

**AIR EMISSION PERMIT NO. 12300070-004**  
**Administrative Amendment**

**IS ISSUED TO**

Magellan Midstream Partners LP

**MAGELLAN PIPELINE CO LP - ST PAUL**  
2451 West County Road C  
Roseville, Ramsey County, MN 55113

The emission units, control equipment and emission stacks at the stationary source authorized in this permit amendment are as described in the Permit Applications Table.

This permit amendment supersedes Air Emission Permit No. 12300070-003 and 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 are as defined in the state air pollution control rules unless the term is explicitly defined in the permit.

Unless otherwise indicated, all the Minnesota rules cited as the origin of the permit terms are incorporated into the SIP under 40 CFR § 52.1220 and as such as are enforceable by U.S. Environmental Protection Agency (EPA) Administrator or citizens under the Clean Air Act.

**Permit Type:** Federal; Pt 70/Major for NSR

**Operating Permit Issue Date:** January 4, 2006

**Administrative Amendment Issue Date:** December 29, 2008

**Expiration Date:** January 4, 2011 – Title I Conditions do not expire.

---

Don Smith, P.E., Manager  
Air Quality Permits Section  
Industrial Division

for Paul Eger  
Deputy Commissioner  
Minnesota Pollution Control Agency

**Permit Applications Table**

| <b>Permit Type</b>                          | <b>Application Date</b> | <b>Permit Action</b> |
|---|-------------------------|----------------------|
| Total Facility Operating Permit -Reissuance | 7/26/02                 | 003                  |
| Administrative Amendment                    | 11/15/07                | 004                  |

## **TABLE OF CONTENTS**

**Notice to the Permittee**

**Permit Shield**

**Facility Description**

**Amendment Description**

**Table A: Limits and Other Requirements**

**Table B: Submittals**

**Appendices**

## **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 of 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:**

### **PERMIT ACTION 003 (Reissuance)**

Magellan Midstream Partners, L.P. owns and operates a liquid petroleum bulk storage and terminal interstate pipeline in Roseville, Minnesota. The facility consists of storage tanks, pump stations, tank truck loading racks with vapor controller and vapor processing systems, soil vapor extraction unit and insignificant emission units. The terminal receives and transports petroleum products to other terminals through an interstate pipeline distribution network.

The main sources of air emissions are volatile organic compounds (VOCs) from this facility. The facility is a major source under the federal operation permits program (40 CFR pt. 70) and major source under federal New Source Review (NSR). The permit limits hazardous air pollutants (HAPs) emissions such that the facility is an area source under the National Emissions Standards for Hazardous Air Pollutants (NESHAPs, 40 CFR pt. 63).

**AMENDMENT DESCRIPTION:**

**PERMIT ACTION 004 (Administrative Amendment)**

This permit action will implement 40 CFR pt. 60, subp. Ka into the permit for Tanks 019, 020, 027, 029 and 032 as directed by Administrative Consent Order EPA-5-07-113(a)-MN-03.

Performance test dates for EU001 and EU002 were updated based on tests conducted September 6-7, 2007.

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-1**

12/29/08

Facility Name: Magellan Pipeline Co LP - St Paul

Permit Number: 12300070 - 004

**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**

| <b>What to do</b>   | <b>Why to do it</b>  |
|---|--|
| <b>A. OPERATIONAL REQUIREMENTS</b>  | hdr  |
| 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   |
| 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)     |
| Operation and Maintenance Plan: Retain at the stationary source an operation and maintenance plan for all air pollution control equipment. At a minimum, the O & M plan shall identify all air pollution control equipment and control practices and shall include a preventative maintenance program for the equipment and practices, a description of (the minimum but not necessarily the only) corrective actions to be taken to restore the equipment and practices to proper operation to meet applicable permit conditions, a description of the employee training program for proper operation and maintenance of the control equipment and practices, and the records kept to demonstrate plan implementation. | Minn. R. 7007.0800, subp. 14 and Minn. R. 7007.0800, subp. 16(J) |
| 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                                      |
| 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   |
| 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 enforceable by the EPA Administrator or citizens under the Clean Air Act.  | Minn. R. 7030.0010 - 7030.0080                                   |
| Inspections: The Permittee shall comply with the inspection procedures and requirements as found in Minn. R. 7007.0800, subp. 9(A).   | Minn. R. 7007.0800, subp. 9(A)                                   |
| The Permittee shall comply with the General Conditions listed in Minn. R. 7007.0800, subp. 16.  | Minn. R. 7007.0800, subp. 16                                     |
| Emergency Provisions: The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs and other relevant data in accordance with Minn. R. 7007.1850.   | Minn. R. 7007.1850   |
| <b>B. MONITORING REQUIREMENTS</b>   | hdr  |
| 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)                                   |
| <b>C. RECORDKEEPING REQUIREMENTS</b>  | hdr  |
| Recordkeeping: 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)                                   |
| Recordkeeping: 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)                                   |

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-2**

12/29/08

Facility Name: Magellan Pipeline Co LP - St Paul

Permit Number: 12300070 - 004

|   |   |
|---|---|
| If the Permittee determines that no permit amendment or notification is required prior to making a change, the Permittee must retain records of all calculations required under Minn. R. 7007.1200. For expiring permits, these records shall be kept for a period of five years from the date the change was made or until permit reissuance, whichever is longer. The records shall be kept at the stationary source for the current calendar year of operation and may be kept at the stationary source or office of the stationary source for all other years. The records may be maintained in either electronic or paper format.  | Minn. R. 7007.1200, subp. 4                   |
| <b>D. PERFORMANCE TESTING</b>   | hdr   |
| 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                            |
| <b>E. REPORTING/SUBITTALS</b>   | hdr   |
| 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.<br><br>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.<br><br>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:<br>1. the cause of the deviation;<br>2. the exact dates of the period of the deviation, if the deviation has been corrected;<br>3. whether or not the deviation has been corrected;<br>4. the anticipated time by which the deviation is expected to be corrected, if not yet corrected; and<br>5. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the deviation.   | Minn. R. 7019.1000, subp. 1                   |
| 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)                |
| Emission Inventory Report: due on or before April 1 of each calendar year following permit issuance. To be submitted on a form approved by the Commissioner.  | Minn. R. 7019.3000 through Minn. R. 7019.3100 |
| 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****A-3**

