AIR EMISSION PERMIT NO. 16300010 - 004
Major Amendment

IS ISSUED TO

Newport Terminal Corp

NEWPORT TERMINAL CORP
50 21st Street
Newport, Washington County, MN 55055

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. 16300010-003 authorizes the Permittee to operate and construct 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 State Implementation Plan (SIP) under 40 CFR § 52.1220 and as such are enforceable by U.S. Environmental Protection Agency (EPA) Administrator or citizens under the Clean Air Act.

Permit Type: State; Limits to Avoid Part 70/Limits to Avoid New Source Review
Operating Permit Issue Date: January 8, 2009
Major Amendment Issue Date: February 16, 2012
Expiration Date: Permit does not expire – Title I Conditions do not expire.

David L. Beil
for Don Smith, P.E., Manager
Air Quality Permits Section
Industrial Division

for Paul W. Aasen
Commissioner
Minnesota Pollution Control Agency

Permit Applications Table

Permit Type	Application Date	Permit Action
Total Facility Operating Permit	May 18, 2001	001
Major Amendment	May 27, 2008 and August 29, 2008	002
Administrative Amendment	None; MPCA – Initiated	003
Major Amendment	September 19, 2011	004

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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 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:

The Newport Terminal (facility) is a bulk transfer and storage terminal for petroleum products (gasoline and diesel fuel). The facility consists of three ethanol storage tanks, seven gasoline storage tanks, two small tanks for gasoline additive and for diesel fuel storage, and a transfer station with two loading racks. Loading Rack 1 (used for blended gasoline loadout) has a vapor collections system that vents to a flare with propane pilots. The facility operates under a federally enforceable state operating permit.

Volatile Organic Compounds (VOC) are the main pollutant from the facility, including volatile Hazardous Air Pollutants (HAP). The VOCs are emitted from product loading, storage tank standing and working losses, tank roof landing events, fugitive emissions from valves, pumps, and flanges, and tanker purging. Ethanol and sub-octane gasoline are blended as they are loaded into gasoline cargo tanks to produce 87 octane no lead regular gasoline with 10 percent ethanol as well as storing E-85.

The VOC emissions from unloading of gasoline from delivery trucks to gasoline service station storage tanks at service stations are collected and then displaced from the cargo tanker upon tanker refilling at the facility.

Tankers may occasionally be purged of vapors to allow for maintenance, by pumping air into the tanker to displace the combustible vapors. These vapors cannot be vented to the flare system during purging because this could create explosive mixtures in the vapor collection system as the air/gasoline vapor mixture pass through the explosive range.

The facility is a petroleum storage and transfer unit with a total storage capacity exceeding 300,000 barrels (equivalent to 12.6 mmgal) and therefore is one of the 28 listed source categories under new source review. As a result the facility is subject to the 100 tpy major source threshold of a regulated pollutant, including fugitives. The limited controlled VOC emissions are below PSD major source threshold (100tpy) to avoid PSD permitting requirements.

AMENDMENT DESCRIPTIONS:

Permit Action – 004: This is a major amendment to install a vapor recovery unit (VRU) which will replace the existing flare as the primary VOC control device for the gasoline truck loading rack. The new VRU (CE 002) will be a carbon adsorption system with the capability to recover gasoline vapors and return the recovered gasoline back to the facility's gasoline storage tank system. VOC emissions will be monitored by a CEMS unit (MR 002).

Permit Action – 003: This permit action (initiated by the MPCA) was an administrative amendment to a federally enforceable state operating permit. This permit corrected typographical errors in the GP 001 Standing Losses and Working Losses recordkeeping requirements in permit No. 16300010-002. No emissions changes or facility modifications were authorized by this permit.

Permit Action – 002: This is a major amendment for a New Source Performance Standards modification. The facility loading rack 1 (EU 001) is an affected facility as defined in part 60, subpart XX. The Permittee requested to increase the loading rate of loading rack 1. This is a modification as defined at §§ 60.2 and 60.14. Therefore loading rack 1 becomes subject to part 60 subp. XX.

This amendment replaced the 67.2 tpy EU 001 VOC limit with a 95 tpy total facility VOC limit. Restructuring the limit was done in part to account for gasoline storage tank internal floating roof landing emissions that were not included in the original emission calculations for the existing permit (16300010-001) because the calculation procedures for roof landing emissions were not available at that time.

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Newport Terminal Corp

Permit Number: 16300010 - 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**

What to do	Why to do it
SOURCE-SPECIFIC REQUIREMENTS	hdr
Recordkeeping: Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of the facility including 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(b); Minn. R. 7019.0100, subp. 1
Permit Appendices: This permit contains Appendices I and II as listed in the permit Table of Contents. The Permittee shall comply with all requirements contained in the appendices.	40 CFR Section 60.503(c)(3); Minn. R. 7007.0800, subp. 2
TOTAL FACILITY VOC LIMIT	hdr
Volatile Organic Compounds: less than or equal to 95.0 tons/year using 12-month Rolling Sum calculated by the 15th day of each month for the previous 12-month period using the calculation method below. This limit applies to the total VOC emissions from the facility.	Title I Condition: to avoid classification as a major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2
OPERATIONAL REQUIREMENTS	hdr
The Permittee shall comply with National Primary and Secondary Ambient Air Quality Standards, 40 CFR pt. 50, and the Minnesota Ambient Air Quality Standards, Minn. R. 7009.0010 to 7009.0080. Compliance shall be demonstrated upon written request by the MPCA.	40 CFR pt. 50; Minn. Stat. Section 116.07, subds. 4a & 9; Minn. R. 7007.0100, subps. 7A, 7L & 7M; Minn. R. 7007.0800, subps. 1, 2 & 4; Minn. R. 7009.0010-7009.0080
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.	40 CFR Section 63.11085 (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 shall include a preventative maintenance program for that equipment, a description of (the minimum but not necessarily the only) corrective actions to be taken to restore the equipment 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 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
PERFORMANCE TESTING	hdr

