; Minn. R. 7009.0020
Operation and Maintenance Plan: Retain at the stationary source an operation and maintenance plan for all air pollution control equipment.	Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J)
Performance Testing: Conduct all performance tests in accordance with Minn. R. ch. 7017 unless otherwise noted in Tables A, B, and/or C.	Minn. R. ch. 7017
Operating and/or production limits will be placed on emission units based on operating conditions during compliance testing. Limits set as a result of a compliance test (conducted before or after permit issuance) apply until new operating/production limits are set following formal review of a performance test as specified by Minn. R. 7017.2025.	Minn. R. 7017.2025
Monitoring Equipment: Install or make needed repairs to monitoring equipment within 60 days of issuance of the permit if monitoring equipment is not installed and operational on the date the permit is issued.	Minn. R. 7007.0800, subp. 4(D)
Monitoring Equipment Calibration: Annually calibrate all required monitoring equipment (any requirements applying to continuous emission monitors are listed separately in this permit).	Minn. R. 7007.0800, subp. 4(D)
Operation of Monitoring Equipment: Unless otherwise noted in Tables A, B, and/or C, monitoring a process or control equipment connected to that process is not necessary during periods when the process is shutdown, or during checks of the monitoring systems, such as calibration checks and zero and span adjustments. If monitoring records are required, they should reflect any such periods of process shutdown or checks of the monitoring system.	Minn. R. 7007.0800, subp. 4(D)
Circumvention: Do not install or use a device or means that conceals or dilutes emissions, which would otherwise violate a federal or state air pollution control rule, without reducing the total amount of pollutant emitted.	Minn. R. 7011.0020
Shutdowns: Notify the Commissioner at least 24 hours in advance of shutdown of any process or control equipment if the shutdown would cause an increase in the emission of air contaminants. At the time of notification, notify the Commissioner of the cause of the shutdown and the estimated duration. Notify the Commissioner again when the shutdown is over.	Minn. R. 7019.1000, subp. 1
Breakdowns: Notify the Commissioner immediately of a breakdown of more than one hour duration of any process or control equipment if the breakdown causes an increase in the emission of air contaminants. At the time of notification or as soon thereafter as possible, the permittee shall also notify the Commissioner of the cause of the breakdown and the estimated duration. Notify the Commissioner again when the breakdown is over.	Minn. R. 7019.1000, subp. 2
Oral Notification of Deviations Endangering Human Health or the Environment: Within 24 hours of discovery, orally notify the Commissioner of any deviation from permit conditions which could endanger human health or the environment.	Minn. R. 7007.0800, subp. 6(A)
Written Notification of Deviations Endangering Human Health or the Environment Report: Within 2 working days of discovery, notify the Commissioner in writing of any deviation from permit conditions which could endanger human health or the environment. Include the following information in this written description: cause of the deviation; exact dates of the period of the deviation; if the deviation has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation.	Minn. R. 7007.0800, subp. 6(A)
Air Pollution Control Equipment: Operate all pollution control equipment whenever the corresponding process equipment and emission units are operated, unless otherwise noted in Table A.	Minn. R. 7007.0800, subp. 2; Minn. R. 7007.0800, subp. 16(J)
Fugitive Emissions: Do not cause or permit the handling, use, transporting, or storage of any material in a manner which may allow avoidable amounts of particulate matter to become airborne. Comply with all other requirements listed in Minn. R. 7011.0150.	Minn. R. 7011.0150

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

Application for Permit Amendment: If you need a permit amendment, submit application in accordance with the requirements of Minn. R. 7007.1150 through Minn. R. 7007.1500. Submittal dates vary, depending on the type of amendment needed.	Minn. R. 7007.1150 through Minn. R. 7007.1500
Extension Requests: The Permittee may apply for an Administrative Amendment to extend a deadline in a permit by no more than 120 days, provided the proposed deadline extension meets the requirements of Minn. R. 7007.1400, subp. 1(H)	Minn. R. 7007.1400, subp. 1(H)
Record keeping: Maintain records describing any insignificant modifications (as required by Minn. R. 7007. 1250, subp. 3) or changes contravening permit terms (as required by Minn. R. 7007.1350 subp. 2), including records of the emissions resulting from those changes.	Minn. R. 7007. 0800, subp. 5(B)
Record keeping: Retain all records at the facility, for a period of five (5) years from the date of monitoring, sample, measurement, or report. Records which must be retained at this location include all calibration and maintenance records, all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. Records must conform to the requirements listed in Minn. R. 7007.0800, subp. 5(A).	Minn. R. 7007.0800, subp. 5(C)
Noise: The Permittee shall comply with the noise standards set forth in Minn. R. 7030.0010 to 7030.0080 at all times during the operation of any emission units. This is a state only requirement and is not federally enforceable.	Minn. R. 7030.0010 - 7030.0080
The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16.	Minn. R. 7007.0800, subp. 16
Inspections: Upon presentation of credentials and other documents as may be required by law, allow the Agency, or its representative, to enter the Permittee's premises to have access to and copy any records required by this permit, to inspect at reasonable times (which include any time the source is operating) any facilities, equipment, practices or operations, and to sample or monitor any substances or parameters at any location.	Minn. R. 7007.0800, subp. 9(A)
Emission Fees: due 60 days after receipt of an MPCA bill.	Minn. R. 7002.0005 through Minn. R. 7002.0095