12/29/08

Facility Name: Magellan Pipeline Co LP - St Paul

Permit Number: 12300070 - 004

**Subject Item:** GP 001 Tanks Subject to NSPS Ka**Associated Items:** TK 019 Ethanol 64175; Tank F210-813

TK 020 Gasoline 8006619; Tank F210-814

TK 027 Gasoline 8006619; Tank F210-822

TK 029 Gasoline 8006619; Tank F210-824

TK 032 Gasoline 8006619; Tank F210-827

| What to do   | Why to do it  |
|--|---|
| NSPS General Requirements: Comply with all New Source Performance Standards General Requirements.  | 40 CFR Section 60, Subp. A  |
| Equip the storage vessels with a fixed roof with an internal floating type cover equipped with a continuous closure device between the tank wall and the cover edge. The cover is to be floating at all times (i.e., off the leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the cover is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Each opening in the cover except for automatic bleeder vents and the rim space vents is to provide a projection below the liquid surface. Each opening in the cover except for automatic bleeder vents, rim space vents, stub drains and leg sleeves is to be equipped with a cover, seal, or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. | 40 CFR Section 60.112a(a)(2); Minn. R. 7011.1520, subp. B             |
| (continued)<br>Automatic bleeder vents are to be closed at all times when the cover is floating except when the cover is being floated off or is being landed on the leg supports. Rim vents are to be set to open only when the cover is being floated off the leg supports or at the manufacturer's recommended setting.   | 40 CFR Section 60.112a(a)(2); Minn. R. 7011.1520, subp. B (continued) |
| Maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.  | 40 CFR Section 60.115a(a); Minn. R. 7011.1520, subp. B                |
| Available data on the typical Reid vapor pressure and the maximum expected storage temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517, unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).   | 40 CFR Section 60.115a(b); Minn. R. 7011.1520, subp. B                |
| The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa (2.0 psia) or whose physical properties preclude determination by the recommended method is to be determined from available data and recorded if the estimated true vapor pressure is greater than 6.9 kPa (1.0 psia).   | 40 CFR Section 60.115a(c); Minn. R. 7011.1520, subp. B                |
| The following are exempt from the requirements of 40 CFR Section 60.115a:<br><br>(1) Each owner or operator of each storage vessel storing a petroleum liquid with a Reid vapor pressure of less than 6.9 kPa (1.0 psia) provided the maximum true vapor pressure does not exceed 6.9 kPa (1.0 psia).<br><br>(2) The owner or operator of each storage vessel equipped with a vapor recovery and return or disposal system in accordance with the requirements of 40 CFR Section 60.112a(a)(3) and (b), or a closed vent system and control device meeting the specifications of 40 CFR Section 65.42(b)(4), (b)(5), or (c).   | 40 CFR Section 60.115a(d)(1)-(2); Minn. R. 7011.1520, subp. B         |
| Maintain a file of each type of petroleum liquid stored, of the typical Reid vapor pressure of each type of petroleum liquid stored, of the dates of storage and withdrawals, and of the date on which the storage vessel is empty. Determine and record by the 15th of the month for the previous month the average monthly storage temperature and true vapor pressure of the petroleum liquid stored at such temperature if the petroleum liquid has a true vapor pressure, as stored, greater than 470 mm Hg (9.1 psia).<br><br>This is a state only requirement and is not enforceable by the EPA Administrator and citizens under the Clean Air Act.   | Minn. R. 7011.1510, subp. 1   |
| The average monthly storage temperature is an arithmetic average calculated for each calendar month, or portion thereof if storage is for less than a month, from bulk liquid storage temperatures determined at least once every seven days.<br><br>This is a state only requirement and is not enforceable by the EPA Administrator and citizens under the Clean Air Act.  | Minn. R. 7011.1510, subp. 2   |



TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Magellan Pipeline Co LP - St Paul  
Permit Number: 12300070 - 004

|   |                                    |
|---|------------------------------------|
| <p>The true vapor pressure shall be determined by the procedure in American Petroleum Institute Bulletin 2517. This procedure is dependent upon determination of the storage temperature and the Reid vapor pressure, which requires sampling of the petroleum liquids in the storage vessels. Unless the agency or the commissioner requires in specific cases that the stored petroleum liquid be sampled, the true vapor pressure may be determined by using the average monthly storage temperature and the typical Reid vapor pressure. For those liquids for which certified specifications limiting the Reid vapor pressure exist, that Reid vapor pressure may be used. For other liquids, supporting analytical data must be made available on request of the agency or the commissioner when typical Reid vapor pressure is used.</p> <p>This is a state only requirement and is not enforceable by the EPA Administrator and citizens under the Clean Air Act.</p> | <p>Minn. R. 7011.1510, subp. 3</p> |
|---|------------------------------------|