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Newport Terminal Corp

Permit Number: 16300010 - 004

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 stated in the MPCA Notice of Compliance letter granting preliminary approval. Preliminary approval is based on formal review of a subsequent performance test on the same unit as specified by Minn. R. 7017.2025, subp. 3. The limit is final upon issuance of a permit amendment incorporating the change.	Minn. R. 7017.2025
Performance Test Notifications and Submittals: Performance Tests are due as outlined in Tables A and B of the permit. See Table B for additional testing requirements. Performance Test Notification (written): 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 The Notification, Test Plan, and Test Report may be submitted in alternative format as allowed by Minn. R. 7017.2018.	Minn. R. 7017.2018; Minn. R. 7017.2030, subps. 1-4; Minn. R. 7017.2035, subps. 1-2; 40 CFR Section 60.8(d)
MONITORING REQUIREMENTS	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)
RECORDKEEPING	hdr
Monthly VOC Emissions Calculations: by the 15th day of each month, the Permittee shall calculate and record the following: 1. total facility VOC emissions during the previous month using the following equation: TFE = (LR1 + LR2 + TS + TW + TL + FE + TP)/2000 where: TFE = total terminal facility monthly VOC emissions, tons LR1 = loading rack 1 emissions calculated under EU 001, lb/month LR2 = loading rack 2 emissions calculated under EU 002, lb/month TS = storage tank standing losses calculated under GP 001, lb/month TW = storage tank working losses calculated under GP 001, lb/month TL = tank roof landing emissions calculated under GP 001, lb/month FE = fugitive emissions calculated under FS 001, lb/month TP = tanker purging emissions calculated under FS 002, lb/month 2. total facility 12-month rolling sum VOC emissions by summing the monthly VOC emissions from the previous 12 months.	Title I Condition: to avoid classification as a major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2
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. These records shall be kept for a period of five years from the date that the change was made. 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
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)

Facility Name: Newport Terminal Corp

Permit Number: 16300010 - 004

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); meets requirement of 40 CFR Section 60.7(f) & Minn. R. 7019.0100, subp. 1
REPORTING/SUBMITTALS	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. 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
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 - 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. Submit the report on a form approved by the Commissioner.	Minn. R. 7019.3000 - Minn. R. 7019.3010
Emission Fees: due 60 days after receipt of an MPCA bill.	Minn. R. 7002.0005 - 7002.0095

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Newport Terminal Corp

Permit Number: 16300010 - 004

Subject Item: **GP 001 Storage Tanks**

Associated Items: TK 001 Tank 103 Ethanol

TK 002 Tank 104 Ethanol

TK 003 Tank 105 Ethanol

TK 004 Tank 106 Gasoline

TK 005 Tank 107 Gasoline

TK 006 Tank 108 Gasoline

TK 007 Tank 109 Gasoline

TK 008 Tank 110 Gasoline

TK 009 Tank 111 Gasoline

TK 010 Tank 112 Gasoline

TK 012 Diesel Fuel

TK 013 Gasoline additive

What to do	Why to do it
Recordkeeping - Gasoline Throughput: By the 15th day of each month the Permittee shall calculate and record gasoline throughput during the previous calendar month as follows: 1. TK 004 (Tank 106) throughput; 2. TK 005, TK 006, TK 007, TK 008, TK 009, and TK 010 (Tank 107 - Tank 112) total throughput.	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2; Minn. R. 7007.0800, subps. 4 and 5
Recordkeeping - Tank Landings: by the 15th day of each month the Permittee shall calculate and record the following: 1. the combined total tank landings for TK 005, TK 006, TK 007, TK 008, TK 009, and TK 010 during the previous calendar month; 2. the total tank landings for TK 004 during the previous calendar month.	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2; Minn. R. 7007.0800, subps. 4 and 5
Standing Losses Calculations: By the 15th day of each month, calculate and record total tanks standing losses using the following equation for the previous calendar month: TS = 3*A + B + 6*C + D + E = 4051 lb/month where: TS = total standing losses (lbs/month) A = ethanol tank standing loss factor, 128 lb/month/tank B = Tank 106 (TK 004) rim seal, deck fitting, and deck seam emission factor, 360 lb/month C = Tanks 107 - 112 (TK 005 - TK 010) rim seal, deck fitting, and deck seam loss emission factor, 551 lb/month/tank D = Detergent Additive Tank (TK 013) standing emission factor, 1.09 lb/month E = Fuel Oil Tank B (TK 012) standing emission factor, 0.20 lb/month Revise the above equation as needed for tanks taken out of service.	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2; Minn. R. 7007.0800, subps. 4 and 5

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Working Losses Calculations: By the 15th day of each month, calculate and record total tanks standing losses for the previous calendar month using the following equation: TW = F*G + H*I + J*K + L*M + N*O where: TW = working losses (lbs/month) F = ethanol tanks (TO 001 - TK 003) working loss factor, 4.70*10^-4 lbs/gal G = monthly total combined ethanol throughput, gal/month H = Tank 106 (TK 004) working loss factor, 3.02*10^-6 lbs/gal I = Tank 106 monthly gasoline throughput, gal/month J = Tanks 107 - 112 (TK 005 - TK 010) working loss factor, 2.02*10^-6 lbs/gal K = Tanks 107 - 112 monthly gasoline throughput, gal/month L = Detergent Additive Tank (TK 013) working loss factor, 1.06*10^-4 lbs/gal M = Detergent Additive Tank monthly throughput, gal/month N = Fuel Oil Tank B (TK 012) working loss factor, 1.44*10^-5 lbs/gal O = Fuel Oil Tank B monthly throughput Monthly throughputs are in gallons.	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2; Minn. R. 7007.0800, subps. 4 and 5
Tank Landing Emission Calculations: By the 15th day of each month, calculate and record total tank landing emissions for the previous month using the following equation: TL = P*Q + R*S TL = Tank Landing Emissions (lb/month) P = emission factor, 2660 lb/landing for TK 005 - TK 010 Q = total number of tank roof landings during the previous month for TK 005 - TK 010 R = emission factor, 1196 lb/landing for TK 004 S = total number of TK 004 roof landings for the previous month	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2; Minn. R. 7007.0800, subps. 4 and 5

Facility Name: Newport Terminal Corp

Permit Number: 16300010 - 004

Subject Item: **GP 002 40 CFR pt. 63, subp. BBBBBB Requirements, Enforcement Not Delegated to MPCA.**