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

Subject Item: SV 001**Associated Items:** EU 001 Natural Gas-Fired Reciprocating Engine

What to do	Why to do it
Opacity: less than or equal to 20 percent opacity once operating temperatures have been obtained. The averaging time for this limit is any ten consecutive seconds.	Minn. R. 7011.2300, subp. 1
Sulfur Dioxide: less than or equal to 1.75 lbs/million Btu heat input (this is met through the equipment capacity burning natural gas - maximum hourly emission is 0.053 lb/hr or 0.004 lb/MMBtu).	Minn. R. 7011.2300, subp. 2

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

Subject Item: SV 002**Associated Items:** EU 002 Natural Gas-Fired Reciprocating Engine

What to do	Why to do it
Opacity: less than or equal to 20 percent opacity once operating temperatures have been obtained. The averaging time for this limit is any ten consecutive seconds.	Minn. R. 7011.2300, subp. 1
Sulfur Dioxide: less than or equal to 1.75 lbs/million Btu heat input (this is met through the equipment capacity burning natural gas - maximum hourly emission is 0.053 lb/hr or 0.004 lb/MMBtu).	Minn. R. 7011.2300, subp. 2

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

Subject Item: SV 003**Associated Items:** EU 003 Natural Gas-Fired Reciprocating Engine

What to do	Why to do it
Opacity: less than or equal to 20 percent opacity once operating temperatures have been obtained. The averaging time for this limit is any ten consecutive seconds.	Minn. R. 7011.2300, subp. 1
Sulfur Dioxide: less than or equal to 1.75 lbs/million Btu heat input (this is met through the equipment capacity burning natural gas - maximum hourly emission is 0.053 lb/hr or 0.004 lb/MMBtu).	Minn. R. 7011.2300, subp. 2

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

Subject Item: SV 004**Associated Items:** EU 004 Natural Gas-Fired Reciprocating Engine

What to do	Why to do it
Opacity: less than or equal to 20 percent opacity once operating temperatures have been obtained. The averaging time for this limit is any ten consecutive seconds.	Minn. R. 7011.2300, subp. 1
Sulfur Dioxide: less than or equal to 1.75 lbs/million Btu heat input (this is met through the equipment capacity burning natural gas - maximum hourly emission is 0.14 lb/hr or 0.004 lb/MMBtu).	Minn. R. 7011.2300, subp. 2

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

Subject Item: SV 005**Associated Items:** EU 005 Natural Gas-Fired Reciprocating Engine

What to do	Why to do it
Opacity: less than or equal to 20 percent opacity once operating temperatures have been obtained. The averaging time for this limit is any ten consecutive seconds.	Minn. R. 7011.2300, subp. 1
Sulfur Dioxide: less than or equal to 1.75 lbs/million Btu heat input (this is met through the equipment capacity burning natural gas - maximum hourly emission is 0.14 lb/hr or 0.004 lb/MMBtu).	Minn. R. 7011.2300, subp. 2

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

Subject Item: SV 006**Associated Items:** EU 006 Emergency Generator

What to do	Why to do it
Opacity: less than or equal to 20 percent opacity once operating temperatures have been obtained. The averaging time for this limit is any ten consecutive seconds.	Minn. R. 7011.2300, subp. 1
Sulfur Dioxide: less than or equal to 1.75 lbs/million Btu heat input (this is met through the equipment capacity burning diesel fuel - maximum hourly emission is 0.47 lb/hr or 0.20 lb/MMBtu).	Minn. R. 7011.2300, subp. 2