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-5**

12/29/08

Facility Name: Magellan Pipeline Co LP - St Paul

Permit Number: 12300070 - 004

**Subject Item:** EU 001 Tank Truck Bottom Load - MPL w/Vapor Combustor Control**Associated Items:** CE 001 Flaring

SV 001

| What to do   | Why to do it   |
|--|--|
| <b>A. POLLUTANT LIMIT</b>  | hdr  |
| Total Organic Compounds: less than or equal to 35 milligrams/liter of total organic compounds per liter of gasoline loaded.  | 40 CFR Section 60.502(b);<br>Minn. R. 7011.1550  |
| <b>B. OPERATIONAL REQUIREMENTS</b>   | hdr  |
| Design Requirement: The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded during the performance test when measured by the procedures specified in 40 CFR Section 60.503(d).   | 40 CFR Section 60.502(h);<br>Minn. R. 7011.1550; Also meets CAM requirements under 40 CFR Section 64.3 |
| Gauge Pressure Requirement: No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water).  | 40 CFR Section 60.502(i);<br>Minn. R. 7011.1550; Also meets CAM requirements under 40 CFR Section 64.3 |
| Loadings: Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline trucks using the following procedures. The Permittee shall:<br><br>1. Obtain the vapor tightness documentation described in 40 CFR Section 60.505(b) for each gasoline tank truck which is to be loaded at the facility.<br>2. Require the tank identification number to be recorded as each gasoline tank truck is loaded at the facility.<br>3. Cross-check each tank identification number with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded.<br>4. Notify the owner or operator of each nonvapor-tight gasoline tank truck loaded at the facility within 3 weeks after the loading has occurred.<br>5. Take steps assuring that the nonvapor-tight gasoline tank truck will not be reloaded at the facility until vapor tightness documentation for that tank is obtained.<br>6. Alternate procedures may be used upon application to, and approval by, the Administrator. | 40 CFR Section 60.502(e);<br>Minn. R. 7011.1550  |
| Operation Requirement: The Permittee shall act to assure that loadings of gasoline tank trucks at the facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.   | 40 CFR Section 60.502(f);<br>Minn. R. 7011.1550  |
| Operation Requirement: The Permittee shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. This includes training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.  | 40 CFR Section 60.502(g);<br>Minn. R. 7011.1550  |
| Operation Requirement: At all times, including periods of startup, shutdown, and malfunction, owners and operators shall maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection.  | 40 CFR Section 60.11(d)  |
| <b>C. MONITORING AND RECORDKEEPING REQUIREMENTS</b>  | hr   |
| Monthly Inspections: Each calendar month record and document the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. For purposes of this requirement, detection methods incorporating sight, sound, or smell are acceptable.   | 40 CFR Section 60.502(j);<br>Minn. R. 7011.1550; Also meets CAM requirements under 40 CFR Section 64.7 |
| Leak Repairs: Each detection of a leak shall be recorded and the source of the leak repaired within 15 days after each inspection.   | 40 CFR Section 60.502(j);<br>Minn. R. 7011.1550; Also meets CAM requirements under 40 CFR Section 64.7 |

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-6**

12/29/08

Facility Name: Magellan Pipeline Co LP - St Paul

Permit Number: 12300070 - 004

|  |   |
|--|---|
| Recordkeeping: The documentation file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by Method 27 or equivalent method. Trucks tested in accordance with 40 CFR Section 63.425(a) are considered to meet this requirement. This documentation shall include, as a minimum, the following information:<br><br>(1) Test title: Gasoline Delivery Tank Pressure Test -EPA Reference Method 27.<br>(2) Tank owner and address.<br>(3) Tank identification number.<br>(4) Testing location.<br>(5) Date of test.<br>(6) Tester name and signature.<br>(7) Witnessing inspector, if any: Name, signature, and affiliation.<br>(8) Test results: Actual pressure change in 5 minutes, mm of water (average for 2 runs). | 40 CFR Section 60.505(b);<br>Minn. R. 7011.1550   |
| Recordkeeping: The tank truck vapor tightness documentation shall be kept on file at the terminal in a permanent form available for inspection.  | 40 CFR Section 60.505(a);<br>Minn. R. 7011.1550   |
| Leak Recordkeeping: A record of each monthly leak inspection shall be kept on file at the terminal for at least five (5) years and shall include, at a minimum:<br><br>1. Date of inspection<br>2. Findings (no leaks, or nature and severity of leaks)<br>3. Leak determination method<br>4. Corrective action (date each leak repaired, reasons for the repair interval >15 days)<br>5. Inspector name and signature.  | 40 CFR Section 60.505(c);<br>Minn. R. 7011.1550;<br>Minn. R. 7007.0800, subp. 5                                 |
| Recordkeeping of Notifications: The Permittee shall keep documentation of all notifications required under 40 CFR Section 60.502(e)(4) on file at the terminal for at least five (5) years.  | 40 CFR Section 60.505(d);<br>Minn. R. 7011.1550   |
| Component Recordkeeping: The Permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system on site for at least five (5) years.   | 40 CFR Section 60.505(f);<br>Minn. R. 7011.1550   |
| Correction Actions: If the gauge pressure in the delivery tank exceeds 4,500 pascals (450 mm of water) during product loading, the Permittee shall take corrective action as soon as possible according to the control equipment manufacturer's specifications and the facility operation and maintenance plan. The Permittee shall keep a log of all corrective actions taken with records entered upon completion of each corrective action.<br><br>All situations warranting corrective actions are deviations, the Permittee shall report the deviations in the semiannual deviations report as required in the total facility section of this permit.   | Minn. R. 7007.0800, subp. 2; Also meets CAM requirements under 40 CFR Section 64.7(d)                           |
| Semiannual Inspections: The Permittee shall inspect the vapor combustion unit (VCU) at least semiannual and shall maintain a written record of the inspection and any action resulting from the inspection.  | Minn. R. 7007.0800, subps. 4, 5, and 14; Also meets CAM requirements under 40 CFR Section 64.3 (b)(4)           |
| Operation and Maintenance (O & M) Plan: The Permittee shall operate and maintain the vapor combustion unit in accordance with the facility O & M Plan and the control equipment manufacturer's specifications. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.   | Minn. R. 7007.0800, subps 2 and 14; Also meets CAM requirements under 40 CFR Section 64.8                       |
| D. POLLUTION CONTROL EQUIPMENT REQUIREMENTS  | hdr   |
| The Permittee shall operate the enclosed flare (CE 001) during loading to control emissions from the Bottom Loading Rack (EU 001). The Permittee shall document periods of non-operation of the control equipment.   | Minn. R. 7007.0800, subps. 2 and 14   |
| Recordkeeping Requirement: The Permittee shall record each startup, shutdown, or malfunction of the vapor combustion unit.   | 40 CFR Section 60.7(b)  |
| E. PERFORMANCE TESTING REQUIREMENTS  | hdr   |
| Performance Test: due before end of each 60 months starting 09/06/2007 for total organic compounds, and pressure according to 40 CFR Section 60.502(h). The first performance test required under this condition was completed on November 18, 2002.   | 40 CFR Section 60.502(h); Minn. R. 7017.2020, subp. 1; Also meets CAM requirements under 40 CFR Section 64.3(c) |
| Performance Test Notifications and Submittals;<br><br>Performance Test Notification (written): due 30 days before each Performance Test<br>Performance Test Plan: due 30 days before each Performance Test<br>Performance Test Pre-Test Meeting: due 7 day before each Performance Test<br>Performance Test Report: due 45 days after each Performance Test<br>Performance Test Report - Microfiche Copy or CD: due 105 day after each Performance Test.<br>The Notification, Test Plan, and Test Report may be submitted in alternative format as allowed by Minn. R. 7017.2018.  | Minn. R. 7017.2030, subp. 1-4; Minn. R. 7017.2018 and Minn. R. 7017.2035, subp. 1-2                             |

