TESORO LOGISTICS
Tesoro Logistics Operations LLC
19100 Ridgewood Parkway
San Antonio, TX 78259
210 626 6000 Phone

UPS MAIL

November 20, 2015

Compliance Title V Reporting
San Joaquin Valley Air Pollution Control District
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244

Re: Title V Permit to Operate: Annual Compliance Certification and Report of Required Monitoring
Facility: N-845
Tesoro Logistics Operations LLC: Stockton, CA Terminal

To Whom It May Concern:

Tesoro Logistics Operations LLC (Tesoro) is required to submit the "Annual Compliance Certification" (ACC) and "Report of Required Monitoring" (RRM) for the Stockton, California Terminal (Stockton Terminal), per the Title V Permit to Operate (PTO) N-845, issued October 31, 2012.[1] The ACC and RRM are due to the San Joaquin Valley Air Pollution Control District (SJVAPCD) 30 days after the end of the reporting period.[2] The reporting period for the enclosed ACC and RRM is from November 1, 2014 (one day after the initial Title V issuance date) through October 31, 2015, and May 1, 2015 through October 31, 2015, respectively. As such, Tesoro is required to submit the ACC and RRM to SJVAPCD by November 30, 2015.

SJVAPCD issued the initial Title V Permit for the Stockton Terminal on October 31, 2012. A revision to the initial Title V permit was issued on August 27, 2013. The enclosed ACC and RRM review compliance with the terms and conditions in the revised Title V permit for the reporting period. No PTO conditions have been updated during this reporting period.

Tesoro is required to audit its Continuous Emissions Monitoring System (CEMS) at least once every six months by conducting cylinder gas audits (CGA) using the procedures in 40 CFR Part 60, Appendix F, 5.1.2.[3] Tesoro conducted CGA audits on May 19, 2015 and August 18, 2015. The audit reports are required to be submitted along with the semi-annual compliance reports to the District, California Air Resources Board (CARB), and Environmental Protection Agency (EPA). As such, Tesoro is submitting the CGA audit report to SJVAPCD with the RRM report due on November 30, 2015.

The required RRM, ACC, CGA report, and responsible official certification form are enclosed herein.

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[1] PTO N-845-0-1, Conditions 36 and 10, respectively.
[2] PTO N-845-0-1, Condition 42
[3] PTO N-845-22-4, Condition 24

If you have any questions regarding this submittal or require any additional information, please contact Mr. Steve Comley at stephen.d.comley@tsocorp.com or (562) 728-2265.

Sincerely,

John Walker
Manager, Terminals, NW
Tesoro Logistics Operations LLC

cc: S. Comley: Tesoro Logistics Operations LLC (Stockton, CA)
M. Hillman: Trinity Consultants, Inc. (Oakland, CA)

Enclosures:
Certification of Truth and Accuracy Form
Annual Compliance Certification Report (ACC)
Report of Required Monitoring (RRM)
Cylinder Gas Audit Report (CGA)

Certification of Truth and Accuracy Form

San Joaquin Valley
Unified Air Pollution Control District

Certification of Truth and Accuracy

Company Name: Tesoro Logistics Operations LLC	Facility ID: N -845

I declare, under penalty of perjury under the laws of the state of California that based on information and belief formed after reasonable inquiry, the statements and information provided in the document are true, accurate, and complete:

Signature of Responsible Official

Nov 20, 2015
Date

Chris Maudlin
Name of Responsible Official (please print)

VP West Coast Logistics Operations
Title of Responsible Official (please print)

Annual Compliance Certification Report

San Joaquin Valley
Unified Air Pollution Control District

Title V - COMPLIANCE CERTIFICATION FORM

In numerical order, list all permitted units that are subject to one or more applicable requirements. List all requirements for a permit, each in a separate box, before moving on to the next permit number. Refer to the attached instructions for more information.

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Reporting Period: 11/1/2014 through 10/31/2015

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COLUMN 1 Permit Unit Number	COLUMN 2 Permit Condition No. Specify each Permit Condition Number Sequentially	COLUMN 3 Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE"	COLUMN 4 Method for determining Compliance Status.	COLUMN 5 Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64.
Facility: N-845-0-1	1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary.	N/A		No breakdown conditions occurred during this reporting period.
Facility: N-845-0-1	2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations.	N/A		No breakdown conditions occurred during this reporting period.
Facility: N-845-0-1	3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source.	Continuous	Work Practice/Reporting	
Facility: N-845-0-1	4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07).	Intermittent	Work Practice/ATC Submittal, as appropriate	Tesoro was required to submit an ATC application for Tank 11 prior to exceeding the permit condition N-845-23-1, Condition 2 and 3. Tesoro received the final ATC on 7/17/15.
Facility: N-845-0-1	5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application.	Intermittent	Work Practice	As detailed in this report, there are a small number of permit conditions where compliance is listed as "intermittent." Tesoro will continue to operate the Terminal with the primary goal of 100% compliance with permit conditions. Tesoro will evaluate all instances of "intermittent" compliance in order to determine methods of improvement to attain 100% compliance.
Facility: N-845-0-1	6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District.	Continuous	Work Practice/Reporting	
Facility: N-845-0-1	7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District.	Continuous	Work Practice/Reporting	

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Facility: N-845-0-1	8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement.	Continuous	Work Practice/Recordkeeping	
Facility: N-845-0-1	9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings.	Continuous	Recordkeeping	
Facility: N-845-0-1	10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports.	Continuous	Work Practice/Reporting	
Facility: N-845-0-1	11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01).	Continuous	Work Practice	Deviation report(s) were submitted within 10 days of discovery. Jordan Cain, Air Quality Inspector, SJVAPCD, noted that the seal gaps found in April 2015 for Tank 1700 were a violation on 9/11/2015. 9/11/15 is considered the date of discovery, a deviation report was submitted on 9/17/15.
Facility: N-845-0-1	12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit.	N/A		No permit requirements or conditions were challenged by a court during this reporting period.
Facility: N-845-0-1	13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.	N/A		Tesoro has not been part of an enforcement action impacting the facility during this reporting period.
Facility: N-845-0-1	14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.	N/A		This permit condition clarifies permitting options available to SJVAPCD. Tesoro will continue to comply with all appropriate permit conditions during any request for permit modification.
Facility: N-845-0-1	15. The permit does not convey any property rights of any sort, or any exclusive privilege.	N/A		Tesoro understands that this permit does not convey property rights or exclusive privilege.
Facility: N-845-0-1	16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality.	Continuous	Work Practice/ Recordkeeping/ Reporting	

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Facility: N-845-0-1	17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations.	Continuous	Work Practice	
Facility: N-845-0-1	18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permit tee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit.	Continuous	Work Practice	
Facility: N-845-0-1	19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.	Continuous	Work Practice	
Facility: N-845-0-1	20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit.	Continuous	Work Practice	
Facility: N-845-0-1	21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.	Continuous	Work Practice	
Facility: N-845-0-1	22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02117/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition.	Continuous	Inherent to Process/Equipment Design	
Facility: N-845-0-1	23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/l/11 of District Rule 4601 (12/17/09) for use or sale within the District.	Continuous	Work Practice	
Facility: N-845-0-1	24. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use.	Continuous	Work Practice	
Facility: N-845-0-1	25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/1 7/09).	Continuous	Work Practice	
Facility: N-845-0-1	26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official.	Continuous	Work Practice	
Facility: N-845-0-1	27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F.	Continuous	Work Practice	
Facility: N-845-0-1	28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B.	N/A	Work Practice	TLO does not maintain vehicle A/C units.

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Facility: N-845-0-1	29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004).	Continuous	Work Practice	
Facility: N-845-0-1	30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004).	Continuous	Work Practice	
Facility: N-845-0-1	31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004).	Continuous	Work Practice	
Facility: N-845-0-1	32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004).	Continuous	Work Practice	
Facility: N-845-0-1	33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8119/2004).	Continuous	Work Practice	
Facility: N-845-0-1	34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1 .1 of District Rule 8071 . Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8119/2004).	Continuous	Work Practice	
Facility: N-845-0-1	35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation).	Continuous	Work Practice	
Facility: N-845-0-1	36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source.	Continuous	Work Practice/Reporting	

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Facility: N-845-0-1	37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date.	N/A		A Title V Renewal application was not due to SJVAPCD during this reporting period.
Facility: N-845-0-1	38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply.	Continuous	Work Practice	
Facility: N-845-0-1	39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements.	Continuous	Work Practice	
Facility: N-845-0-1	40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12117/92); 2040 (12117/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12117/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/1912004); and 8071 (9/16/2004). A permit shield is granted from these requirements.	Continuous	Work Practice	
Facility: N-845-0-1	42. On October 31, 2012, the initial Title V permit was issued. The reporting periods for reports including the required monitoring and certification of compliance are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period.	Continuous	Work Practice/Reporting	
Tank 20 (IFR) N-845-1-3	1. True vapor pressure of the organic liquid stored shall be less than 11 psia.	Continuous	Work Practice	
Tank 20 (IFR) N-845-1-3	2. The internal floating roof shall float on the surface of the stored liquid at all times (i.e., off the roof leg supports) except during the initial fill until the roof is lifted off the leg supports and when the tank is completely emptied and subsequently refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Whenever the permittee intends to land the roof on it's legs, the permittee shall notify the APCO in writing at least five calendar days prior to performing the work. The tank must be in compliance with this rule before it may land on its legs.	Continuous	Work Practice	Roof landing event occurred in April 2015.
Tank 20 (IFR) N-845-1-3	3. Gaps between the tank shell and the primary seal shall not exceed 1 1/2 inches.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	4. The cumulative length of all gaps between the tank shell and the primary seal greater than 1/2 inch shall not exceed 10% of the circumference of the tank.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	5. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank.	Continuous	Equipment Design/Inspections	

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Tank 20 (IFR) N-845-1-3	6. No continuous gap in the primary seal greater than 1/8 inch wide shall exceed 10% of the tank circumference.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	7. No gap between the tank shell and the secondary seal shall exceed 1/2 inch.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	8. The cumulative length of all gaps between the tank shell and the secondary seal, greater than 1/8 inch shall not exceed 5% of the tank circumference.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	9. The metallic shoe-type seal shall be installed so that one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of 18 inches above the stored liquid surface.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	10. The geometry of the metallic-shoe type seal shall be such that the maximum gap between the shoe and the tank shell shall be no greater than 3 inches for a length of at least 18 inches in the vertical plane above the Liquid.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	11. There shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	12. The secondary seal shall allow easy insertion of probes of up to 1 1/2 inches in width in order to measure gaps in the primary seal.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	13. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	14. All openings in the roof used for sampling and gauging, except pressure-vacuum valves which shall be set to within 10% of the maximum allowable working pressure of the roof, shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tank and shall be equipped with a cover, seal or lid that shall be in a closed position at all times, with no visible gaps and be gas tight, except when the device or appurtenance is in use.	Continuous	Work Practice/Equipment Design	
Tank 20 (IFR) N-845-1-3	15. A leak-free condition is defined as a condition without a gas leak or a liquid leak. A gas leak is defined as a reading in excess of 10,000 parts per million by volume (ppmv), as methane, above background on a portable hydrocarbon detection instrument that is calibrated with methane in accordance with the procedures specified in EPA Method 21. A liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. A reading in excess to 10,000 ppmv, as methane, above background, or dripping of organic liquid at a rate of more than 3 drops per minute, is a violation of this permit and Rule 4623 and shall be reported as a deviation.	Continuous	Inspections	
Tank 20 (IFR) N-845-1-3	16. Each opening in a non-contact internal floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall provide a projection below the liquid surface.	Continuous	Equipment Design/Inspections	

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Tank 20 (IFR) N-845-1-3	17. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover 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. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	18. Automatic bleeder vents shall be equipped with a gasket and shall be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	19. Rim vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	20. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The well shall have a slit fabric cover that covers at least 90% of the opening. The fabric cover must be impermeable.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	21. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. The fabric sleeve must be impermeable.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	22. Each penetration of the internal floating roof that allows for the passage of a ladder shall have a gasketed sliding cover.	Continuous	Equipment Design/Inspections	
Tank 20 (IFR) N-845-1-3	23. Operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually inspect the external shells and roofs of uninsulated tanks for structural integrity annually.	Continuous	Inspections	
Tank 20 (IFR) N-845-1-3	24. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection.	N/A		No leaks were determined during this reporting period.
Tank 20 (IFR) N-845-1-3	25. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection.	N/A		No leaks were determined during this reporting period.
Tank 20 (IFR) N-845-1-3	26. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition.	N/A		No leaks were determined during this reporting period.

