

AIR EMISSION PERMIT NO. 12900046- 002

IS ISSUED TO

Alliance Pipeline - Olivia 23-A
Mile Post 436.5
Olivia, Renville County, MN 56277

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	August, 1998
Major Amendment	July 5, 2000

This permit authorizes the permittee to operate and modify 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: Federal; Part 70, 40 CFR 52.21 Synthetic Minor

Issue Date: February 21, 2001

Expiration: June 8, 2004

Title I Conditions do not expire.

Ann M. Foss
Manager
North and South Major Facilities

For Karen A. Studders
Commissioner
Minnesota Pollution Control Agency

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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.

Subject to the limitations in Minn. R. 7007.1800, and 7017.0100, subp. 2, notwithstanding the conditions of this permit specifying compliance practices for applicable requirements, any person (including the Permittee) may also use other credible evidence to establish compliance or noncompliance with applicable requirements.

FACILITY DESCRIPTION:

The facility is a natural gas line compressor station. The main emission source is one gas turbine. This permit allows the company to replace the existing turbine during times of equipment failure with another turbine. The two turbines may not operate concurrently, and the replacement turbine is subject to the same emission limits as the existing turbine.

The source is synthetic minor under federal new source review. This permit amendment does not change its status.

TABLE A: LIMITS AND OTHER REQUIREMENTS

02/21/01

Facility Name: Alliance Pipeline - Olivia 23-A
 Permit Number: 12900046 - 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
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
Limits set as a result of a performance test (conducted before or after permit issuance) apply until superseded as specified by Minn. R. 7017.2025 following formal review of a subsequent performance test on the same unit.	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
Shutdown Notifications: Notify the Commissioner at least 24 hours in advance of a planned shutdown of any control equipment or process equipment if the shutdown would cause any increase in the emissions of any regulated air pollutant. If the owner or operator does not have advance knowledge of the shutdown, notification shall be made to the Commissioner as soon as possible after the shutdown. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 3. At the time of notification, the owner or operator shall inform the Commissioner of the cause of the shutdown and the estimated duration. The owner or operator shall notify the Commissioner when the shutdown is over.	Minn. R. 7019.1000, subp. 3
Breakdown Notifications: Notify the Commissioner within 24 hours of a breakdown of more than one hour duration of any control equipment or process equipment if the breakdown causes any increase in the emissions of any regulated air pollutant. The 24-hour time period starts when the breakdown was discovered or reasonably should have been discovered by the owner or operator. However, notification is not required in the circumstances outlined in Items A, B and C of Minn. R. 7019.1000, subp. 2. At the time of notification or as soon as possible thereafter, the owner or operator shall inform the Commissioner of the cause of the breakdown and the estimated duration. The owner or operator shall notify the Commissioner when the breakdown is over.	Minn. R. 7019.1000, subp. 2
Notification of Deviations Endangering Human Health or the Environment: As soon as possible after discovery, notify the Commissioner or the state duty officer, either orally or by facsimile, of any deviation from permit conditions which could endanger human health or the environment.	Minn. R. 7019.1000, subp. 1
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: 1. the cause of the deviation; 2. the exact dates of the period of the deviation, if the deviation has been corrected; 3. whether or not the deviation has been corrected; 4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and 5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation.	Minn. R. 7019.1000, subp. 1

TABLE A: LIMITS AND OTHER REQUIREMENTS

02/21/01

Facility Name: Alliance Pipeline - Olivia 23-A

Permit Number: 12900046 - 002

Operation Changes: In any shutdown, breakdown, or deviation the Permittee shall immediately take all practical steps to modify operations to reduce the emission of any regulated air pollutant. The Commissioner may require feasible and practical modifications in the operation to reduce emissions of air pollutants. No emissions units that have an unreasonable shutdown or breakdown frequency of process or control equipment shall be permitted to operate.	Minn. R. 7019.1000, subp. 4
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
Application for Permit Amendment: If a permit amendment is needed, submit an 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 stationary source 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 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