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Magellan Pipeline Co LP - St Paul  
Permit Number: 12300070 - 004

|  |   |
|--|---|
| F. REPORTING REQUIREMENT   | hdr   |
| Corrective Actions Reporting: All situations warranting corrective actions are deviations, the Permittee shall report the deviations in the semiannual deviations report as required in the total facility section of this permit. | Minn. R. 7007.0800, subp. 2; Also meets CAM requirements under 40 CFR Section 96.9(c) |

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-8**

12/29/08

Facility Name: Magellan Pipeline Co LP - St Paul

Permit Number: 12300070 - 004

**Subject Item:** EU 002 Tank Truck Bottom Load - Flint Hills Resources (FHR) w/Vapor Combustor Control**Associated Items:** CE 002 Flaring

SV 002

| What to do   | Why to do it   |
|--|--|
| <b>A. POLLUTANT LIMIT</b>  | hdr  |
| Total Organic Compounds: less than or equal to 35 milligrams/liter of total organic compounds per liter of gasoline loaded.  | 40 CFR Section 60.502(b);<br>Minn. R. 7011.1550  |
| <b>B. OPERATIONAL REQUIREMENTS</b>   | hdr  |
| Design Requirement: The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded during the performance test when measured by the procedures specified in 40 CFR Section 60.503(d).   | 40 CFR Section 60.502(h);<br>Minn. R. 7011.1550; Also meets CAM requirements under 40 CFR Section 64.3 |
| Gauge Pressure Requirement: No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water).  | 40 CFR Section 60.502(i);<br>Minn. R. 7011.1550; Also meets CAM requirements under 40 CFR Section 64.3 |
| Loadings: Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline trucks using the following procedures. The Permittee shall:<br><br>1. Obtain the vapor tightness documentation described in 40 CFR Section 60.505(b) for each gasoline tank truck which is to be loaded at the facility.<br>2. Require the tank identification number to be recorded as each gasoline tank truck is loaded at the facility.<br>3. Cross-check each tank identification number with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded.<br>4. Notify the owner or operator of each nonvapor-tight gasoline tank truck loaded at the facility within 3 weeks after the loading has occurred.<br>5. Take steps assuring that the nonvapor-tight gasoline tank truck will not be reloaded at the facility until vapor tightness documentation for that tank is obtained.<br>6. Alternate procedures may be used upon application to, and approval by, the Administrator. | 40 CFR Section 60.502(e);<br>Minn. R. 7011.1550  |
| Operation Requirement: The Permittee shall act to assure that loadings of gasoline tank trucks at the facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.   | 40 CFR Section 60.502(f);<br>Minn. R. 7011.1550  |
| Operation Requirement: The Permittee shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. This includes training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.  | 40 CFR Section 60.502(g);<br>Minn. R. 7011.1550  |
| Operation Requirement: At all times, including periods of startup, shutdown, and malfunction, owners and operators shall maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection.  | 40 CFR Section 60.11(d)  |
| <b>C. MONITORING AND RECORDKEEPING REQUIREMENTS</b>  | hr   |
| Monthly Inspections: Each calendar month record and document the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. For purposes of this requirement, detection methods incorporating sight, sound, or smell are acceptable.   | 40 CFR Section 60.502(j);<br>Minn. R. 7011.1550; Also meets CAM requirements under 40 CFR Section 64.7 |
| Leak Repairs: Each detection of a leak shall be recorded and the source of the leak repaired within 15 days after each inspection.   | 40 CFR Section 60.502(j);<br>Minn. R. 7011.1550; Also meets CAM requirements under 40 CFR Section 64.7 |