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Tank 20 (IFR) N-845-1-3	27. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 5 shall constitute a violation of this rule.	N/A		No leaks were determined during this reporting period.
Tank 20 (IFR) N-845-1-3	28. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections.	Continuous	Inspection	No leaks were determined during this reporting period.
Tank 20 (IFR) N-845-1-3	29. Any component found to be leaking on two consecutive annual inspections is in violation of this rule, even if covered under the voluntary inspection and maintenance program.	N/A		No leaks were determined during this reporting period.
Tank 20 (IFR) N-845-1-3	30. The permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport.	Continuous		Tank 20 degassed 4/21/15. Notification submitted on time.
Tank 20 (IFR) N-845-1-3	31. During tank cleaning operations, draining and refilling of this tank shall occur as a continuous process and shall proceed as rapidly as practicable while the roof is not floating on the surface of the stored liquid.	Continuous	Work Practice	Tank 20 sludge removal performed when removed from service.
Tank 20 (IFR) N-845-1-3	32. Gap seal requirements shall not apply while the roof is resting on its legs, and during the processes of draining, degassing, or refilling the tank. A leak-free condition will not be required if the operator is draining or refilling this tank in a continuous, expeditious manner.	Continuous	Work Practice	Roof landing event occurred in April 2015.
Tank 20 (IFR) N-845-1-3	33. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid having a TVP of 0.5 psia or greater is placed, held, or stored in this tank.	Continuous	Work Practice	Tank 20 degassed 4/21/15 and removed from service.
Tank 20 (IFR) N-845-1-3	34. While performing tank cleaning activities, operators may only use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less.	Continuous	Work Practice	No cleaning agents were used during tank cleaning activities.
Tank 20 (IFR) N-845-1-3	35. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March.	Continuous	Work Practice	Steam cleaning was not performed during this reporting period.
Tank 20 (IFR) N-845-1-3	36. During sludge removal, the operator shall control emissions from the sludge receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95%.	Continuous	Work Practice	Tank 20 sludge removal performed when removed from service. Sludge removed via vacuum truck, closed drums, and supersacks.

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Tank 20 (IFR) N-845-1-3	37. The permittee shall only transport removed sludge in closed, liquid leak-free containers.	Continuous	Work Practice	Tank 20 sludge removal performed when removed from service. Sludge removed via vacuum truck, closed drums, and supersacks.
Tank 20 (IFR) N-845-1-3	38. The permittee shall store removed sludge, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request.	Continuous	Work Practice	Tank 20 sludge removal performed when removed from service. Sludge removed via vacuum truck, closed drums, and supersacks.
Tank 20 (IFR) N-845-1-3	39. For newly constructed, repaired, or rebuilt internal floating roof tanks, the permittee shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to filling the tank.	Continuous	Inspections	
Tank 20 (IFR) N-845-1-3	40. If any failure (i.e. visible organic liquid on the internal floating roof, tank walls or anywhere, holes or tears in the seal fabric) is detected during 12 month visual inspection, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If the detected failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the APCO in the inspection report. Such a request must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.	N/A		No failures were determined during this reporting period.
Tank 20 (IFR) N-845-1-3	41. The permittee shall visually inspect, through the manholes, roof hatches, or other openings on the fixed roof, the internal floating roof and its appurtenant parts, fittings, etc., and the primary seal and/or secondary seal at least once every 12 months after the tank is initially filled with an organic liquid. There should be no visible organic liquid on the roof, tank walls, or anywhere. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of vapors. Any defects found are violations of this rule.	Continuous	Inspections	
Tank 20 (IFR) N-845-1-3	42. The permittee shall visually inspect the internal floating roof, the primary seal and/or secondary seal, gaskets, slotted membrane and/or sleeve seals each time the storage tank is emptied and degassed. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to refilling the tank.	Continuous		Tank 20 degassed 4/21/15 and removed from service. Visual inspections completed.
Tank 20 (IFR) N-845-1-3	43. The permittee shall notify the District in writing at least 30 days prior to conduct the visual inspection of the storage vessel, so the District can arrange an observer.	N/A		No installation of control equipment during reporting period.

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Tank 20 (IFR) N-845-1-3	44. The permittee shall conduct actual gap measurements of the primary seal and/or secondary seal at least once every 60 months. Other than the gap criteria specified by this permit, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found shall constitute a violation of this rule.	Continuous	Inspections	Not required during reporting period.
Tank 20 (IFR) N-845-1-3	45. Permittee shall submit the reports of the floating roof tank inspections to the APCO within five calendar days after the completion of the inspection only for those tanks that failed to meet the applicable requirements of Rule 4623, Sections 5.2 through 5.5. The inspection report for tanks that that have been determined to be in compliance with the requirements of Sections 5.2 through 5.5 need not be submitted to the APCO, but the inspection report shall be kept on-site and made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of this rule, including the following: 1) Date the storage vessel was emptied, date of inspection and names and titles of company personnel doing the inspection. 2) Tank identification number and Permit to Operate number. 3) Observed condition of each component of the control equipment (seals, internal floating roof, and fittings). 4) Measurements of the gaps between the tank shell and primary and secondary seals. 5) Leak free status of the tank and floating roof deck fittings. Records of the leak-free status shall include the vapor concentration values measured in parts per million by volume (ppmv). 6) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.4 and 5.5.2.4.3 of Rule 4623. 7) Nature of defects and any corrective actions or repairs performed on the tank in order to comply with rule 4623 and 40 CFR Part 60 Subpart Kb and the date(s) such actions were taken.	Continuous	Work Practice/Recordkeeping	
Tank 20 (IFR) N-845-1-3	46. Each calendar month, the owner or operator shall perform leak inspection of all equipment in gasoline service. Equipment in gasoline service is defined as a piece of equipment used in a system that transfers gasoline or gasoline vapors. For this inspection, detection methods incorporating sight, sound, and smell are acceptable.	Continuous	Inspection	
Tank 20 (IFR) N-845-1-3	47. For monthly leak inspection, a log book shall be used and shall be signed by the owner or operator 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.	Continuous	Recordkeeping	
Tank 20 (IFR) N-845-1-3	48. 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. Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report the reason(s) why the repair was not feasible and the date each repair was completed.	Continuous	Recordkeeping	
Tank 20 (IFR) N-845-1-3	49. The permittee shall submit a semi-annual compliance report that contains all required information stipulated under 40 CFR 63.11095(a) to the Administrator and the District.	Continuous	Work Practice	

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Tank 20 (IFR) N-845-1-3	50. The permittee shall maintain a log book that contains the following information: 1.) dates of leak inspections, 2.) the nature of the leak and the method of detection; 3.) findings, 4.) corrective action (date each leak is repaired), 5.) repair methods applied in each attempt to repair the leak; 6.) the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak; 7 .) the date of successful repair of the leak; and 8.) inspector name and signature.	Continuous	Recordkeeping	
Tank 20 (IFR) N-845-1-3	51. The permittee shall submit an excess emissions report that contains all required information that stipulated under 40 CFR 63 .11095(b)(5) to the Administrator and the District. The excess emissions report shall be submitted along with the semi-annual compliance report.	N/A		No excess emissions were identified during this reporting period.
Tank 20 (IFR) N-845-1-3	52. The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel, and these records shall be kept for the life of the source.	Continuous	Work Practice/Recordkeeping	
Tank 20 (IFR) N-845-1-3	53. The permittee shall maintain records of the volatile organic liquid stored, the period of storage, and TVP of that volatile organic liquid during the respective storage period. TVP shall be determined using the data on the Reid vapor pressure (highest receipt or highest tank sample results) and actual storage temperature.	Continuous	Recordkeeping	
Tank 20 (IFR) N-845-1-3	54. Permittee shall maintain the records of the internal floating roof landing activities that are performed pursuant to Rule 4623, Sections 5.3.1.3 and 5.4.3. The records shall include information on the true vapor pressure (TVP), API gravity, storage temperature, type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank.	Continuous	Recordkeeping	The tank roof was landed in April 2015.
Tank 20 (IFR) N-845-1-3	55. All records shall be maintained on site for a period of at least of five years and shall be made available for District, ARB, and EPA inspection upon request.	Continuous	Work Practice	
Tank 1700 (EFR) N-845-4-2	1. True vapor pressure of the organic liquid stored shall be less than 11 psia.	Continuous	Work Practice	
Tank 1700 (EFR) N-845-4-2	2. The tank shall be equipped with a floating roof consisting of a pan type that was installed before December 20, 2001, pontoon-type or double-deck-type cover which rests upon the surface of the liquid being stored and is equipped with a closure device between the tank shell and roof edge consisting of two seals, one above the other; the one below shall be referred to as the primary seal, and the one above shall be referred as the secondary seal.	Continuous	Work Practice/Equipment design	

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Tank 1700 (EFR) N-845-4-2	3. The external floating roof shall float on the surface of the stored liquid at all times (i.e., off the roof leg supports) except during the initial fill until the roof is lifted off the leg supports and when the tank is completely emptied and subsequently refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Whenever the permittee intends to land the roof on its legs, the permittee shall notify the APCO in writing at least five calendar days prior to performing the work. The tank must be in compliance with this rule before it may land on its legs.	Continuous	Work Practice/Notification	Notification sent to District on 3/4/15. Tank 1700 degassed on 3/23/15.
Tank 1700 (EFR) N-845-4-2	4. Gaps between the tank shell and the primary seal shall not exceed 1 1/2 inches.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	5. The cumulative length of all gaps between the tank shell and the primary seal greater than l/2 inch shall not exceed 10% of the circumference of the tank.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	6. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	7. No continuous gap in the primary seal greater than l/8 inch wide shall exceed 10% of the tank circumference.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	8. No gap between the tank shell and the secondary seal shall exceed 1/2 inch.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	9. The cumulative length of all gaps between the tank shell and the secondary seal, greater than 1/8 inch shall not exceed 5% of the tank circumference.	Intermittent	Equipment Design/Inspections	Tesoro inspected Tank 1700 on 4/11/15 and discovered it was out of compliance with Condition 9. The seal was repaired the same day. Tesoro was informed by SJVAPCD on 9/11/15 that this is considered a deviation and submitted a deviation report on September 17, 2015.
Tank 1700 (EFR) N-845-4-2	10. The metallic shoe-type seal shall be installed so that one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of 24 inches above the stored liquid surface.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	11. The geometry of the metallic-shoe type seal shall be such that the maximum gap between the shoe and the tank shell shall be no greater than 3 inches for a length of at least 18 inches in the vertical plane above the liquid.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	12. There shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	13. The secondary seal shall allow easy insertion of probes of up to 1 1/2 inches in width in order to measure gaps in the primary seal.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	14. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal.	Continuous	Equipment Design/Inspections	