02/21/01

Facility Name: Alliance Pipeline - Olivia 23-A

Permit Number: 12900046 - 002

Subject Item: EU 001 Gas Turbine

Associated Items: SV 001

What to do	Why to do it
EMISSION LIMITS	hdr
Nitrogen Oxides: less than or equal to 30 lbs/hour	Title I Condition: To limit potential emissions to less than major source levels as defined by 40 CFR 52.21,
Nitrogen Oxides: less than 121 parts per million	40 CFR Section 60.332(d)
Sulfur Dioxide: Less than or equal to one of the following: (a) 0.015 percent by volume at 15 percent oxygen and on a dry basis, or (b) burn no fuel which contains sulfur in excess of 0.8 percent by weight.	40 CFR Section 60.333
Sulfur Dioxide: less than or equal to 0.5 lbs/million Btu heat input	Minn. R. 7011.2300, subp. 2
Opacity: less than or equal to 20 percent opacity once operating temperatures have been attained.	Minn. R. 7011.2300, subp. 1
OPERATING CONDITIONS	hdr
Fuel Use: Limited to pipeline quality natural gas	Minn. R. 7007.0800, subp. 2; meets requirements of Minn. R. 7011.2300, subp. 2
MONITORING	hdr
Sulfur Monitoring: the 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, or an approved alternative method. The sample is to be taken at the Olivia compressor station. 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 60.334(b)
(continued from above) If after the first 2 years of sulfur monitoring, the sulfur content of the 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 (semiannually). This monitoring shall be conducted during the first and third quarters of each calendar year.	40 CFR Section 60.334(b)
(continued from above) 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 60.334(b)
Recordkeeping: records of sample analysis and fuel supply pertinent to the custom fuel monitoring schedule shall be retained for a period of five (5) years, and be available for inspection by personnel of federal, state, and local air pollution control agencies.	40 CFR Section 60.334(b)
PERFORMANCE TESTING	hdr
Performance Test: due 60 days after achieving maximum capacity at which the affected facility will be operated, but not later than 180 day after initial startup. This performance test is for nitrogen oxides. Testing shall be performed in accordance with 40 CFR Section 60.8 and following the procedures specified in 40 CFR Section 60.335.	40 CFR Section 60.8
RECORDKEEPING	hdr
Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.	40 CFR Section 60.7
Maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required, recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records.	40 CFR Section 60.7
Record type of fuel used on a monthly basis.	Minn. R. 7007.0800, subp. 5
SUBMITTALS AND REPORTS	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS

02/21/01

Facility Name: Alliance Pipeline - Olivia 23-A

Permit Number: 12900046 - 002

For additional submittals and reports, see Table B.	hdr
Performance Test Notifications and Submittals Performance Test Notification: due 30 days before each Performance Test Performance Test Plan: due 30 days before each Performance Test Performance Test Pre-test Meeting: due 7 days before each Performance Test Performance Test Report: due 45 days after each Performance Test Performance Test Report - Microfiche Copy: due 45 days after each Performance Test	Minn. R. 7017.2030, subp. 1-4 and Minn. R. 7017.2035, subp. 1 and 2

TABLE A: LIMITS AND OTHER REQUIREMENTS

02/21/01

Facility Name: Alliance Pipeline - Olivia 23-A

Permit Number: 12900046 - 002

Subject Item: EU 002 Station Boiler**Associated Items:** SV 002

What to do	Why to do it
EMISSION LIMITS	hdr
Total Particulate Matter: less than or equal to 0.4 lbs/million Btu heat input	Minn. R. 7011.0550
Opacity: less than or equal to 20 percent opacity except for one six-minute period per hour of not more than 60 percent opacity. An exceedance of this opacity standard occurs whenever any one-hour period contains two or more six-minute periods during which the average opacity exceeds 20 percent or whenever any one-hour period contains one or more six-minute periods during which the average opacity exceeds 60 percent.	Minn. R. 7011.0515, subp. 2
OPERATING CONDITIONS	hdr
Fuel Use: Limited to natural gas only.	Minn. R. 7007.0800, subp. 2
RECORDKEEPING	hdr
Record type of fuel used on a monthly basis.	Minn. R. 7007.0800, subp. 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

02/21/01

Facility Name: Alliance Pipeline - Olivia 23-A

Permit Number: 12900046 - 002

Subject Item: EU 003 Auxiliary Power Unit (APU)**Associated Items: SV 003**

What to do	Why to do it
EMISSION LIMITS	hdr
Opacity: less than or equal to 20 percent opacity once operating temperatures have been attained.	Minn. R. 7011.2300, subp. 1
Sulfur Dioxide: less than or equal to 0.5 lbs/million Btu heat input	Minn. R. 7011.2300, subp. 2
OPERATING LIMITS	hdr
Fuel Use: Limited to natural gas only.	Minn. R. 7007.0800, subp. 2
RECORDKEEPING	hdr
Recordkeeping: record hours of operation and type of fuel used. Hours of operation shall be recorded daily. Fuel type shall be recorded once each month.	Minn. R. 7007.0800, subp. 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