Associated Items: CE 001 Flaring

CE 002 Vapor Recovery System-Condensers, Hoods, & Other Enclosures

EU 001 Loading Rack 1 - gasoline

MR 001 Temperature reading

MR 002 VRU CEMS, NDIR Gas Analyzer

TK 004 Tank 106 Gasoline

TK 005 Tank 107 Gasoline

TK 006 Tank 108 Gasoline

TK 007 Tank 109 Gasoline

TK 008 Tank 110 Gasoline

TK 009 Tank 111 Gasoline

TK 010 Tank 112 Gasoline

What to do	Why to do it
40 CFR pt. 63, subp. BBBBBB Requirements, Enforcement Not Delegated to MPCA.	hdr
This facility meets the definition of an existing bulk gasoline terminal, a gasoline storage and distribution facility that receives gasoline by pipeline, ship or barge, or cargo tank and has a gasoline throughput of 20,000 gallons per day or greater. Gasoline throughput shall be the maximum calculated design throughput as defined at 40 CFR Section 63.11100.	40 CFR Sections 63.11089(e) and 63.11083(b)
For any affected source subject to the provisions of this subpart and another Federal rule, The Permittee may elect to comply only with the more stringent provisions of the applicable subparts. They must consider all provisions of the rules, including monitoring, recordkeeping, and reporting. The Permittee must identify the affected source and provisions with which they will comply in the Notification of Compliance Status required under 40 CFR Section 63.11093. They also must demonstrate in your Notification of Compliance Status that each provision with which the Permittee will comply is at least as stringent as the otherwise applicable requirements in this subpart.	40 CFR Section 63.11081 (i)
The Permittee is responsible for making accurate determinations concerning the more stringent provisions; noncompliance with this rule is not excused if it is later determined that your determination was in error, and, as a result, The Permittee is violating this subpart. Compliance with this rule is the responsibility of The Permittee's, and the Notification of Compliance Status does not alter or affect that responsibility.	40 CFR Section 63.11081 (i)
The Permittee must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source .	40 CFR Section 63.11085 (a)
For each gasoline storage tank with a capacity of greater than or equal to 75 cubic meters, the Permittee must equip each internal floating roof gasoline storage tank according to the requirements in 40 CFR Section 60.112b(a)(1), except for the secondary seal requirements under 40 CFR Section 60.112b(a)(1)(ii)(B) and the requirements in 40 CFR Section 60.112b(a)(1)(iv) through (ix)	40 CFR Section 63.11087(a); 40 CFR Section 60.112(b); Minn. R. 7011.1520
For each gasoline terminal loading rack with a gasoline throughput of greater than or equal to 250,000 gallons per day, where gallons per day is calculated by summing the current day's throughput, plus the throughput for the previous 364 days, and then dividing that sum by 365, the Permittee must: (a) Equip loading rack(s) with a vapor collection system designed to collect the TOC vapors displaced from cargo tanks during product loading; and (b) Reduce emissions of TOC to less than or equal to 80 mg/l of gasoline loaded into gasoline cargo tanks at the loading rack; and	40 CFR Section 63.11088(a); 40 CFR Section 60.112(b); Minn. R. 7011.1520

continued: (c) Design and operate the vapor collection system to prevent any TOC vapors collected at one loading rack or lane from passing through another loading rack or lane to the atmosphere; and (d) Limit the loading of gasoline into gasoline cargo tanks that are vapor tight using the procedures specified in 40 CFR Section 60.502(e) through (j) of this chapter. For the purposes of this section, the term "tank truck" as used in 40 CFR Section 60.502(e) through (j) of this chapter means "cargo tank" as defined in 40 CFR Section 63.11100 .	40 CFR Section 63.11088(a); 40 CFR Section 60.112(b); Minn. R. 7011.1520
The Permittee shall comply with the requirements of this subpart by the applicable dates specified in 40 CFR Section 63.11083, except that storage vessels equipped with floating roofs and not meeting the requirements of paragraph (a) of this section must be in compliance at the first degassing and cleaning activity after January 10, 2011 or by January 10, 2018, whichever is first .	40 CFR Section 63.11087 (b); Minn. R. 7011.1520
INSPECTION REQUIREMENTS	hdr
Monthly Leak Inspections: The Permittee shall perform a monthly leak inspection of all equipment in gasoline service, as defined in 40 CFR Section 63.11100. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. 40 CFR Section 63.11100 defines 'in gasoline service' as a piece of equipment used in a system that transfers gasoline or gasoline vapors and 'monthly' as once per calendar month at regular intervals of no less than 28 days and no more than 35 days.	40 CFR Sections 63.11089(a) and 63.11100
Leak Inspection Recordkeeping: A log book shall be used and shall be signed by the Permittee at the completion of each inspection. A section of the log book shall contain a list, summary description, or diagram(s) showing the location of all equipment in gasoline service at the facility.	40 CFR Section 63.11089(b)
Each detection of a liquid or vapor leak shall be recorded in the log book. When a leak is detected, an initial attempt at repair shall be made as soon as practicable but no later than 5 calendar days after the leak is detected. Repair or replacement of leaking equipment shall be completed within 15 calendar days after detection of each leak, except as provided in the requirement listed below (referring to 40 CFR Section 63.11089(d)).	40 CFR Section 63.11089(c)
Delay of Equipment Leak Repair: Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The Permittee shall provide in the semiannual Excess Emissions Report specified in 40 CFR Section 63.11095(b), the reason(s) why the repair was not feasible and the date each repair was completed.	40 CFR Section 63.11089(d)
The Permittee shall install, calibrate, certify, operate, and maintain, according to the manufacturer's specifications, a continuous monitoring system (CMS) while gasoline vapors are displaced to the vapor processor systems. As specified below: (1) This includes MR 001, Flare CMS for CE 001 and (2) MR 002, VRU CEMS, for CE 002.	40 CFR Section 63.11092(b)
The Permittee shall monitor the operation of CE 002 using MR 003, a continuous emissions monitoring system (CEMS), or, when using CE001, monitor CE001 using MR001 continuous monitoring system (CMS).	40 CFR Section 63.11092(b)(1)(i)(A)
TESTING AND MONITORING REQUIREMENTS	hdr
The Permittee shall conduct a performance test on the vapor processing and collection systems (CE 002) according to either 40 CFR Section 63.11092(a)(1)(i) or (a)(1)(ii). Test method specifications for 40 CFR Section 63.11092(a)(1)(i) is described in the performance test requirements for EU 001 with the exception that a reading of 500 parts per million shall be used to determine the level of leaks to be repaired.	40 CFR Section 63.11092(a)
The performance test requirements of 40 CFR Section 63.11092(a) do not apply to flares defined in 40 CFR Section 63.11100 and meeting the flare requirements in 40 CFR Section 63.11(b). The Permittee shall demonstrate that the flare and associated vapor collection system is in compliance with the requirements in 40 CFR Sections 63.11(b) and 60.503(a), (b), and (d).	40 CFR Section 63.11092(a)(4)
The Permittee shall keep records of the test results for each gasoline cargo tank loading at the facility as specified below: (1) Annual certification testing performed under 40 CFR Section 63.11092(f)(1).	40 CFR Section 63.11094(b)