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-9**

12/29/08

Facility Name: Magellan Pipeline Co LP - St Paul

Permit Number: 12300070 - 004

|  |   |
|--|---|
| Recordkeeping: The documentation file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by Method 27 or equivalent method. Trucks tested in accordance with 40 CFR Section 63.425(e) are considered to meet this requirement. This documentation shall include, as a minimum, the following information:<br><br>(1) Test title: Gasoline Delivery Tank Pressure Test -EPA Reference Method 27.<br>(2) Tank owner and address.<br>(3) Tank identification number.<br>(4) Testing location.<br>(5) Date of test.<br>(6) Tester name and signature.<br>(7) Witnessing inspector, if any: Name, signature, and affiliation.<br>(8) Test results: Actual pressure change in 5 minutes, mm of water (average for 2 runs). | 40 CFR Section 60.505(b);<br>Minn. R. 7011.1550   |
| Recordkeeping: The tank truck vapor tightness documentation shall be kept on file at the terminal in a permanent form available for inspection.  | 40 CFR Section 60.505(a);<br>Minn. R. 7011.1550   |
| Leak Recordkeeping: A record of each monthly leak inspection shall be kept on file at the terminal for at least five (5) years and shall include, at a minimum:<br><br>1. Date of inspection<br>2. Findings (no leaks, or nature and severity of leaks)<br>3. Leak determination method<br>4. Corrective action (date each leak repaired, reasons for the repair interval >15 days)<br>5. Inspector name and signature.  | 40 CFR Section 60.505(c);<br>Minn. R. 7011.1550;<br>Minn. R. 7007.0800, subp. 5                                 |
| Recordkeeping of Notifications: The Permittee shall keep documentation of all notifications required under 40 CFR Section 60.502(e)(4) on file at the terminal for at least five (5) years.  | 40 CFR Section 60.505(d);<br>Minn. R. 7011.1550   |
| Component Recordkeeping: The Permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system on site for at least five (5) years.   | 40 CFR Section 60.505(f);<br>Minn. R. 7011.1550   |
| Correction Actions: If the gauge pressure in the delivery tank exceeds 4,500 pascals (450 mm of water) during product loading, the Permittee shall take corrective action as soon as possible according to the control equipment manufacturer's specifications and the facility operation and maintenance plan. The Permittee shall keep a log of all corrective actions taken with records entered upon completion of each corrective action.<br><br>All situations warranting corrective actions are deviations, the Permittee shall report the deviations in the semiannual deviations report as required in the total facility section of this permit.   | Minn. R. 7007.0800, subp. 2; Also meets CAM requirements under 40 CFR Section 64.7(d)                           |
| Semiannual Inspection: The Permittee shall inspect the vapor combustion unit (VCU) at least semiannual and shall maintain a written record of the inspection and any action resulting from the inspection.   | Minn. R. 7007.0800, subps. 4, 5, and 14; Also meets CAM requirements under 40 CFR Section 64.3 (b)(4)           |
| Operation and Maintenance (O & M) Plan: The Permittee shall operate and maintain the vapor combustion unit in accordance with the facility O & M Plan and the control equipment manufacturer's specifications. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.   | Minn. R. 7007.0800, subps 2 and 14; Also meets CAM requirements under 40 CFR Section 64.8                       |
| D. POLLUTION CONTROL EQUIPMENT REQUIREMENTS  | hdr   |
| The Permittee shall operate the enclosed flare (CE 002) during loading to control emissions from the Bottom Loading Rack (EU 002). The Permittee shall document periods of non-operation of the control equipment.   | Minn. R. 7007.0800, subps. 2 and 14   |
| Recordkeeping Requirement: The Permittee shall record each startup, shutdown, or malfunction of the vapor combustion unit.   | 40 CFR Section 60.7(b)  |
| E. PERFORMANCE TESTING REQUIREMENTS  | hdr   |
| Performance Test: due before end of each 60 months starting 09/07/2007 for total organic compounds, and pressure according to 40 CFR Section 60.502(h). The first performance test required under this condition was completed on November 18, 2002.   | 40 CFR Section 60.502(h); Minn. R. 7017.2020, subp. 1; Also meets CAM requirements under 40 CFR Section 64.3(c) |
| Performance Test Notifications and Submittals;<br><br>Performance Test Notification (written): due 30 days before each Performance Test<br>Performance Test Plan: due 30 days before each Performance Test<br>Performance Test Pre-Test Meeting: due 7 day before each Performance Test<br>Performance Test Report: due 45 days after each Performance Test<br>Performance Test Report - Microfiche Copy or CD: due 105 day after each Performance Test.<br>The Notification, Test Plan, and Test Report may be submitted in alternative format as allowed by Minn. R. 7017.2018.  | Minn. R. 7017.2030, subp. 1-4; Minn. R. 7017.2018 and Minn. R. 7017.2035, subp. 1-2                             |

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Magellan Pipeline Co LP - St Paul  
Permit Number: 12300070 - 004

|  |   |
|--|---|
| F. REPORTING REQUIREMENT   | hdr   |
| Corrective Actions Reporting: All situations warranting corrective actions are deviations, the Permittee shall report the deviations in the semiannual deviations report as required in the total facility section of this permit. | Minn. R. 7007.0800, subp. 2; Also meets CAM requirements under 40 CFR Section 96.9(c) |