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Tank 1700 (EFR) N-845-4-2	15. All openings in the roof used for sampling and gauging, except pressure-vacuum valves which shall be set to within 10% of the maximum allowable working pressure of the roof, shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tank and shall be equipped with a cover, seal or lid that shall be in a closed position at all times, with no visible gaps and be gas tight, except when the device or appurtenance is in use.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	16. A leak-free condition is defined as a condition without a gas leak or a liquid leak. A gas leak is defined as a reading in excess of 10,000 parts per million by volume (ppmv), as methane, above background on a portable hydrocarbon detection instrument that is calibrated with methane in accordance with the procedures specified in EPA Method 21. A liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. A reading in excess to 10,000 ppmv, as methane, above background, or dripping of organic liquid at a rate of more than 3 drops per minute, is a violation of this permit and Rule 4623 and shall be reported as a deviation.	Continuous	Inspections	
Tank 1700 (EFR) N-845-4-2	17. Each opening in the roof, except for automatic bleeder vents, rim vents, and pressure relief vents, in a non-contact external floating roof shall provide a projection below the liquid surface.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	18. Except for automatic bleeder vents and rim vents, roof drains, and leg sleeves, each opening in the roof shall be equipped with a gasketed cover, seal, or lid that shall be maintained in a closed position at all times (i.e., no visible gap) except when in actual use.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	19. Automatic bleeder vents shall be equipped with a gasket and shall be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	20. Rim vents shall be equipped with a gasket and shall be set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	21. Each emergency roof drain shall be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening. The fabric cover must be impermeable if the liquid is drained into the contents of the tanks.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	22. External floating roof legs shall be equipped with vapor socks or vapor barriers in order to maintain a gas-tight condition so as to prevent VOC emissions from escaping through the roof leg opening.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	23. All slotted sampling and gauging wells and similar fixed projections through the floating roof shall provide a projection below the liquid surface.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	24. The slotted guidepole well on a external floating roof shall be equipped with the following: a sliding cover, a well gasket, a pole sleeve, a pole wiper, and an internal float and float wiper designed to minimize the gap between the float and the well, and provided the gap shall not exceed 1/8 inch; or shall be equipped with a well gasket, a zero gap pole wiper seal and a pole sleeve that projects below the liquid surface.	Continuous	Equipment Design/Inspections	
Tank 1700 (EFR) N-845-4-2	25. The gap between the pole wiper and the slotted guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed 1/8 inch.	Continuous	Equipment Design/Inspections	

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Tank 1700 (EFR) N-845-4-2	26. Operator shall visually inspect tank valves, flanges, and connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated tanks for structural integrity annually.	Continuous	Inspection	
Tank 1700 (EFR) N-845-4-2	27. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection.	N/A		No leaks were determined during this reporting period.
Tank 1700 (EFR) N-845-4-2	28. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection.	N/A		No leaks were determined during this reporting period.
Tank 1700 (EFR) N-845-4-2	29. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition.	N/A		No leaks were determined during this reporting period.
Tank 1700 (EFR) N-845-4-2	30. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 4 shall constitute a violation of this rule.	N/A		No leaks were determined during this reporting period.
Tank 1700 (EFR) N-845-4-2	31. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections.	N/A		No leaks were determined during this reporting period.
Tank 1700 (EFR) N-845-4-2	32. Permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport.	Continuous	Recordkeeping	Notification sent to District on 3/4/15. Tank 1700 degassed on 3/23/15.

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Tank 1700 (EFR) N-845-4-2	33. During tank cleaning operations, draining and refilling of this tank shall occur as a continuous process and shall proceed as rapidly as practicable while the roof is not floating on the surface of the stored liquid.	Continuous	Work Practice	Tank 1700 sludge removal performed when removed from service.
Tank 1700 (EFR) N-845-4-2	34. Gap seal requirements shall not apply while the roof is resting on its legs, and during the processes of draining, degassing, or refilling the tank. A leak-free condition will not be required if the operator is draining or refilling this tank in a continuous, expeditious manner.	Continuous	Work Practice	Tank roof landed in March 2015 for degassing operations.
Tank 1700 (EFR) N-845-4-2	35. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid having a TVP of 0.5 psia or greater is placed, held, or stored in this tank.	Continuous	Work Practice	Tank 1700 degassed 3/23/15 and refilled 4/11/15.
Tank 1700 (EFR) N-845-4-2	36. While performing tank cleaning activities, operators may only use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less.	Continuous		No cleaning agents were used during tank cleaning activities.
Tank 1700 (EFR) N-845-4-2	37. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March.	Continuous		Steam cleaning was not performed during this reporting period.
Tank 1700 (EFR) N-845-4-2	38. During sludge removal, the operator shall control emissions from the sludge receiving vessel by operating an APCO- approved vapor control device that reduces emissions of organic vapors by at least 95%.	Continuous	Work Practice	Tank 1700 sludge removal performed when removed from service. Sludge removed via vacuum truck, closed drums, and supersacks.
Tank 1700 (EFR) N-845-4-2	39. The permittee shall only transport removed sludge in closed, liquid leak-free containers.	Continuous	Work Practice	Tank 1700 sludge removal performed when removed from service. Sludge removed via vacuum truck, closed drums, and supersacks.
Tank 1700 (EFR) N-845-4-2	40. The permittee shall store removed sludge, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request.	Continuous	Work Practice	Tank 1700 sludge removal performed when removed from service. Sludge removed via vacuum truck, closed drums, and supersacks.
Tank 1700 (EFR) N-845-4-2	41. The permittee of external floating roof tanks shall make the primary seal envelope available for unobstructed inspection by the APCO on an annual basis at locations selected along its circumference at random by the APCO. In the case of riveted tanks with toroid-type seals, a minimum of eight locations shall be made available; in all other cases, a minimum of four locations shall be made available. If the APCO suspects a violation may exist the APCO may require such further unobstructed inspection of the primary seal as may be necessary to determine the seal condition for its entire circumference.	Continuous	Work Practice	

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Tank 1700 (EFR) N-845-4-2	42. The operator shall perform gap measurements on primary and secondary seals within 60 days of the initial fill with petroleum liquid and at least once every year thereafter to determine compliance with the requirements of Rule 4623. The actual gap measurements of the floating roof primary and secondary seals shall be recorded. The inspection results shall be submitted to the APCO as specified in Section 6.3.5.	Continuous	Inspections/ Recordkeeping	Tank 1700 return to service seal gap inspection completed 4/11/15.
Tank 1700 (EFR) N-845-4-2	43. If this unit ceases to store volatile organic liquid (VOL) for a period of one year or more, subsequent introduction of VOL into the vessel shall be considered an initial fill in accordance with the conditions of this permit.	N/A		The tank was in VOL service for the reporting period.
Tank 1700 (EFR) N-845-4-2	44. If primary or secondary seal gap width/accumulated area and minimum vertical distance for one end of the mechanical shoe do not meet the requirements in this permit during 12 month inspection, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If the detected failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the APCO in the inspection report. Such a request must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.	N/A		The seal measurements met the requirements of this permit during the annual inspection.
Tank 1700 (EFR) N-845-4-2	45. The owner or operator shall visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the vessel is emptied and degassed. If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, the owner or operator shall repair the items as necessary so that none of the conditions specified mentioned in this condition exist before filling or refilling the storage vessel. Actual gap measurements shall be performed when the liquid level is static but not more than 48 hours after the tank roof is re-floated.	Continuous	Recordkeeping	Tank 1700 degassed 3/23/15. Inspections completed.
Tank 1700 (EFR) N-845-4-2	46. If any failure (i.e. visible organic liquid on the external floating roof, tank walls or anywhere, holes or tears in the seal fabric) is detected during 12 month visual inspection, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If the detected failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the APCO in the inspection report. Such a request must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.	N/A		No failures were determined during this reporting period.
Tank 1700 (EFR) N-845-4-2	47. Each calendar month, the owner or operator shall perform leak inspection of all equipment in gasoline service. Equipment in gasoline service is defined as a piece of equipment used in a system that transfers gasoline or gasoline vapors. For this inspection, detection methods incorporating sight, sound, and smell are acceptable.	Continuous	Inspection	

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Tank 1700 (EFR) N-845-4-2	48. For monthly leak inspection, a log book shall be used and shall be signed by the owner or operator 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.	Continuous	Recordkeeping	
Tank 1700 (EFR) N-845-4-2	49. 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. Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report the reason(s) why the repair was not feasible and the date each repair was completed.	Continuous	Recordkeeping	
Tank 1700 (EFR) N-845-4-2	50. The permittee shall submit a semi-annual compliance report that contains all required information stipulated under 40 CFR 63.11095(a) to the Administrator and the District.	Continuous	Work Practice	
Tank 1700 (EFR) N-845-4-2	51. The permittee shall maintain a log book that contains the following information: 1.) dates of leak inspections, 2.) the nature of the leak and the method of detection; 3.) findings, 4.) corrective action (date each leak is repaired), 5.) repair methods applied in each attempt to repair the leak; 6.) the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak; 7.) the date of successful repair of the leak; and 8.) inspector name and signature.	Continuous	Recordkeeping	
Tank 1700 (EFR) N-845-4-2	52. The permittee shall submit an excess emissions report that contains all required information that stipulated under 40 CFR 63.11 095(b) (5) to the Administrator and the District. The excess emissions report shall be submitted along with the semi-annual compliance report.	N/A		No excess emissions were identified during this reporting period.
Tank 1700 (EFR) N-845-4-2	53. Permittee shall submit the reports of the floating roof tank inspections to the APCO within five calendar days after the completion of the inspection only for those tanks that failed to meet the applicable requirements of Rule 4623, Sections 5.2 through 5.5. The inspection report for tanks that that have been determined to be in compliance with the requirements of Sections 5.2 through 5.5 need not be submitted to the APCO, but the inspection report shall be kept on-site and made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of this rule, including the following: 1) Date the storage vessel was emptied, date of inspection and names and titles of company personnel doing the inspection. 2) Tank Identification number and Permit to Operate number. 3) Observed condition of each component of the control equipment (seals, external floating roof, and fittings). 4) Measurements of the gaps between the tank shell and primary and secondary seals. 5) Leak free status of the tank and floating roof deck fittings. Records of the leak-free status shall include the vapor concentration values measured in parts per million by volume (ppmv). 6) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.4 and 5.5.2.4.3 of Rule 4623.	Continuous	Inspection/ Recordkeeping	

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Tank 1700 (EFR) N-845-4-2	54. Permittee shall maintain the records of the external floating roof landing activities that are performed pursuant to Rule 4623. Section 5.3.1.3. The records shall include information on the true vapor pressure (TVP), API gravity, storage temperature, type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank.	Continuous	Recordkeeping	The tank roof was landed in March 2015.
Tank 1700 (EFR) N-845-4-2	55. All records shall be maintained on site for a period of at least of five years and shall be made available for District, ARB, and EPA inspection upon request.	Continuous	Work Practice	
Tank 40 (IFR) N-845-5-3	1. True vapor pressure of the organic liquid stored shall be less than 11 psia.	Continuous	Work Practice	
Tank 40 (IFR) N-845-5-3	2. The internal floating roof shall float on the surface of the stored liquid at all times (i.e., off the roof leg supports) except during the initial fill until the roof is lifted off the leg supports and when the tank is completely emptied and subsequently refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible. Whenever the permittee intends to land the roof on it's legs, the permittee shall notify the APCO in writing at least five calendar days prior to performing the work. The tank must be in compliance with this rule before it may land on its legs.	Intermittent	Work Practice	Tank 40 roof landing occurred 2/22/15. Roof was refloated within 18 minutes. Tesoro submitted a deviation report for Condition 2 and received a Notice of Violation #5014282.
Tank 40 (IFR) N-845-5-3	3. Gaps between the tank shell and the primary seal shall not exceed 1 1/2 inches.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	4. The cumulative length of all gaps between the tank shell and the primary seal greater than 1/2 inch shall not exceed 10% of the circumference of the tank.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	5. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	6. No continuous gap in the primary seal greater than 1/8 inch wide shall exceed 10% of the tank circumference.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	7. No gap between the tank shell and the secondary seal shall exceed 1/2 inch.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	8. The cumulative length of all gaps between the tank shell and the secondary seal, greater than 1/8 inch shall not exceed 5% of the tank circumference.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	9. The metallic shoe-type seal shall be installed so that one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of 18 inches above the stored liquid surface.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	10. The geometry of the metallic-shoe type seal shall be such that the maximum gap between the shoe and the tank shell shall be no greater than 3 inches for a length of at least 18 inches in the vertical plane above the liquid.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	11. There shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	12. The secondary seal shall allow easy insertion of probes of up to 1 1/2 inches in width in order to measure gaps in the primary seal.	Continuous	Equipment Design/Inspections	