continued: (2) The documentation file shall be kept up-to-date for each gasoline cargo tank loading at the facility. The documentation for each test shall include, as a minimum, the following information: (i) Name of test: Annual Certification Test Method 27 or Periodic Railcar Bubble Leak Test Procedure. (ii) Cargo tank owner's name and address. (iii) Cargo tank identification number. (iv) Test location and date. (v) Tester name and signature. (vi) Witnessing inspector, if any: Name, signature, and affiliation. (vii) Vapor tightness repair: Nature of repair work and when performed in relation to vapor tightness testing. (viii) Test results: Test pressure; pressure or vacuum change, mm of water; time period of test; number of leaks found with instrument; and leak definition .	40 CFR Section 63.11094(b), continued
continued: (3) If the Permittee is complying with the alternative requirements in 40 CFR Section 63.11088(b), they must keep records documenting that the Permittee has verified the vapor tightness testing according to the requirements of the Administrator .	40 CFR Section 63.11094(b), continued
For performance tests performed after the initial test required by 40 CFR Section 63.11092(a), the Permittee shall document the reasons for any change in the operating parameter value since the previous performance test.	40 CFR Section 63.11092(c)
The Permittee shall: (1) Operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the operating parameter value for the parameters described in 40 CFR Section 63.11092(b)(1). (2) In cases where an alternative parameter pursuant to 40 CFR Section 63.11092(b)(1)(iv) or (b)(5)(i) is approved, the Permittee shall operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the alternative operating parameter value. (3) Operation of the vapor processing system in a manner exceeding or going below the operating parameter value, as appropriate, shall constitute a violation of the emission standard in 40 CFR Section 63.11088(a), except as specified in 40 CFR Section 63.11092(d)(4).	40 CFR Section 63.11092(d)
For each gasoline storage tanks equipped with an internal floating roof, the Permittee must perform inspections of the floating roof system according to the requirements of 40 CFR Section 60.113b(a).	40 CFR Sections 63.11092(e)(1) and 60.113b(a); Minn. R. 7011.1520
The annual certification test for each gasoline cargo tank shall consist of the test methods specified in 40 CFR Section 63.11092(f)(1) or (2). Facilities that are also subject to 40 CFR pt. 60, subp. XX may elect, after notification to the MPCA, to comply with 40 CFR Section 63.11092(f)(1) or (2)..	40 CFR Section 63.11092(f)
Conduct of performance tests. Performance tests conducted for this subpart shall be conducted under such conditions as the Administrator specifies to the owner or operator, based on representative performance (i.e., performance based on normal operating conditions) of the affected source. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests.	40 CFR Section 63.11092 (g)
The Permittee shall develop and submit to the Administrator a monitoring and inspection plan that describes the Permittee's approach for meeting the following requirements: 1) CE 001 and CE 002 shall be equipped to automatically prevent gasoline loading operations from beginning at any time that the pilot flame is absent at CE 001, or the VOC CEMS indicates CE 002 is not operating within its operating parameter limit. The shutdown requirement will apply to the control device (CE 001 or CE 002) which is in active service. 2) The Permittee shall verify, during each day of operation of EU 001, the proper operation of the assist-air blower, the vapor line valve, and the emergency shutdown system. Verification shall be through visual observation or through an automated alarm or shutdown system that monitors and records system operation. A manual or electronic record of the start and end of a shutdown event may be used.	40 CFR Section 63.11092(b)(1)(iii)(B)(2)

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continued: 3) The Permittee shall perform semi-annual preventive maintenance inspections of the thermal oxidation system and carbon adsoption systems, including the automated alarm or shutdown system for those units so equipped, according to the recommendations of the manufacturer of the system. 4) The monitoring plan shall specify conditions that would be considered CE 001 and 002 malfunctions during the inspections or automated monitoring performed under 40 CFR Section 63.11092(b)(1)(iii)(B)(2)(ii) and (iii), describe specific corrective actions that will be taken to correct any malfunction, and define what the Permittee would consider to be a timely repair for each potential malfunction.	40 CFR Section 63.11092(b)(1)(iii)(B)(2), continued
continued: 5) The Permittee shall document any CE 001 and CE 002 malfunction, as defined in the monitoring and inspection plan, and any activation of the automated alarm or shutdown system with a written entry into a log book or other permanent form of record. Such record shall also include a description of the corrective action taken and whether such corrective actions were taken in a timely manner, as defined in the monitoring and inspection plan, as well as an estimate of the amount of gasoline loaded during the period of the malfunction.	40 CFR Section 63.11092(b)(1)(iii)(B)(2), continued
The Permittee shall determine an operating parameter value based on the parameter data monitored during the performance test, supplemented by engineering assessments and the manufacturer's recommendations. The Permittee shall provide for the Administrator's approval the rationale for the selected operating parameter value, monitoring frequency, and averaging time, including data and calculations used to develop the value and a description of why the value, monitoring frequency, and averaging time demonstrate continuous compliance with the emission standard in 40 CFR Section 63.11088(a).	40 CFR Section 63.11092(b)(3) and (4)
The Permittee shall: (1) Operate the vapor processing system in a manner not to exceed or not to go below, as appropriate, the operating parameter value for the parameters described in 40 CFR Section 63.11092(b)(1). (2) Operation of the vapor processing system in a manner exceeding or going below the operating parameter value, as appropriate, shall constitute a violation of the emission standard in 40 CFR Section 63.11088(a), except as specified in 40 CFR Section 63.11092(d)(4).	40 CFR Section 63.11092(d)(1)-(3)
The Permittee shall keep records as specified in 40 CFR Section 60.115b, except records shall be kept for at least 5 years.	40 CFR Section 63.11094(a)
RECORDKEEPING	hdr
The Permittee shall prepare and maintain a record describing the types, identification numbers, and locations of all equipment in gasoline service. If the Permittee elects to implement an instrument program under 40 CFR Section 63.11089, the record shall contain a full description of the program.	40 CFR Section 63.11094(d)
The Permittee shall record in the log book for each leak that is detected the information specified below: (1) The equipment type and identification number. (2) The nature of the leak (i.e. vapor or liquid) and the method of detection (i.e. sight, sound, or smell). (3) The date the leak was detected and the date of each attempt to repair the leak. (4) Repair methods applied in each attempt to repair the leak. (5) A statement of: Repair Delayed and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak. (6) The expected date of successful repair of the leak if the leak is not repaired within 15 days. (7) The date of successful repair of the leak.	40 CFR Section 63.11094(e)
The Permittee shall: (1) Keep an up-to-date, readily accessible record of the continuous monitoring data required under 40 CFR Section 63.11092(b) or 63.11092(e). This record shall indicate the time intervals during which loadings of gasoline cargo tanks have occurred or, alternatively, shall record the operating parameter data only during such loadings. The date and time of day shall also be indicated at reasonable intervals on this record.	40 CFR Section 63.11094(f)