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

Subject Item: SV 007**Associated Items:** EU 007 Gas Turbine Compressor

What to do	Why to do it
Performance Test: due 180 days after Initial Startup but no later than 60 days after achieving maximum production rate to determine NOx emissions per 40 CFR Section 60.332(d).	40 CFR Section 60.8(a)
Performance Test Pre-test Meeting: due 7 days before Performance Test for NOx.	Minn. R. 7017.2030, subp. 4
Nitrogen Oxides: less than or equal to 0.0157 percent by volume at 15 percent oxygen and on a dry basis.	40 CFR Section 60.332(d), Minn. R. 7011.2350
Opacity: less than or equal to 20 percent opacity once operating temperatures have been obtained. The averaging time for this limit is any ten consecutive seconds.	Minn. R. 7011.2300, subp. 1
Sulfur Dioxide: less than or equal to 1.75 lbs/million Btu heat input (this is met through the equipment capacity burning natural gas - maximum hourly emissions are 0.034 lb/hr or 0.0006 lb/MMBtu).	Minn. R. 7011.2300, subp. 2

TABLE A: LIMITS AND OTHER REQUIREMENTS

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

Subject Item: EU 007 Gas Turbine Compressor**Associated Items:** SV 007

What to do	Why to do it
Sulfur Content of Fuel: less than or equal to 0.8 percent by weight	40 CFR Section 60.333(b), Minn. R. 7011.2350
Reporting: If there is a change in fuel supply, the Permittee must notify the MPCA of such change for re-examination of the custom fuel-monitoring schedule. A substantial change in fuel quality shall be considered as a change in fuel supply. Sulfur monitoring shall be conducted weekly during the interim period when this custom schedule is being re-examined.	40 CFR Section 60.334(b), Minn. R. 7011.2350
Analysis for fuel sulfur content of the natural gas shall be conducted using one of the approved ASTM reference methods for the measurement of sulfur in gaseous fuels, a gas chromatograph or an approved alternative method.	40 CFR Section 60.13(i) to comply with 40 CFR Section 60.334(b), Minn. R. 7011.2350
Sulfur monitoring shall be conducted twice monthly for six months. If this monitoring shows little variability in the fuel sulfur content, and indicates consistent compliance with 40 CFR Section 60.333, then sulfur monitoring shall be conducted once per quarter for six quarters.	40 CFR Section 60.13(i) to comply with 40 CFR Section 60.334(b), Minn. R. 7011.2350
Sulfur Monitoring: If, after the first 2 years of sulfur monitoring, the sulfur content of fuel shows little variability and, when calculated as sulfur dioxide, represents consistent compliance with the sulfur dioxide emission limits specified under 40 CFR Section 60.333, sample analysis shall be conducted twice per annum. This monitoring shall be conducted during the first and third quarters of each calendar year.	40 CFR Section 60.13(i) to comply with 40 CFR Section 60.334(b), Minn. R. 7011.2350
Notification of noncompliance: Should any sulfur analysis indicate noncompliance with 40 CFR Section 60.333, the Permittee shall notify the MPCA of such excess emissions and the custom fuel monitoring schedule shall be re-examined by the Administrator. Sulfur monitoring shall be conducted weekly during the interim period when this custom fuel-monitoring schedule is being re-examined.	40 CFR Section 60.13(i) to comply with 40 CFR Section 60.334(b), Minn. R. 7011.2350
Recordkeeping: Records of sample analyses and fuel supply pertinent to the custom fuel-monitoring schedule shall be retained for a period a five (5) years, and be available for inspection by personnel of federal, state, and local air pollution control agencies.	40 CFR Section 60.13(i) to comply with 40 CFR Section 60.334(b), Minn. R. 7011.2350

TABLE B: SUBMITTALS

01/18/00

Facility Name: Northern Natural Gas - Farmington
Permit Number: 03700014 - 002

Table B lists most of the submittals required by this permit. Please note that some submittal requirements may appear in Table A or, if applicable, within a compliance schedule located in Table C. Table B is divided into two sections in order to separately list one-time only and recurrent submittal requirements.

Each submittal must be postmarked or received by the date specified in the applicable Table. Those submittals required by parts 7007.0100 to 7007.1850 must be certified by a responsible official, defined in Minn. R. 7007.0100, subp. 21. Other submittals shall be certified as appropriate if certification is required by an applicable rule or permit condition.

Send any application for a permit or permit amendment to:

Permit Technical Advisor
Permit Section
Air Quality Division
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Also, where required by an applicable rule or permit condition, send to the Permit Technical Advisor notices of:

- accumulated insignificant activities,
- installation of control equipment,
- replacement of an emissions unit, and
- changes that contravene a permit term.