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Tank 40 (IFR) N-845-5-3	13. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	14. All openings in the roof used for sampling and gauging, except pressure-vacuum valves which shall be set to within 10% of the maximum allowable working pressure of the roof, shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tank and shall be equipped with a cover, seal or lid that shall be in a closed position at all times, with no visible gaps and be gas tight, except when the device or appurtenance is in use.	Continuous	Work Practice/Equipment Design	
Tank 40 (IFR) N-845-5-3	15. A leak-free condition is defined as a condition without a gas leak or a liquid leak. A gas leak is defined as a reading in excess of 10,000 parts per million by volume (ppmv), as methane, above background on a portable hydrocarbon detection instrument that is calibrated with methane in accordance with the procedures specified in EPA Method 21. A liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. A reading in excess to 10,000 ppmv, as methane, above background, or dripping of organic liquid at a rate of more than 3 drops per minute, is a violation of this permit and Rule 4623 and shall be reported as a deviation.	Continuous	Inspections	
Tank 40 (IFR) N-845-5-3	16. Each opening in a non-contact internal floating roof, except for automatic bleeder vents (vacuum breaker vents) and rim space vents, shall provide a projection below the liquid surface.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	17. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover 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. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	18. Automatic bleeder vents shall be equipped with a gasket and shall be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	19. Rim vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	20. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The well shall have a slit fabric cover that covers at least 90% of the opening. The fabric cover must be impermeable.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	21. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. The fabric sleeve must be impermeable.	Continuous	Equipment Design/Inspections	
Tank 40 (IFR) N-845-5-3	22. Each penetration of the internal floating roof that allows for the passage of a ladder shall have a gasketed sliding cover.	Continuous	Equipment Design/Inspections	

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Tank 40 (IFR) N-845-5-3	23. Operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually inspect the external shells and roofs of uninsulated tanks for structural integrity annually.	Continuous	Inspections	
Tank 40 (IFR) N-845-5-3	24. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection.	N/A		No leaks were determined during this reporting period.
Tank 40 (IFR) N-845-5-3	25. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection.	N/A		No leaks were determined during this reporting period.
Tank 40 (IFR) N-845-5-3	26. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition.	N/A		No leaks were determined during this reporting period.
Tank 40 (IFR) N-845-5-3	27. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 5 shall constitute a violation of this rule.	N/A		No leaks were determined during this reporting period.
Tank 40 (IFR) N-845-5-3	28. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections.	Continuous	Inspection	No leaks were determined during this reporting period.
Tank 40 (IFR) N-845-5-3	29. Any component found to be leaking on two consecutive annual inspections is in violation of this rule, even if covered under the voluntary inspection and maintenance program.	N/A		No leaks were determined during this reporting period.

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Tank 40 (IFR) N-845-5-3	30. The permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport.	N/A		No degassing or tank cleaning activities took place during this reporting period.
Tank 40 (IFR) N-845-5-3	31. During tank cleaning operations, draining and refilling of this tank shall occur as a continuous process and shall proceed as rapidly as practicable while the roof is not floating on the surface of the stored liquid.	N/A		No tank cleaning activities took place during this reporting period.
Tank 40 (IFR) N-845-5-3	32. Gap seal requirements shall not apply while the roof is resting on its legs, and during the processes of draining, degassing, or refilling the tank. A leak-free condition will not be required if the operator is draining or refilling this tank in a continuous, expeditious manner.	Continuous		Tank 40 roof landing occurred 2/22/15. Roof was refloated within 18 minutes. Tesoro submitted a deviation report per Condition 2.
Tank 40 (IFR) N-845-5-3	33. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid having a TVP of 0.5 psia or greater is placed, held, or stored in this tank.	N/A		No degassing activities took place during this reporting period.
Tank 40 (IFR) N-845-5-3	34. While performing tank cleaning activities, operators may only use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less.	N/A		No tank cleaning activities took place during this reporting period.
Tank 40 (IFR) N-845-5-3	35. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March.	N/A		Steam cleaning was not performed during this reporting period.
Tank 40 (IFR) N-845-5-3	36. During sludge removal, the operator shall control emissions from the sludge receiving vessel by operating an APCO- approved vapor control device that reduces emissions of organic vapors by at least 95%.	N/A		Sludge removal was not performed during this reporting period.
Tank 40 (IFR) N-845-5-3	37. The permittee shall only transport removed sludge in closed, liquid leak-free containers.	N/A		Sludge removal was not performed during this reporting period.
Tank 40 (IFR) N-845-5-3	38. The permittee shall store removed sludge, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request.	N/A		Sludge removal was not performed during this reporting period.

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Tank 40 (IFR) N-845-5-3	39. For newly constructed, repaired, or rebuilt internal floating roof tanks, the permittee shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to filling the tank.	Continuous	Inspections	
Tank 40 (IFR) N-845-5-3	40. If any failure (i.e. visible organic liquid on the internal floating roof, tank walls or anywhere, holes or tears in the seal fabric) is detected during 12 month visual inspection, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If the detected failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the APCO in the inspection report. Such a request must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.	N/A		No failures were determined during this reporting period.
Tank 40 (IFR) N-845-5-3	41. The permittee shall visually inspect, through the manholes, roof hatches, or other openings on the fixed roof, the internal floating roof and its appurtenant parts, fittings, etc., and the primary seal and/or secondary seal at least once every 12 months after the tank is initially filled with an organic liquid. There should be no visible organic liquid on the roof, tank, walls, or anywhere. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of vapors. Any defects found are violations of this rule.	Continuous	Inspections	
Tank 40 (IFR) N-845-5-3	42. The permittee shall visually inspect the internal floating roof, the primary seal and/or secondary seal, gaskets, slotted membrane and/or sleeve seals each time the storage tank is emptied and degassed, if holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to refilling the tank.	N/A		No degassing activities took place during this reporting period.
Tank 40 (IFR) N-845-5-3	43. The permittee shall notify the District in writing at least 30 days prior to conduct the visual inspection of the storage vessel, so the District can arrange an observer.	Continuous	Work Practice	
Tank 40 (IFR) N-845-5-3	44. The permittee shall conduct actual gap measurements of the primary seal and/or secondary seal at least once every 60 months. Other than the gap criteria specified by this permit, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found shall constitute a violation of this rule.	Continuous	Inspections	Not required during reporting period.

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Tank 40 (IFR) N-845-5-3	45. Permittee shall submit the reports of the floating roof tank inspections to the APCO within five calendar days after the completion of the inspection only for those tanks that failed to meet the applicable requirements of Rule 4623, Sections 5.2 through 5.5. The inspection report for tanks that that have been determined to be in compliance with the requirements of Sections 5.2 through 5 .5 need not be submitted to the APCO, but the inspection report shall be kept on-site and made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of this rule, including the following: 1) Date the storage vessel was emptied, date of inspection and names and titles of company personnel doing the inspection. 2) Tank identification number and Permit to Operate number. 3) Observed condition of each component of the control equipment (seals, internal floating roof, and fittings). 4) Measurements of the gaps between the tank shell and primary and secondary seals. 5) Leak free status of the tank and floating roof deck fittings. Records of the leak-free status shall include the vapor concentration values measured in parts per million by volume (ppmv). 6) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.4 and 5.5.2.4.3 of Rule 4623. 7) Nature of defects and any corrective actions or repairs performed on the tank in order to comply with rule 4623 and 40 CFR Part 60 Subpart Kb and the date(s) such actions were taken.	Continuous	Work Practice/Recordkeeping	
Tank 40 (IFR) N-845-5-3	46. Each calendar month, the owner or operator shall perform leak inspection of all equipment in gasoline service. Equipment in gasoline service is defined as a piece of equipment used in a system that transfers gasoline or gasoline vapors. For this inspection, detection methods incorporating sight, sound, and smell are acceptable.	Continuous	Inspection	
Tank 40 (IFR) N-845-5-3	47. For monthly leak inspection, a log book shall be used and shall be signed by the owner or operator 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.	Continuous	Recordkeeping	
Tank 40 (IFR) N-845-5-3	48. 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. Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report the reason(s) why the repair was not feasible and the date each repair was completed.	Continuous	Recordkeeping	
Tank 40 (IFR) N-845-5-3	49. The permittee shall submit a semi-annual compliance report that contains all required information stipulated under 40 CFR 63.11095(a) to the Administrator and the District.	Continuous	Work Practice	

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Tank 40 (IFR) N-845-5-3	50. The permittee shall maintain a log book that contains the following information: 1.) dates of leak inspections, 2.) the nature of the leak and the method of detection; 3.) findings, 4.) corrective action (date each leak is repaired), 5.) repair methods applied in each attempt to repair the leak; 6.) the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak; 7.) the date of successful repair of the leak; and 8.) inspector name and signature.	Continuous	Recordkeeping	
Tank 40 (IFR) N-845-5-3	51. The permittee shall submit an excess emissions report that contains all required information that stipulated under 40 CFR 63.1 1095(b)(5) to the Administrator and the District. The excess emissions report shall be submitted along with the semi-annual compliance report.	N/A		No excess emissions were identified during this reporting period.
Tank 40 (IFR) N-845-5-3	52. The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel, and these records shall be kept for the life of the source.	Continuous	Work Practice/Recordkeeping	
Tank 40 (IFR) N-845-5-3	53. The permittee shall maintain records of the volatile organic liquid stored, the period of storage, and TVP of that volatile organic liquid during the respective storage period . TVP shall be determined using the data on the Reid vapor pressure (highest receipt or highest tank sample results) and actual storage temperature.	Continuous	Recordkeeping	
Tank 40 (IFR) N-845-5-3	54. Permittee shall maintain the records of the internal floating roof landing activities that are performed pursuant to Rule 4623, Sections 5.3.1.3 and 5.4.3. The records shall include information on the true vapor pressure (TVP), API gravity, storage temperature, type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank.	Continuous	Recordkeeping	Tank 40 roof landing occurred 2/22/15. Roof was refloated within 18 minutes. Tesoro submitted a deviation report per Condition 2.
Tank 40 (IFR) N-845-5-3	55. All records shall be maintained on site for a period of at least of five years and shall be made available for District, ARB, and EPA inspection upon request.	Continuous	Work Practice	
Bulk Loading Rack N-845-6-5	1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]	Continuous	Equipment Design/Inherent to Process	
Bulk Loading Rack N-845-6-5	2. Fugitive VOC from components, such as valve, flange, connector, pump seal, etc, associated with this permit unit shall not exceed 621 pounds in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit	Continuous	Equipment Design	No components have been added to the facility since the ATC N-845-6-5 was converted to PTO N-845-6-5.
Bulk Loading Rack N-845-6-5	3. Fugitive VOC emissions from component leaks shall be calculated using component count and appropriate emission factors from "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities", Table IV-lb (Feb 1999)- Marketing Terminal Average Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Bulk Loading Rack N-845-6-5	4. The quantity of organic liquids (as defined in District Rule 4624) loaded through this loading rack shall not exceed 771,120 gallons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Equipment design	

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Bulk Loading Rack N-845-6-5	5. The quantity of organic liquids (as defined in District Rule 4624) loaded through this loading rack shall not exceed 240,350,000 gallons in any one rolling 12-month period.[District Rule 2201] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Bulk Loading Rack N-845-6-5	6. This loading rack shall be equipped with bottom loading equipment and a vapor collection and control system such that VOC emissions shall not exceed 0.08 pounds per 1,000 gallons of organic liquid loaded. [District Rule 4624] Federally Enforceable Through Title V Permit	Continuous	Work Practice/ Equipment Design / Stack Test	
Bulk Loading Rack N-845-6-5	7. The permittee shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary.[District Rule 1100] Federally Enforceable Through Title V Permit	N/A		No breakdown conditions occurred during this reporting period.
Bulk Loading Rack N-845-6-5	8. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure (e.g. breakdown of vapor recovery system), the date and cause of the initial failure, the estimated emissions in excess of those allowed including the amount of gasoline loaded during the breakdown period, and the methods utilized to restore normal operations. [District Rule 1100] Federally Enforceable Through Title V Permit	N/A		No breakdown conditions occurred during this reporting period.
Bulk Loading Rack N-845-6-5	9. All vapors displaced from tank truck loading shall be vented to the vapor recovery system under Permit to Operate N-845-22.[District Rule 2201 and 40 CFR 60.502(a), (f), and (g)] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Bulk Loading Rack N-845-6-5	10. Gasoline shall be loaded only into vapor-tight tank trucks. [40 CFR 60.502(e) and 40 CFR 63.11088(a)] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Bulk Loading Rack N-845-6-5	11. The facility shall obtain the vapor tightness documentation specified in 40 CFR Part 60.505(b) for each gasoline tank truck that is to be loaded at the facility. [40 CFR 60.502(e)(1)] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Bulk Loading Rack N-845-6-5	12. The vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624 and 40 CFR 60.502(h)] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Recordkeeping	
Bulk Loading Rack N-845-6-5	13. All delivery tanks which previously contained organic liquids, including gasoline, with a TVP greater than 1.5 psia at loading conditions shall be filled only at Class 1 loading facilities using bottom loading equipment with a vapor collection and control system operating such that VOC emissions do not exceed 0.08 pounds per 1,000 gallons of organic liquid loaded and which operate so the delivery tank does not exceed 18 inches water column pressure nor 6 inches water column vacuum. [District Rule 4624] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Bulk Loading Rack N-845-6-5	14. The vapor collection system, the vapor processing system, and each transfer rack handling organic liquids shall be tested for leaks with a portable hydrocarbon analyzer in accordance with EPA Method 21, at least once every calendar quarter. [District Rule 4624] Federally Enforceable Through Title V Permit	Continuous	Inspections	