(2) Record and report simultaneously with the Notification of Compliance Status required under 40 CFR Section 63.11093(b) all data and calculations, engineering assessments, and manufacturer's recommendations used in determining the operating parameter value under 40 CFR Section 63.11092(b) or 63.11092(e). (ii) The following information when using a flare under provisions of 63.11(b) to comply with: (A) Flare design (i.e., steam-assisted, air-assisted, or non-assisted); and (B) All visible emissions (VE) readings, heat content determinations, flow rate measurements, and exit velocity determinations made during the compliance determination required under 40 CFR Section 63.11092(e)(3).	40 CFR Section 63.11094(f), continued
(3) Keep an up-to-date, readily accessible copy of the monitoring and inspection plan required under 40 CFR Section 63.11092(b)(1)(i)(B)(2) or (iii)(B)(2). (4) Keep an up-to-date, readily accessible record of all system malfunctions, as specified in 40 CFR Section 63.11092(b)(1)(i)(B)(2)(v) or (iii)(B)(2)(v). (5) If a Permittee requests approval to use a vapor processing system or monitor an operating parameter other than those specified in 40 CFR Section 63.11092(b), the Permittee shall submit a description of planned reporting and recordkeeping procedures.	40 CFR Section 63.11094(f), continued
The Permittee shall keep the following records: 1) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. 2) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR Section 63.11085(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.	40 CFR Section 63.11094(g)
The Permittee shall under this subpart must submit a Notification of Performance Test, as specified in 40 CFR Section 63.9(e), prior to initiating testing required by 40 CFR Sections 63.11092(a) or 63.11092(b) and other additional notifications specified in 40 CFR Section 63.9, as applicable.	40 CFR Section 63.11093 (c) and (d)
As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in paragraph (b) of this section, The Permitte may comply with the requirements in either paragraph (c)(1) or paragraph (c)(2) of this section. This includes: (1) An electronic copy of each record is instantly available at the terminal. (i) The copy of each record in paragraph (c)(1) of this section is an exact duplicate image of the original paper record with certifying signatures. (ii) The Administrator is notified in writing that each terminal using this alternative is in compliance with paragraph (c)(1) of this section.	40 CFR Section 63.11094 (3)(c)
For facilities that use a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading (e.g., via a card lock-out system), a copy of the documentation is made available (e.g., via facsimile) for inspection by the Administrator's delegated representatives during the course of a site visit, or within a mutually agreeable time frame. (i) The copy of each record in paragraph (c)(2) of this section is an exact duplicate image of the original paper record with certifying signatures. (ii) The Administrator is notified in writing that each terminal using this alternative is in compliance with paragraph (c)(2) of this section.	40 CFR Section 63.11094 (3)(c)(2)
REPORTING	hdr
The Permittee shall also include the following in the Semiannual Deviations Report (lsited in Table B of this permit), as applicable: 1) For storage vessels complying with option 2(b) in Table 1 of 40 CFR pt. 63, subp. BBBBBB, the information specified in 40 CFR Section 60.115b(a), 60.115b(b), or 60.115b(c), depending upon the control equipment installed; 2) For loading racks, each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility; and 3) For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection.	40 CFR Section 63.11095(a)

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The Permittee shall submit a semiannual excess emissions (EER) report to the Administrator, as defined in 40 CFR Section 63 subpart BBBBBB, with the Semiannual Deviations Report listed in this permit. Excess emissions events, and the information to be included in the excess emissions report, are as follows: (1) Each instance of a non-vapor-tight gasoline cargo tank loading at the facility in which the Permittee failed to take steps to assure that such cargo tank would not be reloaded at the facility before vapor tightness documentation for that cargo tank was obtained. (2) Each reloading of a non-vapor-tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained by the facility in accordance with 40 CFR Section 63.11094(b).	40 CFR Section 63.11095(b)
continued: (3) Each exceedance or failure to maintain, as appropriate, the monitored operating parameter value determined under 40 CFR Section 63.11092(b). The report shall include the monitoring data for the days on which exceedances or failures to maintain have occurred, and a description and timing of the steps taken to repair or perform maintenance on the vapor collection and processing systems or the CMS. (4) Each instance in which malfunctions discovered during the monitoring and inspections required under 40 CFR Section 63.11092(b)(1)(i)(B)(2) and (iii)(B)(2) were not resolved according to the necessary corrective actions described in the monitoring and inspection plan. The report shall include a description of the malfunction and the timing of the steps taken to correct the malfunction.	40 CFR Section 63.11095(b), continued
continued: (5) For each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection: (i) The date on which the leak was detected; (ii) The date of each attempt to repair the leak; (iii) The reasons for the delay of repair; and (iv) The date of successful repair.	40 CFR Section 63.11095(b), continued
The Permittee shall submit a semiannual report including the number, duration, and a brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the Permittee during a malfunction to minimize emissions in accordance with 40 CFR Section 63.11085(a), including actions taken to correct a malfunction. The report may be submitted as a part of the semiannual compliance report.	40 CFR Section 63.11095(d)

Facility Name: Newport Terminal Corp

Permit Number: 16300010 - 004

Subject Item: **EU 001 Loading Rack 1 - gasoline**

Associated Items: CE 001 Flaring

CE 002 Vapor Recovery System-Condensers, Hoods, & Other Enclosures

GP 002 40 CFR pt. 63, subp. BBBBBB Requirements, Enforcement Not Delegated to MPCA.