Unless another person is identified in the applicable Table, send all other submittals to:

Supervisor
Compliance Determination Unit
Air Quality Division
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

Send submittals that are required to be submitted to the U.S. EPA regional office to:

Mr. George Czerniak
Air and Radiation Branch
EPA Region V
77 West Jackson Boulevard
Chicago, Illinois 60604

Send submittals that are required by the Acid Rain Program to:

U.S. Environmental Protection Agency
Clean Air Markets Division
1200 Pennsylvania Avenue NW (6204N)
Washington, D.C. 20460

TABLE B: ONE TIME SUBMITTALS OR NOTIFICATIONS

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

What to send	When to send	Portion of Facility Affected
Computer Dispersion Modeling Protocol	due 1,096 days after Permit Issuance . This protocol will describe the proposed modeling methodology and input data, in accordance with all requirements of 40 CFR pt. 51, App. W.	Total Facility
Notification of the Actual Date of Initial Startup	due 15 days after Initial Startup	EU007
Notification of the Anticipated Date of Initial Startup	due 30 days before Anticipated Date of Initial Startup but no earlier than 60 days before anticipated initial startup.	EU007
Notification of the Date Construction Began	due 30 days after Start Of Construction	EU007
Performance Test Notification (written)	due 30 days before Performance Test for NOx.	SV007
Performance Test Plan	due 30 days before Performance Test for NOx.	SV007
Performance Test Report - Microfiche Copy	due 105 days after Performance Test for NOx.	SV007
Performance Test Report	due 45 days after Performance Test for NOx.	SV007
Testing Frequency Plan	due 60 days after Initial Performance Test for NOx emissions. The Testing Frequency Plan (TFP) shall specify a testing frequency based on MPCA guidance and results of NOx emissions testing. Future performance tests based on year (12 month), 36 month, and 60 month intervals, or as applicable, shall be required on written approval of MPCA. If a Compliance Plan is submitted as required by this permit, the TFP may be revised as necessary pending the elements in the Compliance Plan.	Total Facility

TABLE B: RECURRENT SUBMITTALS

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

What to send	When to send	Portion of Facility Affected
Semiannual Deviations Report	due 30 days after end of each calendar half-year following Permit Issuance . The first semiannual report submitted by the Permittee shall cover the calendar half-year in which the permit is issued. The first report of each calendar year covers January 1 - June 30. The second report of each calendar year covers July 1 - December 31.	Total Facility
Compliance Certification	due 30 days after end of each calendar year following Permit Issuance (for the previous calendar year). To be submitted on a form approved by the Commissioner. The report covers all deviations experienced during the calendar year.	Total Facility
Emissions Inventory Report	due 91 days after end of each calendar year following Permit Issuance (April 1). To be submitted on a form approved by the Commissioner.	Total Facility

TABLE C: COMPLIANCE SCHEDULE

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

Table C contains the compliance schedule as required by Minn. R. 7007.0500, subp. 2 (K). You must complete the actions required in Table C by the dates listed in the table. All submittals must be postmarked or received by the date specified in the table, and certified by a responsible official, defined in Minn. R. 7007.0100, subp. 21.

Subject Item: Total Facility		
Citation	Corrective Action	When to complete the action
Title I Condition: to avoid violation of 40 CFR Section 50.11; 40 CFR Section 70.6(c)(3); Minn. R. 7007.0800, subp. 2	Equipment Installation	due before 11/10/97 . This equipment installation shall be the permanent extension of SV 004 and SV 005 to 50 feet above grade.
Title I Condition: to avoid violation of 40 CFR Section 50.11; 40 CFR Section 70.6(c)(3); Minn. R. 7007.0800, subp. 9 (B)	Compliance Plan	due before 05/15/98 IF after installation of the 50-foot stacks, computer model fenceline NOx concentrations (using NOx emission rates determined during performance testing) exceed 100 micrograms per cubic meter. The Plan shall specify corrective actions to be taken, and a timeframe for each action, so that NOx concentrations at the fenceline and beyond do not exceed 100 micrograms per cubic meter.
Title I Condition: to avoid violation of 40 CFR Section 50.11; Minn. R. 7007.0800, subp. 2	Implement Compliance Plan	due before 11/01/98 for any Plan element that DOES NOT require a permit amendment prior to implementation.
Title I Condition: to avoid violation of 40 CFR Section 50.11; Minn. R. 7007.0800, subp. 2	Implement Compliance Plan	due before 07/01/99 for any Plan element that DOES require a permit amendment prior to implementation.
Minn. R. 7017.2030, subp. 1	Performance Test Notification (written)	due 30 days before Performance Test for each emission unit required to be tested.
Minn. R. 7017.2030, subp. 2	Performance Test Plan	due 30 days before Performance Test for each emission unit required to be tested.
Minn. R. 7017.2030, subp. 4	Performance Test Pre-test Meeting	due 7 days before Performance Test for each emission unit required to be tested.
Title I Condition: to avoid violation of 40 CFR Section 50.11; 40 CFR Section 70.6(c)(3); Minn. R. 7017.2020, subp. 1	Performance Test	due before 02/28/98 to measure NOx emissions. The Permittee shall conduct at least three tests for NOx: one test on a either EU 001, EU 002, or EU 003; one test on either EU 004 or EU 005; and one test on EU007. Testing must be conducted when the ambient air temperature is below 20 degrees F.
Minn. R. 7017.2035, subp. 1 and 2	Performance Test Report	due 45 days after Performance Test for each emission unit required to be tested.
Minn. R. 7017.2035, subp. 2	Performance Test Report - Microfiche Copy	due 105 days after Performance Test for each emission unit required to be tested.
Title I Condition: to avoid violation of 40 CFR Section 50.11; Minn. R. 7009.0020	Computer Dispersion Modeling Protocol	due before 04/15/98 . This protocol, or other data accepted in lieu of the protocol, will describe the proposed modeling methodology and input data, in accordance with all requirements of 40 CFR pt. 51, App. W.