02/21/01

Facility Name: Alliance Pipeline - Olivia 23-A

Permit Number: 12900046 - 002

Subject Item: EU 004 Replacement Turbine

Associated Items: SV 001

What to do	Why to do it
EMISSION LIMITS	hdr
Nitrogen Oxides: less than or equal to 30 lbs/hour	Title I Condition: To limit potential emissions to less than major source levels as defined by 40 CFR 52.21,
Nitrogen Oxides: less than 121 parts per million	40 CFR Section 60.332(d)
Sulfur Dioxide: Less than or equal to one of the following: (a) 0.015 percent by volume at 15 percent oxygen and on a dry basis, or (b) burn no fuel which contains sulfur in excess of 0.8 percent by weight.	40 CFR Section 60.333
Sulfur Dioxide: less than or equal to 0.5 lbs/million Btu heat input	Minn. R. 7011.2300, subp. 2
Opacity: less than or equal to 20 percent opacity once operating temperatures have been attained.	Minn. R. 7011.2300, subp. 1
OPERATING CONDITIONS	hdr
Fuel Use: Limited to pipeline quality natural gas	Minn. R. 7007.0800, subp. 2; meets requirements of Minn. R. 7011.2300, subp. 2
The replacement turbine shall be operated only during times of repair or maintenance of Turbine #1, EU001. The turbines may not be operated concurrently.	Title I Condition: to limit potential emissions to less than major source levels as defined by 40 CFR 52.21
MONITORING	hdr
Sulfur Monitoring: the 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, or an approved alternative method. The sample is to be taken at the Olivia compressor station. 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 60.334(b)
(continued from above) If after the first 2 years of sulfur monitoring, the sulfur content of the 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 (semiannually). This monitoring shall be conducted during the first and third quarters of each calendar year.	40 CFR Section 60.334(b)
(continued from above) 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 60.334(b)
Recordkeeping: records of sample analysis and fuel supply pertinent to the custom fuel monitoring schedule shall be retained for a period of five (5) years, and be available for inspection by personnel of federal, state, and local air pollution control agencies.	40 CFR Section 60.334(b)
PERFORMANCE TESTING	hdr
Performance Test: due 60 days after achieving maximum capacity at which the affected facility will be operated, but not later than 180 day after initial startup. This performance test is for nitrogen oxides. Testing shall be performed in accordance with 40 CFR Section 60.8 and following the procedures specified in 40 CFR Section 60.335.	40 CFR Section 60.8
RECORDKEEPING	hdr
Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.	40 CFR Section 60.7
Maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required, recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records.	40 CFR Section 60.7

TABLE A: LIMITS AND OTHER REQUIREMENTS

02/21/01

Facility Name: Alliance Pipeline - Olivia 23-A

Permit Number: 12900046 - 002

Record type of fuel used on a monthly basis.	Minn. R. 7007.0800, subp. 5
SUBMITTALS AND REPORTS	hdr
For additional submittals and reports, see Table B.	hdr
Performance Test Notifications and Submittals: Performance Test Notification: due 30 days before each Performance Test Performance Test Plan: due 30 days before each Performance Test Performance Test Pre-test Meeting: due 7 days before each Performance Test Performance Test Report: due 45 days after each Performance Test Performance Test Report - Microfiche Copy: due 105 days after each Performance Test Test	Minn. R. 7017.2030, subp. 1-4 and Minn. R. 7017.2035, subp. 1-2

TABLE B: SUBMITTALS

02/21/01

Facility Name: Alliance Pipeline - Olivia 23-A
Permit Number: 12900046 - 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

02/21/01

Facility Name: Alliance Pipeline - Olivia 23-A

Permit Number: 12900046 - 002

What to send	When to send	Portion of Facility Affected
Application for Permit Reissuance	due 180 days before expiration of Existing Permit	Total Facility
Notification of the Actual Date of Initial Startup	due 15 days after Initial Startup	EU001
Notification of the Actual Date of Initial Startup	due 15 days after Initial Startup. Initial startup refers to the first time the unit becomes operational at this or any other site.	EU004
Testing Frequency Plan	due 60 days after Initial Performance Test to for NOx. The plan shall specify a testing frequency based on the initial performance test and MPCA guidance. Future performance tests at year (12-month), 36-month, or 60-month intervals or as applicable shall be required upon written approval of the plan by MPCA per Minn. R. 7017.2020, subp. 1.	EU001
Testing Frequency Plan	due 60 days after Initial Performance Test to for NOx. The plan shall specify a testing frequency based on the initial performance test and MPCA guidance. Future performance tests at year (12-month), 36-month, or 60-month intervals or as applicable shall be required upon written approval of the plan by MPCA per Minn. R. 7017.2020, subp. 1.	EU004