MR 001 Temperature reading

MR 002 VRU CEMS, NDIR Gas Analyzer

SV 001 Loading Rack 1 - gasoline

SV 003 VRU

What to do	Why to do it
Recordkeeping - Gasoline Loading: By the 15th day of each month the Permittee shall calculate and record the gallons of gasoline loaded during the previous calendar month. Gasoline includes gasoline/ethanol blends and E-85.	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2; Minn. R. 7007.0800, subps. 4 and 5
Loading Emissions Calculations: By the 15 day of each month the Permittee shall calculate and record the VOC loading emissions from the previous month using the following equation: LR1 = ([0.987 *gal_CE002 * a] + [0.987 *gal_CE001 * b] + [0.013 * (gal_CE001 + gal_CE002)*c] + [d * c])/1000 where: LR1 = Loading Rack 1 monthly emissions, lbs/month gal_CE002 = gallons of gasline loaded the previous month, CE 002 in service gal_CE001 = gallons of gasoline loaded the previous month, CE 001 in service a = VRU controlled emission factor in lb/mgal (currently 0.083 lb/mgal [based on 10 mg/liter manufacturer guarantee], or as revised based on performance testing) b = flare controlled emission factor in lb/mgal (currently 0.14 lb/mgal [based on 35 mg/liter], or as revised based on performance testing) c = uncontrolled emission factor (8.15 lb/mgal) d = gallons of gasoline loaded, CE 001 and CE 002 out of service	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2; Minn. R. 7007.0800, subps. 4 and 5
During operation of loading rack 1, emissions shall be vented to and controlled by either the VRU (CE 002) or the flare (CE 001).	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2; Minn. R. 7007.0800, subps. 4 and 5
STANDARDS FOR VOC EMISSIONS	hdr
Volatile Organic Compounds: less than or equal to 35 milligrams/liter of product loaded.	40 CFR Section 60.502(b); Minn. R. 7011.1550
EU 001 shall be equipped with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading. The vapor collection system shall be designed to prevent any total organic compounds vapors collected at EU 001 from passing to another loading rack.	40 CFR Section 60.502(a) & (d); Minn. R. 7011.1550
(e) Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the following procedures: (1) The Permittee shall obtain the vapor tightness documentation described in Section 60.505(b) for each gasoline tank truck which is to be loaded at the affected facility. (2) The Permittee shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the affected facility. continued	40 CFR Section 60.502(e); Minn. R. 7011.1550

(3)(i) The Permittee shall cross-check each tank identification number obtained in Section 60.502(e)(2) with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded, unless either of the following conditions is maintained: (A) If less than an average of one gasoline tank truck per month over the last 26 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed each quarter; or (B) If less than an average of one gasoline tank truck per month over the last 52 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed semiannually. (ii) If either the quarterly or semiannual cross-check reveals that these conditions were not maintained, the source must return to biweekly monitoring until such time as these conditions are again met. continued	40 CFR Section 60.502(e) (continued); Minn. R. 7011.1550
(4) The Permittee shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the affected facility within 1 week of the documentation cross-check in Section 60.502(e)(3). (5) The Permittee shall take steps assuring that the nonvapor-tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank is obtained. (6) Alternate procedures to those described in Section 60.502(e)(1) through (5) for limiting gasoline tank truck loadings may be used upon application to, and approval by, the Administrator.	40 CFR Section 60.502(e) (continued); Minn. R. 7011.1550
(f) The Permittee shall act to assure that loadings of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the EU 001 vapor collection system. (g) The Permittee shall act to assure that the EU 001 and the tank truck vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.	40 CFR Section 60.502(f) & (g); Minn. R. 7011.1550
(h) 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 when measured by the procedures specified in Section 60.503(d). (i) The EU 001 vapor collection system pressure-vacuum vent shall not open at a system pressure less than 4,500 pascals (450 mm of water). (j) Each calendar month, the vapor collection system, the vapor processing system, and EU 001 shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. For purposes of this paragraph, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected.	40 CFR Section 60.502(h) - (j); Minn. R. 7011.1550
TEST METHODS AND PROCEDURES	hdr
Performance Test: due before 04/23/2014 after CE 002 is installed. Testing shall be conducted according to the requirements specified in 40 CFR Section 60.503. This satisfies the test requirements found at 40 CFR Section 63.11092 (a)(1).	40 CFR Section 60.8(a); Minn. R. 7017.2020, subp. 1
(a) In conducting the performance tests required in Section 60.8, the Permittee shall use as reference methods and procedures the test methods in appendix A of part 60 part or other methods and procedures as specified in Section 60.8, except as provided in Section 60.8(b). The three-run requirement of Section 60.8(f) does not apply to this subpart. (b) Immediately before the performance test required to determine compliance with Section 60.502(b) and (h), the Permittee shall use Method 21 to monitor for leakage of vapor all potential sources in the EU 001 vapor collection system equipment while a gasoline tank truck is being loaded. The Permittee shall repair all leaks with readings of 10,000 ppm (as methane) or greater before conducting the performance test.	40 CFR Section 60.503(a) & (b); Minn. R. 7011.1550

(c) The Permittee shall determine compliance with the standards in Section 60.502(b) as follows: (1) The performance test shall be 6 hours long during which at least 300,000 liters of gasoline is loaded. If this is not possible, the test may be continued the same day until 300,000 liters of gasoline is loaded or the test may be resumed the next day with another complete 6-hour period. In the latter case, the 300,000-liter criterion need not be met. However, as much as possible, testing should be conducted during the 6-hour period in which the highest throughput normally occurs. continued	40 CFR Section 60.503(c); Minn. R. 7011.1550
(2) If the EU 001 vapor processing system is intermittent in operation, the performance test shall begin at a reference vapor holder level and shall end at the same reference point. The test shall include at least two startups and shutdowns of the vapor processor. If this does not occur under automatically controlled operations, the system shall be manually controlled. (3) The emission rate (E) of total organic compounds shall be computed using the equation in Appendix I of this permit. continued	40 CFR Section 60.503(c) (continued); Minn. R. 7011.1550
(4) The performance test shall be conducted in intervals of 5 minutes. For each interval "i", readings from each measurement shall be recorded, and the volume exhausted (Vesi) and the corresponding average total organic compounds concentration (Cei) shall be determined. The sampling system response time shall be considered in determining the average total organic compounds concentration corresponding to the volume exhausted. (5)(i) Method 2B shall be used to determine the volume (Vesi) air-vapor mixture exhausted at each interval.	40 CFR Section 60.503(c) (continued); Minn. R. 7011.1550
(6) Method 25A or 25B shall be used for determining the total organic compounds concentration (Cei) at each interval. The calibration gas shall be either propane or butane. The Permittee may exclude the methane and ethane content in the exhaust vent by any method (e.g., Method 18) approved by the Administrator. (7) To determine the volume (L) of gasoline dispensed during the EU 001 performance test, facility records or readings from EU 001 gasoline dispensing meters shall be used.	40 CFR Section 60.503(c) (continued); Minn. R. 7011.1550
(d) The Permittee shall determine compliance with the standard in Section 60.502(h) as follows: (1) A pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with ±2.5 mm of water precision, shall be calibrated and installed on the EU 001 vapor collection system at a pressure tap located as close as possible to the connection with the gasoline tank truck. (2) During the performance test, the pressure shall be recorded every 5 minutes while a gasoline truck is being loaded; the highest instantaneous pressure that occurs during each loading shall also be recorded. Every loading position must be tested at least once during the performance test.	40 CFR Section 60.503(d); Minn. R. 7011.1550
(f) The Permittee shall use alternative test methods and procedures in accordance with the alternative test method provisions in Section 60.8(b) for flares that do not meet the requirements in Section 60.18(b).	40 CFR Section 60.503(f); Minn. R. 7011.1550
RECORDKEEPING AND REPORTING	hdr
Records Retention Period: Minn. R. 7007.0800, subp. 5(C) requires record retention for a period of five years. Although 40 CFR part 60 subp. XX requires record retention for only a 2 or 3 year period, the Permittee shall meet the 5-year retention requirement of Minn. R. 7007.0800, subp. 5(C) for all records required by 40 CFR part 60 subp. XX.	Minn. R. 7007.0800, subps. 2 & 5(C)