**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-11**

12/29/08

Facility Name: Magellan Pipeline Co LP - St Paul

Permit Number: 12300070 - 004

**Subject Item:** CE 001 Flaring**Associated Items:** EU 001 Tank Truck Bottom Load - MPL w/Vapor Combustor Control

| What to do   | Why to do it  |
|--|---|
| A. POLLUTANT LIMIT   | hdr   |
| Visible Emission: The flare shall be designed for and operated with no visible emissions, except for periods not to exceed a total 5 minutes in any 2 consecutive hours, as determined by Method 22. This limit does not apply during startup, shutdown, or malfunction.   | 40 CFR Section 60.18(c)(1); 40 CFR Section 60.18(c)(2); Minn. R. 7011.0050  |
| B. OPERATIONAL REQUIREMENTS  | hdr   |
| Operation Limit: Flares must meet maximum velocity and minimum heat content requirements.  | 40 CFR Section 60.18(c)(3)  |
| Operation Requirement: Flares shall be steam-assisted, air-assisted, or non-assisted.  | 40 CFR Section 60.18(c)(6)  |
| Flare Operation: The flare shall be operated with pilot flame at all times when emissions may be vented to them.   | Title I Condition: limit taken to avoid major source classification under 40 CFR Section 63.2; 40 CFR Section 60.18(c)(2); 40 CFR Section 60.18(e); Also meets CAM requirements under 40 CFR Section 64.7 |
| C. MONITORING AND RECORDKEEPING REQUIREMENTS   | hdr   |
| Monitoring of the flare: The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame.   | Title I Condition: limit taken to avoid major source classification under 40 CFR Section 63.2; 40 CFR Section 60.18(f)(2); Minn. R. 7011.0050; Also meets CAM requirements under 40 CFR Section 64.3      |
| Monitoring: Once each operating day visually inspect and document the flare and if visual emissions are observed the Permittee shall use Method 22 to determine the compliance of the flare with the opacity limit. The observation period is 2 hours and shall be used according to Method 22.  | 40 CFR Section 60.18(f)(1); Minn. R. 7011.0050; Also meets CAM requirements under 40 CFR Section 64.3(c)  |
| The Permittee shall operate and maintain the flare in accordance with the Operation and Maintenance (O & M) Plan. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.  | Minn. R. 7007.0800, subps. 2 and 14; Also meets CAM requirements under 40 CFR Section 64.8  |
| Correction Actions of Visible Emissions (VE): If VE are observed, the Permittee shall take corrective action to eliminate the VE. If VE continue, the Permittee shall proceed to perform Method 22 for 2 hours. The Permittee shall keep a log of the Method 22 observations and of all corrective actions taken with records entered upon completion of each corrective action.<br><br>All situations warranting corrective actions are deviations, the Permittee shall report the deviations in the semiannual deviations report as required in the total facility section of this permit. | Minn. R. 7007.0800, subp. 2; Also meets CAM requirements under 40 CFR Section 64.7(d)   |
| D. POLLUTION CONTROL EQUIPMENT REQUIREMENTS  | hdr   |
| The Permittee shall operate the enclosed flare (CE 001) during loading to control emissions from the Bottom Loading Rack (EU 001). The Permittee shall document periods of non-operation of the control equipment.   | Minn. R. 7007.0800, subps. 2 and 14   |
| Recordkeeping Requirement: The Permittee shall record each startup, shutdown, or malfunction of the flare.   | 40 CFR Section 60.7(b)  |
| E. REPORTING REQUIREMENT   | hdr   |
| Corrective Actions Reporting: All situations warranting corrective actions are deviations, the Permittee shall report the deviations in the semiannual deviations report as required in the total facility section of this permit.   | Minn. R. 7007.0800, subp. 2; Also meets CAM requirements under 40 CFR Section 64.9(c)   |



**TABLE A: LIMITS AND OTHER REQUIREMENTS****A-12**

12/29/08

Facility Name: Magellan Pipeline Co LP - St Paul

Permit Number: 12300070 - 004

**Subject Item:** CE 002 Flaring**Associated Items:** EU 002 Tank Truck Bottom Load - Flint Hills Resources (FHR) w/Vapor Combustor Control

| What to do   | Why to do it  |
|--|---|
| A. POLLUTANT LIMIT   | hdr   |
| Visible Emission: The flare shall be designed for and operated with no visible emissions, except for periods not to exceed a total 5 minutes in any 2 consecutive hours, as determined by Method 22. This limit does not apply during startup, shutdown, or malfunction.   | 40 CFR Section 60.18(c)(1); 40 CFR Section 60.18(c)(2); Minn. R. 7011.0050  |
| B. OPERATIONAL REQUIREMENTS  | hdr   |
| Operation Limit: Flares must meet maximum velocity and minimum heat content requirements.  | 40 CFR Section 60.18(c)(3)  |
| Operation Requirement: Flares shall be steam-assisted, air-assisted, or non-assisted.  | 40 CFR Section 60.18(c)(6)  |
| Flare Operation: The flare shall be operated with pilot flame at all times when emissions may be vented to them.   | Title I Condition: limit taken to avoid major source classification under 40 CFR Section 63.2; 40 CFR Section 60.18(c)(2); 40 CFR Section 60.18(e); Also meets CAM requirements under 40 CFR Section 64.7 |
| C. MONITORING AND RECORDKEEPING REQUIREMENTS   | hdr   |
| Monitoring of the flare: The presence of a flare pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame.   | Title I Condition: limit taken to avoid major source classification under 40 CFR Section 63.2; 40 CFR Section 60.18(f)(2); Minn. R. 7011.0050; Also meets CAM requirements under 40 CFR Section 64.3      |
| Monitoring: Once each operating day visually inspect and document the flare and if visual emissions are observed the Permittee shall use Method 22 to determine the compliance of the flare with the opacity limit. The observation period is 2 hours and shall be used according to Method 22.  | 40 CFR Section 60.18(f)(1); Minn. R. 7011.0050; Also meets CAM requirements under 40 CFR Section 64.3(c)  |
| The Permittee shall operate and maintain the flare in accordance with the Operation and Maintenance (O & M) Plan. The Permittee shall keep copies of the O & M Plan available onsite for use by staff and MPCA staff.  | Minn. R. 7007.0800, subps. 2 and 14; Also meets CAM requirements under 40 CFR Section 64.8  |
| Correction Actions of Visible Emissions (VE): If VE are observed, the Permittee shall take corrective action to eliminate the VE. If VE continue, the Permittee shall proceed to perform Method 22 for 2 hours. The Permittee shall keep a log of the Method 22 observations and of all corrective actions taken with records entered upon completion of each corrective action.<br><br>All situations warranting corrective actions are deviations, the Permittee shall report the deviations in the semiannual deviations report as required in the total facility section of this permit. | Minn. R. 7007.0800, subp. 2; Also meets CAM requirements under 40 CFR Section 64.7(d)   |
| D. POLLUTION CONTROL EQUIPMENT REQUIREMENTS  | hdr   |
| The Permittee shall operate the enclosed flare (CE 002) during loading to control emissions from the Bottom Loading Rack (EU 002). The Permittee shall document periods of non-operation of the control equipment.   | Minn. R. 7007.0800, subps. 2 and 14   |
| Recordkeeping Requirement: The Permittee shall record each startup, shutdown, or malfunction of the flare.   | 40 CFR Section 60.7(b)  |
| E. REPORTING REQUIREMENT   | hdr   |
| Corrective Actions Reporting: All situations warranting corrective actions are deviations, the Permittee shall report the deviations in the semiannual deviations report as required in the total facility section of this permit.   | Minn. R. 7007.0800, subp. 2; Also meets CAM requirements under 40 CFR Section 64.9(c)   |