TABLE B: RECURRENT SUBMITTALS

02/21/01

Facility Name: Alliance Pipeline - Olivia 23-A

Permit Number: 12900046 - 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 31 days after end of each calendar year starting 06/08/1999 (for the previous calendar year). To be submitted on a form approved by the Commissioner, both to the Commissioner, and to the U.S. EPA regional office in Chicago. This report covers all deviations experienced during the calendar year. The EPA copy shall be sent to: Mr. George Czerniak, Chief, Air Enforcement and Compliance Assurance Branch, Air and Radiation Division, EPA Region V, 77 West Jackson Boulevard, Chicago, Illinois 60604.	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

TECHNICAL SUPPORT DOCUMENT
For
AIR EMISSION PERMIT NO. 12900046-002

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

1. General Information

1.1. Applicant and Stationary Source Location:

Owner/Operator Address	Facility Address (SIC Code: 4922)
Alliance Pipeline L.P. 400, 605-5 Avenue S.W. Calgary, Alberta, Canada T2P 3H5	Mile Post 436.5 Olivia Renville County

1.2. Description Of The Facility

Alliance Pipeline operates a compressor station for a natural gas pipeline at the above address. There are three emission units on site; a compressor turbine, EU001; a station heating boiler, EU002; and an auxiliary power unit, EU003. All three emission units are restricted to burning only natural gas.

1.3 Description of the Activities Allowed By This Permit Action

This permit allows Alliance to operate a replacement turbine on site when the existing turbine requires maintenance. The replacement turbine will be subject to the same emission limits as the existing turbine, and the permit does not allow concurrent operation of more than one turbine.

1.3. Facility Emissions:

Table 1. Total Facility Potential to Emit Summary:

EU No.	SV No.	Emission Unit Description	PM tpy	PM ₁₀ tpy	SO ₂ tpy	NO _x tpy	CO tpy	VOC Tpy	Pb tpy	Singl e HAP tpy	All HAPs tpy
001		Turbine and Replacement Turbine	29.8	29.8	1.3	131	58.3	0.4	neg	<1	<1
002		Boiler	0.2	0.2	0.01	1.7	0.4	0.1	neg	<1	<1
003		Emergency generator	0.008	0.008	0.001	0.002	0.000	0.06	neg	<1	<1

Permit Action Number:

Date: 12/2/2003

	PM tpy	PM ₁₀ tpy	SO ₂ tpy	NO _x tpy	CO tpy	VOC Tpy	Pb tpy	Single HAP tpy	All HAPs tpy
Total Facility Limited Potential Emissions	30	30	1.4	133	59	0.51	neg	<1	<1

The total facility potential emissions are limited to less than 250 tons per year. The facility is, therefore, considered a minor source under federal new source review regulations. This permit does not change the status of the facility.

Table 3. Permit Action Classification

Classification (put x in appropriate box)	Major/Affected Source	*Synthetic Minor	*Minor
PSD (list pollutant)		NO _x , CO	PM, PM ₁₀ , VOC, SO ₂
NAAR (list pollutant)			
Part 70 Permit Program (list pollutant)	NO _x		PM, PM ₁₀ , VOC, SO ₂ , CO

* Refers to potential emissions that are less than those specified as major by 40 CFR 52.21, 40 CFR pt. 51 Appendix S, and 40 CFR pt. 70.

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

Table 4. Regulatory Overview

*EU, GRP, or SV #	Applicable Regulations	**Comments
EU004 Replace ment Turbine	40 CFR 52.21 40 CFR 60, Subp. GG	Emission limits to restrict total facility emissions of NO _x to less than major source levels as defined by 40 CFR 52.21. Standards of Performance for Stationary Gas Turbines

Permit Action Number:

Date: 12/2/2003

3. Conclusion

Based on the information provided by Alliance Pipeline, the MPCA has reasonable assurance that the proposed operation of the emission facility, as described in the Air Emission Permit No. 12900046-002 and this technical support document, will not cause or contribute to a violation of applicable federal regulations and Minnesota Rules.

Staff Members on Permit Team: Jenny L. Reinertsen

Attachments: Turbine emission information