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(a) The tank truck vapor tightness documentation required under Section 60.502(e)(1) shall be kept on file at the terminal in a permanent form available for inspection. (b) 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. This documentation shall include, as a minimum, the following information: (1) Test title: Gasoline Delivery Tank Pressure Test-EPA Reference Method 27. (2) Tank owner and address. (3) Tank identification number. (4) Testing location. (5) Date of test. (6) Tester name and signature. (7) Witnessing inspector, if any: Name, signature, and affiliation. (8) Test results: Actual pressure change in 5 minutes, mm of water (average for 2 runs).	40 CFR Section 60.505(a) & (b); Minn. R. 7011.1550
(c) A record of each monthly leak inspection required under Section 60.502(j) shall be kept on file at the terminal for at least 2 years. Inspection records shall include, as a minimum, the following information: (1) Date of inspection. (2) Findings (may indicate no leaks discovered; or location, nature, and severity of each leak). (3) Leak determination method. (4) Corrective action (date each leak repaired; reasons for any repair interval in excess of 15 days). (5) Inspector name and signature. (d) The Permittee shall keep documentation of all notifications required under Section 60.502(e)(4) on file at the facility for at least 2 years.	40 CFR Section 60.505(c) & (d); Minn. R. 7011.1550
(e) As an alternative to keeping records at the facility of each gasoline cargo tank test result as required in 40 CFR Section 60.505(a), (c), and (d), the Permittee may comply with the requirements in either 40 CFR Section 60.505(e)(1) or 40 CFR Section 60.505(e)(2). (1) An electronic copy of each record is instantly available at the facility. (i) The copy of each record in Section 60.505(e)(1) is an exact duplicate image of the original paper record with certifying signatures. (ii) The permitting authority is notified in writing that the facility is in compliance with Section 60.505(e)(1). continued	40 CFR Section 60.505(e)(1); Minn. R. 7011.1550
(2) For facilities that utilize a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading (e.g., via a card lock-out system), a copy of the documentation is made available (e.g., via facsimile) for inspection by permitting authority representatives during the course of a site visit, or within a mutually agreeable time frame. (i) The copy of each record in Section 60.505(e)(2) is an exact duplicate image of the original paper record with certifying signatures. (ii) The permitting authority is notified in writing that the facility is in compliance with Section 60.505(e)(2).	40 CFR Section 60.505(e)(2); Minn. R. 7011.1550
(f) The Permittee shall keep records of all replacements or additions of components performed on an existing vapor processing system for at least 3 years.	40 CFR Section 60.505(f); Minn. R. 7011.1550

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Subject Item: **EU 002 Loading Rack 2 - diesel fuel and loading**

Associated Items: SV 002 Loading Rack 2 - diesel fuel and ethanol loading

What to do	Why to do it
Recordkeeping - Fuel Oil Loading: By the 15th day of each month for the previous month the Permittee shall calculate and record the gallons of No. 1 Fuel Oil and No. 2 Fuel Oil. Separate records of each fuel oil grade shall be kept.	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2; Minn. R. 7007.0800, subps. 4 and 5
Loading Rack 2 Emissions Calculations: By the 15th day of each month the Permittee shall calculate and record the loading rack 2 VOC emissions for the previous month using the following equation: LR2 = [A1 * 0.0176 lb/mgal] + [D2 * 0.0134 lb/mgal])/1000 where: LR2 = loading rack 2 monthly emissions, lb/month A1 = gallons of No. 1 Fuel Oil loaded during the previous month D2 = gallons of No. 2 Fuel Oil loaded during the previous month	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2; Minn. R. 7007.0800, subps. 4 and 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Newport Terminal Corp

Permit Number: 16300010 - 004

Subject Item: **CE 001 Flaring**

Associated Items: EU 001 Loading Rack 1 - gasoline

GP 002 40 CFR pt. 63, subp. BBBBBB Requirements, Enforcement Not Delegated to MPCA.

MR 001 Temperature reading

What to do	Why to do it
When loading rack emission are vented to the flare, the presence of a flare pilot flame shall be monitored using an ultraviolet sensor or any other equivalent device to detect the presence of a flame. Sensor readings shall be either electronically recorded, manually recorded at 15 minute intervals, or printed on a continuous hard copy readout.	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2; Minn. R. 7007.0800, subps. 4 and 5

Facility Name: Newport Terminal Corp

Permit Number: 16300010 - 004

Subject Item: **CE 002 Vapor Recovery System-Condensers, Hoods, & Other Enclosures**

Associated Items: EU 001 Loading Rack 1 - gasoline

GP 002 40 CFR pt. 63, subp. BBBBBB Requirements, Enforcement Not Delegated to MPCA.