TABLE C: COMPLIANCE SCHEDULE

01/18/00

Facility Name: Northern Natural Gas - Farmington

Permit Number: 03700014 - 002

Title I Condition: to avoid violation of 40 CFR Section 50.11; 40 CFR Section 70.6(c)(3); Minn. R. 7007.0800, subp. 2	Computer Dispersion Modeling Results	due before 05/15/98 (using NOx emissions data from the most recent emissions testing).
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TECHNICAL SUPPORT DOCUMENT
For
DRAFT AIR EMISSION PERMIT NO. 03700014-002

This technical support document is for all the interested parties of the draft permit. The purpose of this document is to set forth the legal and factual basis for the draft permit conditions, including references to the applicable statutory or regulatory provisions.

1. General Information

1.1. Applicant and Stationary Source Location:

Owner/Operator Address and Phone Number (list both if different)	Facility Address (SIC Code: 4922)
Northern Natural Gas Company P.O. Box 3330 Omaha, NE 68103 Contact: Mr. Ron Beidelman 612-887-1712	4685 212th St W Farmington Dakota County

1.2. Description Of The Facility

The Farmington compressor facility is used to pressurize natural gas in order to facilitate its transmission through a pipeline system. The main component of the facility is a compressor building which houses five natural gas-fired reciprocating compressor engines and a natural gas-fired turbine.

1.3 Description of the Activities Allowed By This Permit Action

In accordance with Minn. R. 7007.1400, subp. 1(D) – Administrative Amendment to remove a condition that is redundant to other existing requirements. The MPCA initiated the amendment to remove a permit condition contained in the Compliance Schedule. Table C of the permit required the permittee to submit a Progress Report every 6 months, without an end date specified. The facility is compliance with all applicable requirements, therefore the requirement to submit a Progress Report is meaningless. This requirement will be deleted. The Compliance Plan can be removed in its entirety when the Title V permit is reissued. This is an administrative amendment to a Part 70 permit, therefore a copy will be sent to EPA.

1.4. Facility Emissions:

There are no emission changes associated with this modification.

2. Regulatory and/or Statutory Basis

Summary Regulatory and/or Statutory Basis of the Emission or operational Limit

Regulatory Overview of Units Affected by the Modification

The purpose of this table is to give an overview of the new/modified sources of emissions and the applicable regulations and standards. It is not designed for the discussion of specific limits, unless they are unusual and need some explanation, nor is it for the discussion of compliance demonstration requirements. This information is obtainable from the permit, but this section provides users in the future with a quick overview of the modification and its effect on the permit.

Table 4. Regulatory Overview

*EU, GRP, or SV #	Applicable Regulations	**Comments
FC	Minn. R. 7007.1400, subp. 1(D)	Administrative Amendment to remove a requirement that is redundant to other existing requirements. The permit still requires submittal of a Compliance Certification every year.

* Insert the number that identifies the level the limit was set on.

3. Technical Information

- *None*

4. Conclusion

Based on the information provided by Northern Natural Gas Company, the MPCA has reasonable assurance that the proposed operation of the emission facility, as described in the Air Emission Permit No. 03700014-002 and this technical support document, will not cause or contribute to a violation of applicable federal regulations and Minnesota Rules.

Staff Member on Permit Team: Bonnie J. Nelson
Attachment: TSD, Draft Permit

Permit Action Number:
Date: 2/19/2004