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Bulk Loading Rack N-845-6-5	15. The transfer rack and vapor collection equipment shall be installed, maintained, and operated such that there are no leaks and no excess organic liquid drainage at disconnections. A leak is defined as the dripping of organic compounds at a rate of more than three drops per minute or the detection of organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from potential source in accordance with EPA Method 21. Excess organic liquid drainage is defined as an average of more than 10 milliliters liquid drainage per disconnect from three consecutive disconnects. [District Rule 4624] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Inspections	
Bulk Loading Rack N-845-6-5	16. The equipment that are found leaking shall be repaired or replaced within 72 hours after detecting the leakage. If the leaking component cannot be repaired or replaced within 72 hours, the component shall be taken out of service until such time the component is repaired or replaced. The repaired or replacement equipment shall be reinspected the first time the equipment is in operation after the repair or replacement. [District Rule 4624] Federally Enforceable Through Title V Permit	Continuous	Inspections/Work Practice	Leaks discovered 8/12/15, Loading Rack 2, Tag #303. Repairs completed successfully within 24 hours.
Bulk Loading Rack N-845-6-5	17. Each calendar month, the vapor collection system, the vapor processing system and each loading rack handling gasoline, and all equipment in gasoline service shall be inspected during the loading of gasoline tank trucks for organic liquid and organic vapor leaks. Equipment in gasoline service is defined as a piece of equipment used in a system that transfers gasoline or gasoline vapors. For the purpose of this condition, detection methods incorporating sight, sound and smell are acceptable. [40 CFR 60.5020) and 40 CFR 63.11 089(a)] Federally Enforceable Through Title V Permit	Continuous	Inspections	
Bulk Loading Rack N-845-6-5	18. The permittee may apply for a written approval from the APCO to change the inspection frequency from quarterly to annually provided no leaks were found during five consecutive quarterly inspections. Upon identification of any leak during an annual inspection, the inspection frequency shall revert back to quarterly, and the operator shall contact the APCO in writing within 14 days. [District Rule 4624] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Bulk Loading Rack N-845-6-5	19. For monthly leak inspection, a log book shall be used and shall be signed by the operator 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 63.11089(b) and 40 CFR 63.11094(d)] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping/Inspections	
Bulk Loading Rack N-845-6-5	20. Each calendar month, liquid drainage at disconnect of each loading arm shall be determined, and appropriate action shall be taken in case excess liquid drainage occurs from any loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.3.3] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Inspections	

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Bulk Loading Rack N-845-6-5	21. Liquid drainage inspections shall be completed before 10:00 AM the day of inspection. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one minute of collection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit	Continuous	Inspections	
Bulk Loading Rack N-845-6-5	22. Documentation attesting to the vapor tightness of each truck loaded with gasoline shall be kept. The documentation file for each tank truck shall be updated at least once per year to reflect the current test results as determined by EPA Method 27. [40 CFR 60.505(a) and (b), and 40 CFR 63.11094(b)] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Bulk Loading Rack N-845-6-5	23. The permittee shall submit a semi-annual compliance report that includes each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility. [40 CFR 63.11088(f) and 40 CFR 63.11095(aX2)] Federally Enforceable Through Title V Permit	Continuous	Reporting	
Bulk Loading Rack N-845-6-5	24. The permittee shall maintain a log book that contains the following information: 1.) dates of leak inspections, 2.) the nature of the leak and the method of detection; 3.) findings, 4.) corrective action (date each leak is repaired), 5.) repair methods applied in each attempt to repair the leak; 6.) the reason for the delay if the leak is not repaired within 3 calendar days after discovery of the leak; 7.) the date of successful repair of the leak; and 8.) inspector name and signature. [District Rule 4624,40 CFR 60.505(c), 40 CFR 63.11089(g), and 40 CFR 63.11094(e)] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Recordkeeping	
Bulk Loading Rack N-845-6-5	25. The permittee shall keep a record of the daily organic liquids throughput, in gallons. [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Bulk Loading Rack N-845-6-5	26. The permittee shall keep a record of the cumulative organic liquids throughput on a rolling 12-month basis, in gallons. The record shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Bulk Loading Rack N-845-6-5	27. All records shall be maintained on site for a period of at least five years and shall be made available for District, ARB, and EPA inspection upon request. [District Rules 1070,2201,4624, and 40 CFR 63.11094(a)] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Tank 420 (VFR) N-845-10-3	1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]	Continuous	Equipment Design/Inherent to Process	
Tank 420 (VFR) N-845-10-3	2. The quantity of organic liquids (as defined in District Rule 4623) processed through this tank shall not exceed 800 gallons in any one day (on an annual average basis). [District Rule 2201] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Tank 420 (VFR) N-845-10-3	3. The quantity of organic liquids (as defined in District Rule 4623) processed through this tank shall not exceed 197,820 gallons in any one rolling 12-month period. [District Rule 2201] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	

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Tank 420 (VFR) N-845-10-3	4. Gasoline (as defined in 40 CFR Part 63.11100) shall not be stored in this tank. [District Rule 2201] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Tank 420 (VFR) N-845-10-3	5. All piping, valves, and fittings shall be constructed and maintained in a leak-free condition. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Equipment design	
Tank 420 (VFR) N-845-10-3	6. Any tank gauging or sampling device on a tank vented to the vapor recovery system shall be equipped with a leak-free cover which shall be closed at all times except during gauging or sampling. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Equipment design	
Tank 420 (VFR) N-845-10-3	7. The tank shall be equipped with a vapor recovery system consisting of a closed vent system that collects all VOCs from the storage tank, and a VOC control device. This tank shall be served by the vapor recovery system under Permit to Operate N-845-22. The vapor recovery system shall be maintained in gas-tight condition. The VOC control device shall be an approved VOC recovery device that reduces the inlet VOC emissions by at least 99% by weight as determined by the test method specified in Section 6.4.6 of District Rule 4623. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Stack Test	
Tank 420 (VFR) N-845-10-3	8. A leak-free condition is defined as a condition without a gas leak or a liquid leak. A gas leak is defined as a reading in excess of 10,000 parts per million by volume (ppmv), as methane, above background on a portable hydrocarbon detection instrument that is calibrated with methane in accordance with the procedures specified in EPA Method 21. A liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. A reading in excess to 10,000 ppmv, as methane, above background, or dripping of organic liquid at a rate of more than 3 drops per minute, is a violation of this permit and Rule 4623 and shall be reported as a deviation.[District Rule 4623) Federally Enforceable Through Title V Permit	Continuous	Work Practice/Inspections	
Tank 420 (VFR) N-845-10-3	9. Operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually or ultrasonically inspect as appropriate, the external shells and roofs of uninsulated tanks for structural integrity annually. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Inspections	
Tank 420 (VFR) N-845-10-3	10. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No leaks were determined during this reporting period.

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Tank 420 (VFR) N-845-10-3	11. Upon detection of a gas leak, defined as a VOC concentration of greater than I 0,000 ppmv measured in accordance with EPA Method 21 by a portable hydrocarbon detection instrument that is calibrated with methane, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No leaks were determined during this reporting period.
Tank 420 (VFR) N-845-10-3	12. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No leaks were determined during this reporting period.
Tank 420 (VFR) N-845-10-3	13. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 3 shall constitute a violation of this rule. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No leaks were determined during this reporting period.
Tank 420 (VFR) N-845-10-3	14. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Tank 420 (VFR) N-845-10-3	15. Any component found to be leaking on two consecutive annual inspections is in violation of this rule, even if covered under the voluntary inspection and maintenance program. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice	

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Tank 420 (VFR) N-845-10-3	16. The control efficiency of the vapor recovery system under Permit to Operate N-845-22, measured and calculated as carbon, shall be determined by US EPA Method 25, except when the outlet concentration must be below 50 ppm in order to meet the standard, in which case US EPA Method 25a may be used. US EPA Method 18 may be used in lieu of US EPA Method 25 or US EPA Method 25A provided the identity and approximate concentrations of the analyses/compounds in the sample gas stream are known before analysis with the gas chromatograph and the gas chromatograph is calibrated for each of the known analytes/compounds to ensure that the VOC concentrations are neither under- or over-reported. Analysis of halogenated exempt compounds shall be analyzed by ARB Method 422 "Exempt Halogenated VOCs in Gases September 12, 1990". [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Stack Test Procedures	
Tank 420 (VFR) N-845-10-3	17. The permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice	No degassing activities took place during this reporting period.
Tank 420 (VFR) N-845-10-3	18. This tank shall be degassed before commencing interior cleaning by following one of the following options: 1) exhausting VOCs contained in the tank vapor space to the vapor recovery system under Permit to Operate N-845-22 until the organic vapor concentration is 5,000 ppmv or less, or is 10 percent or less of the lower explosion limit (LEL), whichever is less, or 2) by displacing VOCs contained in the tank vapor space to the vapor recovery system under Permit to Operate N-845-22 by filling the tank with a suitable liquid until90 percent or more of the maximum operating level of the tank is filled. Suitable liquids are organic liquids having a TVP of less than 0.5 psia, water, clean produced water, or produced water derived from crude oil having a TVP less than 0.5 psia, or 3) by displacing VOCs contained in the tank vapor space to the vapor recovery system under Permit to Operate N-845-22 by filling the tank with a suitable gas. Degassing shall continue until the operator has achieved a vapor displacement equivalent to at least 2.3 times the tank capacity. Suitable gases are air, nitrogen, carbon dioxide, or natural gas containing less than 10 percent VOC by weight. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice	No degassing activities took place during this reporting period.
Tank 420 (VFR) N-845-10-3	19. During tank degassing, the operator shall discharge or displace organic vapors contained in the tank vapor space to an APCO-approved vapor recovery system. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice	No degassing activities took place during this reporting period.
Tank 420 (VFR) N-845-10-3	20. This tank shall be in compliance with the applicable requirements of District Rule 4623 at all times during draining, degassing, and refilling the tank with an organic liquid having a TVP of 0.5 psia or greater. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice	No degassing activities took place during this reporting period.