MR 002 VRU CEMS, NDIR Gas Analyzer

What to do	Why to do it
CEMS Installation: Install VRU CEMS (MR 002: VRU CEMS, NDIR Gas Analyzer).	Title I Condition: To avoid classification as major source under 40 CFR Section 52.21 and Minn. R. 7007.3000; To avoid classification as a major source under 40 CFR Section 70.2 and Minn. R. 7007.0200; To avoid major source classification under 40 CFR Section 63.2; Minn. R. 7007.0800, subps. 4 and 5
When loading rack emissions are vented to the VRU, VOCs shall be monitored using continuous emissions monitoring system (CEMS). Emissions shall be either electronically recorded, manually recorded at 15 minute intervals, or printed on a continuous hard copy readout.	Minn. R. 7007.0800, subps. 4 & 5
Install, calibrate, certify, operate, and maintain, according to the manufacturer's specificaitons, a continuous emissions monitoring system (CEMS) capable of measuring organic compound concentration in the exhaust air stream.	Minn. R. 7007.0800, subps. 4 & 5
CEMS Monitor Design: Each CEMS shall be designed to complete a minimum of one cycle of sampling, analyzing, and data recording in each 15-minute period.	40 CFR Section 63.8(c)(4)(ii); Minn. R. 7017.1040, subp. 1
Installation Notification: due 60 days before installing the continuous emissions monitoring system. The notification shall include plans and drawings of the system.	Minn. R. 7017.1040, subp. 1
CEM Certification Test: due 120 days after Initial Startup. (This requirement is as stringent as that of Minn. R. 7017.1050, subp. 1 requiring testing within 90 days after the due date of the first excess emissions report required for the CEMS or COMS.)	Minn. R. 7017.1040, subp. 1
CEMS Certification Test Plan: due 60 days before CEMS Certification Test.	40 CFR Section 63.8(e)(2); Minn. R. 7017.1060, subps. 1 & 2
CEMS Certification Test Pretest Meeting: due 7 days before CEMS Certification Test.	Minn. R. 7017.1060, subp. 3
CEMS Certification Test Report: due 45 days after CEMS Certification Test	40 CFR Section 63.8(e)(5); Minn. R. 7017.1080, subps. 1, 2, & 4
CEMS Certification Test Report - Microfiche or CD Copy: due 105 days after CEMS Certification Test.	Minn. R. 7017.1080, subp. 3
Continuous Operation: CEMS must be operated and data recorded during all periods of emission unit operation including periods of emission unit start-up, shutdown, or malfunction except for periods of acceptable monitor downtime. This requirement applies whether or not a numerical emission limit applies during these periods. A CEMS must not be bypassed except in emergencies where failure to bypass would endanger human health, safety, or plant equipment.	40 CFR Section 63.8(b)(4); Minn. R. 7017.1090, subp. 1
QA Plan: Develop and implement a written quality assurance plan that covers each CEMS. The plan shall be on site and available for inspection within 30 days after monitor certification. The plan shall contain all of the information required by 40 CFR pt. 60, Appendix F, Section 3.	Minn. R. 7017.1170, subp. 2; 40 CFR pt. 60, App. F; section 3
Cylinder Gas Audit: due 30 days after end of each calendar half-year following CEM Certification Test, except that a CGA is not required during any calendar half year in which a RATA was performed. The initial CGA must be performed within 180 days following certification of the CEMS. The CGAs shall be conducted at least three months apart but no more than eight months apart. A CGA shall be conducted according to the procedures in 40 CFR pt. 60, Appendix F, section 5.1.2. If the monitored emission unit was operated for less than 24 hours during the calendar half year, a CGA is not required for that calendar half year.	40 CFR pt. 60, Appendix F, section 5.1.2; Minn. R. 7017.1170, subp. 4
CEMS Relative Accuracy Test Audit (RATA): due before end of each calendar year following Permit Issuance. A RATA is not required in any calendar year if a RATA conducted in the previous year demonstrated a relative accuracy value of less than 15 percent or if the associated emissions unit operated less than 48 hours during the calendar year. If the exception is used, the next RATA shall be conducted during the first half of the following calendar year. RATAs shall be conducted at least 3 months apart according to 40 CFR pt. 60, Appendix F, section 5.1.1.	Minn. R. 7017.1170, subp. 5
Cylinder Gas Audit (CGA) Results Summary: due 30 days after end of each calendar quarter following Cylinder Gas Audit (CGA).	Minn. R. 7017.1180, subp.1

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Newport Terminal Corp

Permit Number: 16300010 - 004

Relative Accuracy Test Audit (RATA) Notification: due 30 days before CEMS Relative Accuracy Test Audit (RATA)) .	Minn. R. 7017.1180, subp. 2
Recordkeeping: The owner or operator must retain records of all CEMS monitoring data and support information for a period of five years from the date of the monitoring sample, measurement or report. Records shall be kept at the source.	40 CFR Section 63.10(b)(1); Minn. R. 7017.1130
Monitoring Data: Reduce all VRU CEMS, NDIR Gas Analyzer data to 1-hour averages, in accordance with 40 CFR Section 63.8(g)(2) and Minn. R. 7011.1160. 1-hour averages shall be computed from four or more data points equally spaced over each 1-hour period.	40 CFR Section 63.8(g)(2) regarding continuous monitoring systems other than COMS; Minn. R. 7011.1160

Facility Name: Newport Terminal Corp

Permit Number: 16300010 - 004

Subject Item: FS 001 Valves, Flanges, & Seals

What to do	Why to do it
The Permittee shall keep an updated record of the FS 001 inventory. The inventory shall state the number of valves, flanges, and pump seals. As of May 2008 there were 152 valves, 686 flanges, and 17 pump seals.	Title I Condition: to avoid classification as major source under 40 CFR Section 52.21 and 40 CFR Section 63.2; Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 2 to avoid major source classification under section 70.2; Minn. R. 7007.0800, subp. 4 & 5
Fugitive Emissions Calculations: By the 15th day of each month, calculate and record fugitive VOC emissions from the previous month as follows: FE = T*U + V*W + X*Y where: FE = fugitive emissions, lb/month T = total valve count U = valve emission factor, 6.92*10^-2 lb/month/valve V = total flange count W = flange emission factor, 1.29*10^-2 lb/month/flange X = total pump seal count Y = pump seal emission factor, 8.68*10^-1 lb/month/seal	Title I Condition: to avoid classification as major source under 40 CFR Section 52.21 and 40 CFR Section 63.2; Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 2 to avoid major source classification under section 70.2; Minn. R. 7007.0800, subp. 4 & 5

TABLE A: LIMITS AND OTHER REQUIREMENTS

Facility Name: Newport Terminal Corp

Permit Number: 16300010 - 004

Subject Item: FS 002 Tanker Purging

What to do	Why to do it
Recordkeeping - Tanker Purging: By the 15th day of each month the Permittee shall calculate and record the following: 1. total number of 8500 gallon cargo tankers purged during the previous calendar month; 2. monthly purging emissions from the previous calendar month as follows: TP = Z*AA*8500 where: TP = tanker purging emissions, lb/month Z = purging emission factor, 0.00815 lb/gallon gasoline AA = total number of 8500 gallon tanker purged during the previous month	Title I Condition: to avoid classification as major source under 40 CFR Section 52.21 and 40 CFR Section 63.2; Minn. R. 7007.3000; Minn. R. 7007.0800, subp. 2 to avoid major source classification under section 70.2; Minn. R. 7007.0800, subp. 4 & 5