**TABLE B: SUBMITTALS****B-1** 12/29/08

Facility Name: Magellan Pipeline Co LP - St Paul  
Permit Number: 12300070 - 004

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.

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 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 any application for a permit or permit amendment to:

AQ Permit Technical Advisor  
Industrial Division  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, Minnesota 55155-4194

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

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

AQ Compliance Tracking Coordinator  
Industrial Division  
Minnesota Pollution Control Agency  
520 Lafayette Road North  
St. Paul, Minnesota 55155-4194

TABLE B: ONE TIME SUBMITTALS OR NOTIFICATIONS

Facility Name: Magellan Pipeline Co LP - St Paul  
Permit Number: 12300070 - 004

| What to send                      | When to send                                      | Portion of Facility Affected |
|-----------------------------------|---|------------------------------|
| Application for Permit Reissuance | due 180 days before expiration of Existing Permit | Total Facility               |

**TABLE B: RECURRENT SUBMITTALS****B-3** 12/29/08

Facility Name: Magellan Pipeline Co LP - St Paul

Permit Number: 12300070 - 004

| What to send                 | When to send   | Portion of Facility Affected |
|------------------------------|--|------------------------------|
| Semiannual Deviations Report | due 30 days after end of each calendar half-year starting 01/12/1998 . 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. If no deviations have occurred, the Permittee shall submit the report stating no deviations. | Total Facility               |
| Compliance Certification     | due 31 days after end of each calendar year starting 01/12/1998 (for the previous calendar year). To be submitted on a form approved by the Commissioner, both to the Commissioner and to the US EPA regional office in Chicago. This report covers all deviations experienced during the calendar year.   | Total Facility               |

APPENDIX MATERIAL

**Facility Name:** Magellan Pipeline Co., L.P. - St Paul  
**Permit Number:** 12300070-004

**Appendix B**

**Insignificant Emission Units and Applicable Requirements**

| Description of Activity  | Applicable Insignificant Activities Requirement | Likely Applicable Requirement |
|--|---|-------------------------------|
| Laboratory for QC of liquid petroleum products and ethanol.  | Minn. R. 7007.1300, subp. 3.G.                  | Minn. R. 7011.0715/0735       |
| Occasional Tank/Pipe Painting  | Minn. R. 7007.1300, subp. 3. K.                 | Minn. R. 7011.0715/0735       |
| Tank Cleaning for short duration   | Minn. R. 7007.1300, subp. 3. I                  | Minn. R. 7011.0715/0735       |
| Portable water treatment equipment, including, but not limited to, air stripper, carbon filter units, and chemical/biological units  | Minn. R. 7007.1300, subp. 3. I                  | Minn. R. 7011.0715/0735       |
| Water storage tank   | Minn. R. 7007.1300, subp. 3. E                  | Minn. R. 7011.1505            |
| Fuel bulk additive storage tanks<br>5 - @ 1,000 gals/each<br>2 - @ 2,000 gals/each<br>4 - @ 6,000 gals/each<br>1- @ 8,000 gals<br>4 - @ 500 gals/each<br>1 – @ 12,000 gals<br>1 - @ 4,000 gals | Minn. R. 7007.1300, subp. 3.I                   | Minn. R. 7011.1505            |
| Natural Gas Furnace (203,000 Btu/hr)   | Minn. R. 7007.1300, subp. 3.A.                  | Minn. R. 7011.0510            |
| Pressure Vessels- Tanks 904 and 951  | Minn. R. 7007.1300, subp. 3. E.                 | Minn. R. 7011.1505            |
| Ethanol Off Loading  | Minn. R. 7007.1300, subp. 4                     | Minn. R. 7011.0105            |
| Fugitive Emissions from Roads and Parking Lots   | Minn. R. 7007.1300, subp. 3. J                  | Minn. R. 7011.0150            |



**TECHNICAL SUPPORT DOCUMENT**  
**For**  
**AIR EMISSION PERMIT NO. 12300070-004**

This technical support document is intended for all parties interested in the permit and to meet the requirements that have been set forth by the federal and state regulations (40 CFR § 70.7(a)(5) and Minn. R. 7007.0850, subp.1). The purpose of this document is to provide the legal and factual justification for each applicable requirement or policy decision considered in the determination to issue the permit.