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Tank 420 (VFR) N-845-10-3	21. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid having a TVP of 0.5 psia or greater is placed, held, or stored in this tank. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice	No degassing activities took place during this reporting period.
Tank 420 (VFR) N-845-10-3	22. While performing tank cleaning activities, the operators may only use the following cleaning agents: water and clean (produced) water, diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams of VOC per liter or less. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice	No tank cleaning activities took place during this reporting period.
Tank 420 (VFR) N-845-10-3	23. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No tank cleaning activities took place during this reporting period.
Tank 420 (VFR) N-845-10-3	24. During sludge removal from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, the operator shall vent emissions from the sludge receiving vessel to the vapor recovery system under Permit to Operate N-845-22. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit	N/A		Sludge removal was not performed during this reporting period.
Tank 420 (VFR) N-845-10-3	25. The operator shall only transport removed sludge from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, in closed, liquid leak-free containers. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		Sludge removal was not performed during this reporting period.
Tank 420 (VFR) N-845-10-3	26. The operator shall store removed sludge from tanks containing organic liquids with a true vapor pressure of 1.5 psia or greater, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice	Sludge removal was not performed during this reporting period.
Tank 420 (VFR) N-845-10-3	27. The permittee shall maintain an inspection log containing the following 1) type of component leaking; 2) date and time of leak detection, and method of detection; 3) date and time of leak repair, and emission level of recheck after leak is repaired; 4) method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Tank 420 (VFR) N-845-10-3	28. The permittee shall keep a record of the daily organic liquids throughput, in gallons. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Tank 420 (VFR) N-845-10-3	29. The permittee shall keep a record of the cumulative organic liquids throughput on a rolling 12-month basis, in gallons. The record shall be updated at least monthly. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	

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Tank 420 (VFR) N-845-10-3	30. All records shall be maintained on site for a period of at least five years and shall be made available for District, ARB, and EPA inspection upon request. [District Rules 1070,2201, and 4623] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Vapor Recovery System N-845-22-4	1. The operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100] Federally Enforceable Through Title V Permit	Continuous	Work Practice	No breakdown conditions occurred during this reporting period.
Vapor Recovery System N-845-22-4	2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure (e.g. breakdown of vapor recovery system), the date and cause of the initial failure, the estimated emissions in excess of those allowed including the amount of gasoline loaded during the breakdown period, and the methods utilized to restore normal operations. [District Rule 1100] Federally Enforceable Through Title V Permit	Continuous	Work Practice	No breakdown conditions occurred during this reporting period.
Vapor Recovery System N-845-22-4	3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringel mann 1 or 20% opacity. [District Rule 4101]	Continuous	Equipment Design/Inherent to Process	
Vapor Recovery System N-845-22-4	4. This loading rack shall be equipped with bottom loading equipment and a vapor collection and control system such that VOC emissions shall not exceed 0.08 pounds per 1,000 gallons of organic liquid loaded. [District Rule 4624] Federally Enforceable Through Title V Permit	Continuous	Equipment Design	
Vapor Recovery System N-845-22-4	5. The VOC removal efficiency shall be at least 99% and all organic liquids loading shall be conducted utilizing bottom loading and dry-break couplers. [District Rule 2201] Federally Enforceable Through Title V Permit	Continuous	Source Test	
Vapor Recovery System N-845-22-4	6. The vapor collection and control system shall operate such that the pressure in the delivery tank being loaded does not exceed 18 inches water column pressure and 6 inches water column vacuum. [District Rule 4624 and 40 CFR 60.502(h)] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping/ Inspections	
Vapor Recovery System N-845-22-4	7. The vapor collection system, the vapor processing system, and each transfer rack handling organic liquids shall be tested for leaks, using EPA Method 21, at least once every calendar quarter. [District Rule 4624] Federally Enforceable Through Title V Permit	Continuous	Inspections	
Vapor Recovery System N-845-22-4	8. The transfer rack and vapor collection equipment shall be installed, maintained, and operated such that there are no leaks and no excess organic liquid drainage at disconnections. A leak is defined as the dripping of organic compounds at a rate of more than three drops per minute or the detection of organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from potential source in accordance with EPA Method 21. Excess organic liquid drainage is defined as an average of more than 10 milliliters liquid drainage per disconnect from three consecutive disconnects.[District Rule 4624] Federally Enforceable Through Title V Permit	Continuous	Work Practice/ Inspections	

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Vapor Recovery System N-845-22-4	9. The equipment that are found leaking shall be repair or replaced within 72 hours after detecting the leakage. If the leaking component cannot be repaired or replaced within 72 hours, the component shall be taken out of service until such time the component is repaired or replaced. The repaired or replacement equipment shall be reinspected the first time the equipment is in operation after the repair or replacement. [District Rule 4624] Federally Enforceable Through Title V Permit	N/A		No leaks were determined during this reporting period.
Vapor Recovery System N-845-22-4	10. Each calendar month, the vapor collection system, the vapor processing system and each loading rack handling gasoline shall be inspected during the loading of "product" tank trucks for organic liquid and organic vapor leaks. For the purpose of this condition, "product" means gasoline, denatured ethanol, additives, and/or product blended with any of the following: gasoline, denatured ethanol, and additives; and the detection methods incorporating sight, sound and smell are acceptable. [40 CFR 60.5020) and 40 CFR 63.11089(a)] Federally Enforceable Through Title V Permit	Continuous	Inspections	
Vapor Recovery System N-845-22-4	11. The permittee may apply for a written approval from the APCO to change the inspection frequency from quarterly to annually provided no leaks were found during five consecutive quarterly inspections. Upon identification of any leak during an annual inspection, the inspection frequency shall revert back to quarterly, and the operator shall contact the APCO in writing within 14 days. [District Rule 4624] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Vapor Recovery System N-845-22-4	12. During source testing, the loading rack's vapor collection and control system shall be tested at every loading position to demonstrate the pressure in the delivery tanks being loaded complies with the requirements specified in this permit. Compliance shall be determined by calibrating and installing a liquid manometer, magnehelic device, or other instrument demonstrated to be equivalent, capable of measuring up to 500 mm water gauge pressure with a precision of 2.5 mm water gauge, on the terminal's vapor collection and control system at a pressure tap as close as possible to the connection with the "product" tank truck. For the purpose of this condition, "product" means gasoline, denatured ethanol, additives, and/or product blended with any of the following: gasoline, denatured ethanol, and additives. The highest instantaneous pressure measurement as well as all pressure measurements at 5 minute intervals during delivery vessel loading must be recorded. [40 CFR 60.503(d)] Federally Enforceable Through Title V Permit	N/A		Source Testing was not required during this reporting period.
Vapor Recovery System N-845-22-4	13. Source testing to demonstrate compliance with the VOC emission rate from the vapor recovery system serving the loading rack under Permit to Operate N-845-6, and the VOC removal efficiency of the vapor recovery system shall be conducted once every 60 months, but no more than 30 days before or after initial source test anniversary date. [District Rule 4624] Federally Enforceable Through Title V Permit	N/A		Source Testing was not required during this reporting period.
Vapor Recovery System N-845-22-4	14. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit	Continuous	Equipment Design	

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Vapor Recovery System N-845-22-4	15. Source testing shall be conducted using methods and procedures approved by District. The District must be notified 30 days prior to any compliance source testing and a pretest plan outlining the test methods and procedures shall be submitted for the District approval no later than 15 days prior to each test. [District Rule I 081] Federally Enforceable Through Title V Permit	N/A		Source Testing was not required during this reporting period.
Vapor Recovery System N-845-22-4	16. Source testing shall be witnessed or authorized by District Personnel and samples shall be collected and analyzed by a California Air Resources Board (CARB) certified testing laboratory or a CARB certified source testing company. [District Rule 1081] Federally Enforceable Through Title V Permit	N/A		Source Testing was not required during this reporting period.
Vapor Recovery System N-845-22-4	17. VOC emissions for source test purpose shall be determined using 40 CFR Part 60.503 "Test Methods and Procedures" and EPA Methods 2A, 2B, 25A and 25B, and ARB Method 422, or ARB Test Procedure TP-203.1. [District Rule 4624 and 40 CFR 63.11092(a)(1)] Federally Enforceable Through Title V Permit	N/A		Source Testing was not required during this reporting period.
Vapor Recovery System N-845-22-4	18. Source testing for VOC removal efficiency shall be conducted utilizing EPA Method 18, EPA Method 25A or CARB Method 100. Alternative methods may be utilized provided they are previously approved by the District, in writing. [District Rule 2201] Federally Enforceable Through Title V Permit	N/A		Source Testing was not required during this reporting period.
Vapor Recovery System N-845-22-4	19. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit	N/A		Source Testing was not required during this reporting period.
Vapor Recovery System N-845-22-4	20. The permittee shall install, calibrate, certify, maintain, and quality-assure a Continuous Emissions Monitoring System (CEMS) which continuously measures and records the VOCs (and other parameters, if any, to determine compliance with lb-VOC/1,000 gallon of organic liquid) while organic liquid vapors are displaced to this vapor recovery system. The CEMS shall be installed in the exhaust air stream. [40 CFR 63.11092(b)] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Equipment Design	
Vapor Recovery System N-845-22-4	21. The permittee shall document the reasons for any change to the operating parameter established during initial performance testing. [40 CFR 63.11092(c)] Federally Enforceable Through Title V Permit	N/A		Source Testing was not required during this reporting period.
Vapor Recovery System N-845-22-4	22. The CEMS for measuring emissions other than opacity shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period, or shall meet equivalent specifications established by mutual agreement of the District, the CARB and the EPA. [40 CFR 63.8(c)(4)(ii)] Federally Enforceable Through Title V Permit	Continuous	Equipment Design	
Vapor Recovery System N-845-22-4	23. The CEMS shall meet the requirements in 40 CFR Part 60 Appendix B Performance Specification 8 (PS 8) or 8A (PS 8A), as appropriate, or shall meet equivalent specifications established by mutual agreement of the District, the CARB, and the EPA. [40 CFR 63.8(a)(2)] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Vapor Recovery System N-845-22-4	24. The CEMS must be audited at least once every six months by conducting cylinder gas audits (CGA) using the procedure in 40 CFR Part 60 Appendix F, 5.1.2. Audit reports shall be submitted along with semi-annual compliance reports to the District, the CARB, and the EPA. [40 CFR 63.8(e)] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Reporting	The most recent CGAs are included with the ACC and RRM for this reporting period.

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Vapor Recovery System N-845-22-4	25. The CEMS data shall be reduced to hourly averages as specified in 40 CFR Part 63.8(g), or by other methods deemed equivalent by mutual agreement with the District, the CARB, and the EPA. [40 CFR 63.8(g)] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Equipment Design	
Vapor Recovery System N-845-22-4	26. The permittee shall maintain files of all information (including all reports and notification) required by this part recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. [40 CFR 63.10] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Recordkeeping	
Vapor Recovery System N-845-22-4	27. The permittee shall submit an excess emissions report to the Administrator at the time the semiannual compliance report is submitted. The report shall include all applicable information specified in 40 CFR Part 63.11095 (b)(l) through (5). [40 CFR 63.11095(b)] Federally Enforceable Through Title V Permit	N/A		There were no excess emissions during this reporting period.
Vapor Recovery System N-845-22-4	28. APCO or an authorized representative shall be allowed to inspect, as determined to be necessary, the required monitoring devices to ensure that such devices are functioning properly. [District Rule 1080] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Vapor Recovery System N-845-22-4	29. For monthly leak inspection, a log book shall be used and shall be signed by the owner or operator 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 63.11089(b) and 40 CFR 63.11094(d)] Federally Enforceable Through Title V Permit	Continuous	Inspection	
Vapor Recovery System N-845-22-4	30. Documentation attesting to the vapor tightness of each truck loaded with gasoline shall be kept. The documentation file for each tank truck shall be updated at least once per year to reflect the current test results as determined by EPA method 27. (40 CFR 60.505(a) and (b), and 40 CFR 63.11094(b)] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Vapor Recovery System N-845-22-4	31. The permittee shall submit a semi-annual compliance report that includes each loading of a gasoline cargo tank for which vapor tightness documentation had not been previously obtained by the facility. [40 CFR 63.11 088(t) and 40 CFR 63.11095(a)(2)] Federally Enforceable Through Title V Permit	N/A		Each truck has documentation prior to loading.
Vapor Recovery System N-845-22-4	32. The permittee shall maintain a log book that contains the following information: 1.) dates of leak inspections, 2.) the nature of the leak and the method of detection; 3.) findings, 4.) corrective action (date each leak is repaired), 5.) repair methods applied in each attempt to repair the leak; 6.) the reason for the delay if the leak is not repaired within 3 calendar days after discovery of the leak; 6.) the date of successful repair of the leak; and 8.) inspector name and signature. [District Rule 4624, 40 CFR 60.505(c), 40 CFR 63.11089(g), and 40 CFR 63.11094(e)] Federally Enforceable Through Title V Permit	Continuous	Work Practice/ Recordkeeping	
Vapor Recovery System N-845-22-4	33. All records shall be maintained on site for a period of at least five years and shall be made available for District, ARB, and EPA inspection upon request. [District Rules 1070, 2201,4624, and 40 CFR 60.505, and 40 CFR 63.11094(a)] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	

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Tank 11 (HT) N-845-23-1	1. VOC emissions from this tank shall not exceed 0.5 pounds in any one day.	Continuous	Emission Calculation	Continuous compliance is consistent with the calculation methodology used by the SJVAPCD to determine compliance. Using the annual throughput in TANKS 4.0.9d to calculate emissions and divided by 365 days/year to determine the daily emissions.
Tank 11 (HT) N-845-23-1	2. Annual throughput for this tank shall not exceed 11,857 gallons in any one calendar year.	Intermittent	Work Practice/ Recordkeeping	The annual throughput limit was exceeded on November 11, 2014, and a deviation report was submitted on November 12, 2014. Subsequently an ATC application was submitted to increase the throughput limit and install a pressure-vacuum relief valve. The final ATC for Tank 11 was issued on July 17, 2015. The ATC has not yet been implemented. Tesoro currently has a throughput less than 11,857 gallons for the 2015 calendar year.
Tank 11 (HT) N-845-23-1	3. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 0.5 psia under all storage conditions.	Intermittent	Recordkeeping	The most recent source test indicates the fluid being held in the tank has a TVP = 0.63 based on calculation methodology provided in Appendix B of SJVAPCD Rule 4623.
Tank 11 (HT) N-845-23-1	4. Permittee shall conduct true vapor pressure (TVP) testing of the organic liquid stored in this tank at least once every 24 months during summer (July- September), and/or whenever there is a change in the source or type of organic liquid stored in this tank in order to maintain exemption from the rule.	Continuous		Tesoro completed source test on 7/15/15.
Tank 11 (HT) N-845-23-1	5. The API gravity of crude oil or petroleum distillate shall be determined by using ASTM Method D 287 e1 "Standard Test Method for API Gravity of Crude Petroleum and Petroleum Products (Hydrometer Method). Sampling for API gravity shall be performed in accordance with ASTM Method D 4057 "Standard Practices for Manual Sampling of Petroleum and Petroleum Products."	N/A		This tank did not store crude oil or petroleum distillates during this reporting period.
Tank 11 (HT) N-845-23-1	6. For crude oil with an API gravity of 26 degrees or less, the TVP shall be determined using the latest version of the Lawrence Berkeley National Laboratory "test Method for Vapor pressure of Reactive Organic Compounds in Heavy Crude Oil Using Gas Chromatograph", as approved by ARB and EPA.	N/A		This tank did not store crude oil during this reporting period.
Tank 11 (HT) N-845-23-1	7. The TVP testing shall be conducted at actual storage temperature of the organic liquid in the tank. The permittee shall also conduct an API gravity testing.	Continuous	Work Practice/Recordkeeping	
Tank 11 (HT) N-845-23-1	8. The permittee shall keep accurate records of each organic liquid stored in the tank, including its storage temperature, TVP, and API gravity.	Continuous	Recordkeeping	
Tank 11 (HT) N-845-23-1	9. Permittee shall submit the records of TVP and API gravity testing to the APCO within 45 days after the date of testing. The records shall include the tank identification number, Permit to Operate number, type of stored organic liquid, TVP and API gravity of the organic liquid, test methods used, and a copy of the test results.	Continuous	Work Practice	Tank 11 was tested on 7/15/15 for TVP and API gravity. Report was submitted to the District during a site inspection on 7/21/15.

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Tank 11 (HT) N-845-23-1	10. The permittee shall maintain daily and cumulative annual throughput records in gallons.	Continuous	Recordkeeping	
Tank 11 (HT) N-845-23-1	11. All records shall be maintained on site for a period of at least of five years and shall be made available for District, ARB, and EPA inspection upon request.	Continuous	Work Practice/Recordkeeping	
Tank 55 (IFR) N-845-24-1	1. VOC emissions from this tank shall not exceed 11.4 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit	Continuous	Emission Calculation	
Tank 55 (IFR) N-845-24-1	2. Fugitive VOC from components, such as valve, flange, connector, pump seal, etc, associated with this permit unit shall not exceed 15 pounds in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit	Continuous	Equipment Design	No components have been added to the facility since the ATC N-845-6-5 was converted to PTO N-845-6-5.
Tank 55 (IFR) N-845-24-1	3. Fugitive VOC emissions from component leaks shall be calculated using component count and appropriate emission factors from "California Implementation Guidelines for Estimating Mass Emissions of Fugitive Hydrocarbon Leaks at Petroleum Facilities", Table IV-1b (Feb 1999)- Marketing Terminal Average Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit	Continuous	Work Practice	
Tank 55 (IFR) N-845-24-1	4. Gaps between the tank shell and the primary seal shall not exceed 1 1/2 inches. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design	
Tank 55 (IFR) N-845-24-1	5. True vapor pressure of the organic liquid stored shall be less than 11 psia. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Tank 55 (IFR) N-845-24-1	6. The cumulative length of all gaps between the tank shell and the primary seal greater than 1/2 inch shall not exceed 10% of the circumference of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	7. The cumulative length of all primary seal gaps greater than 1/8 inch shall not exceed 30% of the circumference of the tank.[District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	8. No continuous gap in the primary seal greater than 1/8 inch wide shall exceed 10% of the tank circumference. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	9. No gap between the tank shell and the secondary seal shall exceed 1/2 inch. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	10. The cumulative length all gaps between the tank shell and the secondary seal, greater than 1/8 inch shall not exceed 5% of the tank circumference.[District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	11. The metallic shoe-type seal shall be installed so that one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of 18 inches above the stored liquid surface. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	12. The geometry of the metallic-shoe type seal shall be such that the maximum gap between the shoe and the tank shell shall be no greater than 3 inches for a length of at least 18 inches in the vertical plane above the liquid. (District Rule 4623) Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	

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Tank 55 (IFR) N-845-24-1	13. There shall be no holes, tears, or openings in the secondary seal or in the primary seal envelope that surrounds the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	14. The secondary seal shall allow easy insertion of probes of up to I 1/2 inches in width in order to measure gaps in the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	15. The secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	16. The internal floating roof shall be floating on the surface of the stored liquid at all times (i.e., off the roof leg supports) except during the initial fill until the roof is lifted off the leg supports and when the tank is completely emptied and subsequently refilled. When the roof is resting on the leg supports the processes of filling or emptying and refilling shall be continuous and shall be accomplished as rapidly as possible. Whenever the permittee intends to land the roof on its legs, the permittee shall notify the APCO in writing at least five calendar days prior to performing the work. The tank must be in compliance with this rule before it may land the roof on its legs. [District Rule 4623, 40 CFR 60.112b(a)(I)(i), 40 CFR 63.II087(a)] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Reporting	No roof landing activities.
Tank 55 (IFR) N-845-24-1	17. All openings in the roof used for sampling and gauging, except pressure-vacuum valves which shall be set to within I 0% of the maximum allowable working pressure of the roof, shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tank and shall be equipped with a cover, seal or lid that shall be in a closed position at all times, with no visible gaps and be gas tight, except when the device or appurtenance is in use. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design	
Tank 55 (IFR) N-845-24-1	18. A leak-free condition is defined as a condition without a gas or liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv as methane, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A liquid leak is defined as a dripping rate of more than three drops per minute. A reading in excess of 10,000 ppmv as methane above background or a liquid leak of greater than three drops per minute is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Inspections	
Tank 55 (IFR) N-845-24-1	19. Each opening in a non-contact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and rim space vents shall provide a projection below the liquid surface.[District Rule 4623, 40 CFR 60.112b(a)(I)(iii), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	

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Tank 55 (IFR) N-845-24-1	20. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains shall be equipped with a cover, or a lid shall be maintained in a closed position at all times (i.e. no visible gaps) except when the device is in use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted in place except when they are in use. [District Rule 4623,40 CFR 60.112b(a)(l)(iv), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	21. Automatic bleeder vents shall be equipped with a gasket and shall be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the leg roof supports. [District Rule 4623, 40 CFR 60.112b(a)(l)(v), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	22. Rim vents shall be equipped with a gasket and shall be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting. [District Rule 4623, 40 CFR 60.112b(a)(t)(vi), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	23. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The well shall have a slit fabric cover that covers at least 90 percent of the opening. The fabric cover must be impermeable. [District Rule 623, 40 CFR 60.112b(aXIXvii), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	24. Each penetration of the internal floating roof that allows for the passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover. The fabric sleeve must be impermeable. [District Rule 4623,40 CFR 60.ll2b(a)(l)(viii), and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	25. Each penetration of the internal floating roof that allows for the passage of a ladder shall have a gasketed sliding cover. [40 CFR 60.112b(a)(1Xix) and 40 CFR 63.11087(a)] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	26. All slotted sampling or gauging wells shall provide a projection below the liquid surface. (District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	27. The gap between the pole wiper and the slotted guidepole shall be added to the gaps measured to determine compliance with the secondary seal requirement, and in no case shall exceed one-eighth inch. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Equipment Design/Inspections	
Tank 55 (IFR) N-845-24-1	28. Operator shall visually inspect tank shell, hatches, seals, seams, cable seals, valves, flanges, connectors, and any other piping components directly affixed to the tank and within five feet of the tank at least once per year for liquid leaks, and with a portable hydrocarbon detection instrument conducted in accordance with EPA Method 21 for gas leaks. Operator shall also visually inspect the external shells and roofs of uninsulated tanks for structural integrity annually. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Inspections	

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Tank 55 (IFR) N-845-24-1	29. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No leaks were determined during this reporting period.
Tank 55 (IFR) N-845-24-1	30. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No leaks were determined during this reporting period.
Tank 55 (IFR) N-845-24-1	31. Components found to be leaking either liquids or gases shall be immediately affixed with a tag showing the component to be leaking. Operator shall maintain records of the liquid or gas leak detection readings, date/time the leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No leaks were determined during this reporting period.
Tank 55 (IFR) N-845-24-1	32. Leaking components that have been discovered by the operator that have been immediately tagged and repaired within the timeframes specified in District Rule 4623, Table 3 shall not constitute a violation of this rule. Leaking components as defined by District Rule 4623 discovered by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within the timeframes specified in District Rule 4623, Table 5 shall constitute a violation of this rule. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No leaks were determined during this reporting period.
Tank 55 (IFR) N-845-24-1	33. If a component type for a given tank is found to leak during an annual inspection, operator shall conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If no components are found to leak after four consecutive quarters, the operator may revert to annual inspections. [District Rule 4623] Federally Enforceable Through Title V Permit	Continuous	Inspection	No leaks were determined during this reporting period.
Tank 55 (IFR) N-845-24-1	34. Any component found to be leaking on two consecutive annual inspections is in violation of this rule, even if covered under the voluntary inspection and maintenance program. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No leaks were determined during this reporting period.
Tank 55 (IFR) N-845-24-1	35. The permittee shall notify the APCO in writing at least three (3) days prior to performing tank degassing and interior tank cleaning activities. Written notification shall include the following: 1) the Permit to Operate number and physical location of the tank being degassed, 2) the date and time that tank degassing and cleaning activities will begin, 3) the degassing method, as allowed in this permit, to be used, 4) the method to be used to clean the tank, including any solvents to be used, and 5) the method to be used to dispose of any removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No degassing or tank cleaning activities took place during this reporting period.