**1. General Information**

**1.1 Applicant and Stationary Source Location:**

| Applicant/Address  | Stationary Source/Address<br>(SIC Code: 4613)   |
|--|---|
| Magellan Midstream Partners, L.P.<br>One Williams Center<br>PO Box 22186 MD 27-3<br>Tulsa, OK 74121-2186 | Magellan Pipeline Co LP - St. Paul<br>2451 W County Road C<br>Roseville Ramsey County |
| Contact: Ryan Bowers<br>Phone: 918-574-7471  |   |

**1.2 Description of the Facility**

Magellan Midstream Partners, L.P. owns and operates a liquid petroleum bulk storage and terminal interstate pipeline in Roseville, Minnesota. The facility consists of storage tanks, pump stations, tank truck loading racks with vapor controller and vapor processing systems, soil vapor extraction unit and insignificant emission units. The terminal receives and transports petroleum products to other terminals through an interstate pipeline distribution network.

The main sources of air emissions are volatile organic compounds (VOCs) from this facility. The facility is a major source under the federal operation permits program (40 CFR pt. 70) and major source under federal New Source Review (NSR). The permit limits hazardous air pollutants (HAPs) emissions such that the facility is an area source under the National Emissions Standards for Hazardous Air Pollutants (NESHAPs, 40 CFR pt. 63).

**1.3 Description of the Activities Allowed by this Permit Action**

An administrative amendment application was received November 15, 2007, in accordance with Minn. R. 7007.1400, subp 1(C) to implement 40 CFR pt. 60, subp. Ka into the permit for Tanks 019, 020, 027, 029 and 032. The application was submitted in accordance with Paragraph No. 32 of Administrative Consent Order EPA-5-07-113(a)-MN-03, issued by Environmental Protection Agency Region 5. As described in the Consent Order, the EPA has determined that the tanks are subject to New Source Performance Standard (NSPS) Subpart Ka because the tanks were modified by installation of internal floating roofs in 1981 and the subsequent storage of gasoline

in the tanks. The existing tank design for each of the subject tanks complies with the internal floating roof requirements of 40 CFR Section 60.112a(a)(2). Magellan Pipeline Co (MPC) has made no recent physical modifications to the tanks, and is not proposing any at this time.

MPC is not seeking to increase potential emissions from the storage tanks. Potential emissions from the tanks are the same as those represented in the most recent previous permit application. Test frequencies for EU001 and EU002 at the facility will remain at 60 months based on performance test results from September 6-7, 2007.

#### **1.4. Facility Classification:**

**Table 1. Facility Classification**

| <b>Classification</b>  | <b>Major/Affected Source</b> | <b>Synthetic Minor</b> | <b>Minor</b>  |
|------------------------|------------------------------|------------------------|---|
| PSD                    | VOC (Ozone)                  |                        | PM, PM <sub>10</sub> , NO <sub>x</sub> , CO & SO <sub>2</sub> |
| Part 70 Permit Program | VOC                          |                        | PM, PM <sub>10</sub> , NO <sub>x</sub> , CO & SO <sub>2</sub> |
| Part 63 NESHAP         |                              | HAP                    |   |

## **2. Regulatory and/or Statutory Basis**

### New Source Review

The facility is an existing major source under New Source Review (40 CFR § 52.21) regulations. No changes subject to NSR are authorized by this permit action.

### Part 70 Permit Program

The facility is a major source under the Part 70 permit program.

### New Source Performance Standards (NSPS)

40 CFR pt. 60, subp. Ka: Standards of Performance for Storage Vessels for Petroleum Liquids for which construction, reconstruction, or modification commenced after May 18, 1978, and prior to July 23, 1984.

### National Emission Standards for Hazardous Air Pollutants (NESHAP)

No NESHAPs are applicable to this permit action.

### Minnesota State Rules

- Minn. R. 7011.1510, subps. 1-3: Monitoring of Operations



**Table 2. Regulatory Overview of Units Affected by the Modification/Permit Amendment**

| <b>EU, GP, or SV</b> | <b>Applicable Regulations</b>                 | <b>Comments:</b>   |
|----------------------|---|--|
| GP 001               | 40 CFR pt. 60, subp. Ka<br>Minn. R. 7011.1510 | Standards of Performance for Petroleum Liquids for which construction, reconstruction, or modification commenced after May 18, 1978, and prior to July 23, 1984. |

### **3. Technical Information**

Performance tests were conducted 9/6/07 for EU001/CE001 (Tank Truck Bottom Load - MPL) and 9/7/07 for EU002/CE002 (Tank Truck Bottom Load - Flint Hills). The test frequency approved from these tests was 60 months. The EU001 and EU002 monthly inspections citation now reads: "Each calendar month record and document the vapor..." The monitoring citations for CE001 and CE002 were updated to read: "Once each operating day visually inspect and document the flare and if visual emissions are observed the Permittee shall use Method 22..."

### **4. Conclusion**

Based on the information provided by Magellan Pipeline Co LP - St. Paul, the MPCA has reasonable assurance that the proposed operation of the emission facility, as described in the Air Emission Permit No. 12300070-004 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:      Tarik Hanafy (permit writer/engineer)  
   Brent Rohne (enforcement)  
   Amrill Okonkwo (peer reviewer)

AQ File No. 1858G; DQ 1761

Attachments:    1. Facility Description and CD-01 Forms  
                         2. Administrative Consent Order EPA-5-07-113(a)-MN-03