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Tank 55 (IFR) N-845-24-1	36. During tank cleaning operations, draining and refilling of this tank shall occur as a continuous process and shall proceed as rapidly as practicable while the roof is not floating on the surface of the stored liquid. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No tank cleaning activities took place during this reporting period.
Tank 55 (IFR) N-845-24-1	37. Gap seal requirements shall not apply while the roof is resting on its legs, and during the processes of draining, degassing, or refilling the tank. A leak-free condition will not be required if the operator is draining or refilling this tank in a continuous, expeditious manner. (District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No roof landing events took place during this reporting period.
Tank 55 (IFR) N-845-24-1	38. After a tank has been degassed pursuant to the requirements of this permit, vapor control requirements are not applicable until an organic liquid having a TVP of 0.5 psia or greater is placed, held, or stored in this tank. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No degassing activities took place during this reporting period.
Tank 55 (IFR) N-845-24-1	39. While performing tank cleaning activities, operators may only use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees F, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams ofVOC per liter or less. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		No tank cleaning activities took place during this reporting period.
Tank 55 (IFR) N-845-24-1	40. Steam cleaning shall only be allowed at locations where wastewater treatment facilities are limited, or during the months of December through March. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		Steam cleaning was not performed during this reporting period.
Tank 55 (IFR) N-845-24-1	41. During sludge removal, the operator shall control emissions from the sludge receiving vessel by operating an APCO- approved vapor control device that reduces emissions of organic vapors by at least 95%. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		Sludge removal was not performed during this reporting period.
Tank 55 (IFR) N-845-24-1	42. The permittee shall only transport removed sludge in closed, liquid leak-free containers. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		Sludge removal was not performed during this reporting period.
Tank 55 (IFR) N-845-24-1	43. The permittee shall store removed sludge, until final disposal, in vapor leak-free containers, or in tanks complying with the vapor control requirements of District Rule 4623. Sludge that is to be used to manufacture roadmix, as defined in District Rule 2020, is not required to be stored in this manner. Roadmix manufacturing operations exempt pursuant to District Rule 2020 shall maintain documentation of their compliance with Rule 2020, and shall readily make said documentation available for District inspection upon request. [District Rules 2020 and 4623] Federally Enforceable Through Title V Permit	N/A		Sludge removal was not performed during this reporting period.
Tank 55 (IFR) N-845-24-1	44. For newly constructed, repaired, or rebuilt internal floating roof tanks, the permittee shall visually inspect the internal floating roof, and its appurtenant parts, fittings, etc. and measure the gaps of the primary seal and/or secondary seal prior to filling the tank for newly constructed, repair, or rebuilt internal floating roof tanks. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to filling the tank. [District Rule 4623, 40 CFR 60.113b(a)(I), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(I)] Federally Enforceable Through Title V Permit	Continuous	Visual Inspections	

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Tank 55 (IFR) N-845-24-1	45. The operator shall visually inspect, through the manholes, roof hatches, or other opening on the fixed roof, the internal floating roof and its appurtenant parts, fittings, etc., and the primary seal and/or secondary seal at least once every 12 months after the tank is initially filled with an organic liquid. There should be no visible organic liquid on the roof, tank walls, or anywhere. Other than the gap criteria specified by this rule, no holes, tears, or other openings are allowed that would permit the escape of vapors. Any defects found are violations of this rule.[District Rule 4623,40 CFR 60.113b(aX2), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(I)] Federally Enforceable Through Title V Permit	Continuous	Visual Inspections	
Tank 55 (IFR) N-845-24-1	46. The permittee shall conduct actual gap measurements of the primary seal and/or secondary seal at least once every 60 months. Other than the gap criteria specified by this permit, no holes, tears, or other openings are allowed that would permit the escape of hydrocarbon vapors. Any defects found shall constitute a violation of this rule. [District Rule 4623 and 40 CFR 63.11087(c)] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Inspections	
Tank 55 (IFR) N-845-24-1	47. If any failure (i.e. visible organic liquid on the internal floating roof, tank walls or anywhere, holes or tears in the seal fabric) is detected during 12 month visual inspection, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If the detected failure cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the APCO in the inspection report. Such a request must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible. [40 CFR 60.113b(aX2), 40 CFR 63.11087(c), and 40 CFR 63.11092(e)(I)] Federally Enforceable Through Title V Permit	N/A		No failures were determined during this reporting period.
Tank 55 (IFR) N-845-24-1	48. The permittee shall notify the District in writing at least 30 days prior to conduct the visual inspection of the storage vessel, so the District can arrange an observer. [40 CFR 60.113b(a)(5), 40 CFR 63.11087(c), and 40 CFR 63.11092(eXI)] Federally Enforceable Through Title V Permit	N/A		No degassing occurred during reporting period
Tank 55 (IFR) N-845-24-1	49. The permittee shall furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specification of 40 CFR Part 60.112b(aXI) and 40 CFR Part 60.113b(aXI) within 15 days after the initial startup of the equipment. [40 CFR 60.115b(aXI)] Federally Enforceable Through Title V Permit	Continuous		Report submitted on time.

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Tank 55 (IFR) N-845-24-1	50. The permittee shall submit the reports of the floating roof tank inspections to the APCO within five calendar days after the completion of the inspection only for those tanks that failed to meet the applicable requirements of Rule 4623, Sections 5.2 through 5.5. The inspection report for tanks that that have been determined to be in compliance with the requirements of Sections 5.2 through 5.5 need not be submitted to the APCO, but the inspection report shall be kept on-site and made available upon request by the APCO. The inspection report shall contain all necessary information to demonstrate compliance with the provisions of this rule, including the following: 1) Date the storage vessel was emptied, date of inspection and names and titles of company personnel doing the inspection. 2) Tank identification number and Permit to Operate number. 3) Observed condition of each component of the control equipment (seals, internal floating roof, and fittings).4) Measurements of the gaps between the tank shell and primary and secondary seals. 5) Leak free status of the tank and floating roof deck fittings. Records of the leak-free status shall include the vapor concentration values measured in parts per million by volume (ppmv). 6) Data, supported by calculations, demonstrating compliance with the requirements specified in Sections 5.4 and 5.5.2.4.3 of Rule 4623. 7) Nature of defects and any corrective actions or repairs performed on the tank in order to comply with rule 4623 and 40 CFR Part 60 Subpart Kb and the date(s) such actions were taken. [District Rule 4623, 40 CFR 60.115b(a), and 40 CFR 63.11087(e)] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Recordkeeping	Tanks have met applicable Kb requirements.
Tank 55 (IFR) N-845-24-1	51. Each calendar month, the owner or operator shall perform leak inspection of all equipment in gasoline service. Equipment in gasoline service is defined as a piece of equipment used in a system that transfers gasoline or gasoline vapors. For this inspection, detection methods incorporating sight, sound, and smell are acceptable. [40 CFR 63.11089(a)] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Inspections	
Tank 55 (IFR) N-845-24-1	52. For monthly leak inspection, a log book shall be used and shall be signed by the owner or operator 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 63.11089(b) and 40 CFR 63.11094(d)] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Tank 55 (IFR) N-845-24-1	53. The operator shall visually inspect the internal floating roof, the primary seal and/or secondary seal, gaskets, slotted membrane and/or sleeve seals each time the storage tank is emptied and degassed. If holes, tears, or openings in the primary seal, the secondary seal, the seal fabric or defects in the internal floating roof or its appurtenant parts, components, fittings, etc., are found, they shall be repaired prior to refilling the tank. [40 CFR 60.113b(aX4), 40 CFR 63.11087(c), and 40 CFR 63.11092(eX1)] Federally Enforceable Through Title V Permit	N/A		No degassing activities took place during this reporting period.

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Tank 55 (IFR) N-845-24-1	54. 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. Delay of repair of leaking equipment will be allowed if the repair is not feasible within 15 days. The owner or operator shall provide in the semiannual report the reason(s) why the repair was not feasible and the date each repair was completed. [40 CFR 63.11089(c) and (d), and 40 CFR 63.11095(a)(3)] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Recordkeeping	No leaks were determined during this reporting period.
Tank 55 (IFR) N-845-24-1	55. The permittee shall submit a semi-annual compliance report that contains all required information stipulated under 40 CFR 63.11095(a) to the Administrator and the District. [40 CFR 63.11095(a)] Federally Enforceable Through Title V Permit	Continuous	Work Practice/Reporting	NESHAP 6B report submitted.
Tank 55 (IFR) N-845-24-1	56. The permittee shall maintain a log book that contains the following information: 1.) dates of leak inspections, 2.) the nature of the leak and the method of detection; 3.) findings, 4.) corrective action (date each leak is repaired), 5.) repair methods applied in each attempt to repair the leak; 6.) the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak; 7.) the date of successful repair of the leak; and 8.) inspector name and signature. (40 CFR 63.11089(g), 40 CFR 63.11094(e), and 40 CFR 63.11095(aX3)] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Tank 55 (IFR) N-845-24-1	57. The permittee shall submit an excess emissions report that contains all required information that stipulated under 40 CFR 63.11095(b)(5) to the Administrator and the District. The excess emissions report shall be submitted along with the semi-annual compliance report.[40 CFR 63.11095(b)(S)] Federally Enforceable Through Title V Permit	N/A		No excess emissions were identified during this reporting period.
Tank 55 (IFR) N-845-24-1	58. The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel, and these records shall be kept for the life of the source. [40 CFR 60.116b(b)] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Tank 55 (IFR) N-845-24-1	59. The permittee shall maintain records of the volatile organic liquid stored, the period of storage, and TVP of that volatile organic liquid during the respective storage period. TVP shall be determined using the data on the Reid vapor pressure (highest receipt or highest tank sample results) and actual storage temperature. [District Rule 2201 and 40 CFR 60.ll6b(c)] Federally Enforceable Through Title V Permit	Continuous	Recordkeeping	
Tank 55 (IFR) N-845-24-1	60. The permittee shall maintain the records of the internal floating roof landing activities that are performed pursuant to Rule 4623, Section 5.3.1.3 and 5.4.3. The records shall include information on the TVP, API gravity, and type of organic liquid stored in the tank, the purpose of landing the roof on its legs, the date of roof landing, duration the roof was on its legs, the level or height at which the tank roof was set to land on its legs, and the lowest liquid level in the tank. [District Rule 4623] Federally Enforceable Through Title V Permit	N/A		There were no landing activities during this reporting period.

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COLUMN 1 **Permit Unit Number**	**COLUMN 2** **Permit Condition No.** **Specify each Permit Condition Number Sequentially**	**COLUMN 3** **Compliance Status during Period: "CONTINUOUS", "INTERMITTENT", OR "NOT IN COMPLIANCE"**	**COLUMN 4** **Method for determining Compliance Status.**	**COLUMN 5** **Additional Information: Identify each deviation, each possible exception to Compliance and each excursion or exceedance as defined in 40 CFR, Part 64.**
Tank 55 (IFR) N-845-24-1	61. All records shall be maintained on site for a period of at least five years and shall be made available for District, ARB, and EPA inspection upon request. [District Rules 1070, 2201, and 4623,40 CFR 60.116b(a), and 40 CFR 63.11094(a)] Federally Enforceable Through Title V Permit	Continuous	Work Practice	

Report of Required Monitoring

San Joaquin Valley
Unified Air Pollution Control District

Title V - REPORT OF REQUIRED MONITORING

In numerical order list all permitted units that are subject to an applicable monitoring requirement for which a deviation occurred during the reporting period. List monitoring requirements for a permit, each in a separate box, before moving on to the next permit number. Refer to the attached instructions.

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Reporting Period: from **May 1, 2015** through **October 31, 2015**	Page: 1 of 1

COLUMN 1 Permit Unit Number	COLUMN 2 Permit Condition # (Specify the Condition # for required monitoring)	COLUMN 3 Parameters Monitored (e.g. ppm NOx, exhaust temp –0F, etc.)	COLUMN 4 Periods of Deviation (Dates and Times)	COLUMN 5 Limit (e.g. 30 ppm, 10 psi, 25 lb/day, etc.)	COLUMN 6 Actual (e.g. 37.2 ppm, 3 psi, 30 lb/day, etc)	COLUMN 7 Deviation or Excess for Period of each Deviation (e.g. 7.2 ppm)	COLUMN 8 Notes (e.g. cause, corrective action, etc.)
N-845-4-2	9	Seal gap	4/11/2015	Cumulative length of gaps greater than 1/8 inch not to exceed 5% of tank circumference	Exceeded limit	Exceeded limit	An inspection of the secondary seal of Tank 1700 discovered that the cumulative length of all gaps greater than 1/8 inch exceeded 5% of the tank circumference. The deviation was detected at 9:00 am on April 11, 2015 and was fully repaired by 2:10 pm the same day. Upon determination of the non-compliance, TLO immediately took corrective action by applying secondary seal tensioners to repair the seal gaps and bring the secondary seal back into compliance with PTO N-845-4-2 Condition 9. The deviation occurred as a result of normal wear and tear that Tank 1700 has experienced. TLO was notified that the instance is considered a deviation by Jordan Cain (SJVAPCD) on September 11, 2015.

Cylinder Gas Audit Report

John Zink Company, LLC
Cylinder Gas Audit (CGA) Report
Quarterly CGA Audit

Date: 19-May-15
Customer: Tesoro
Location: Stockton
John Zink Tech: Doug Scherr

Start 1730 Stop 1820

CGA Passed

1. Methane Excluding Analyzer Yes / No (Circle one) If "No", complete #2, but not 3 below.

2. Propane Test

Initial Gas Audit	Actual Cylinder Mixture (from Certificate)	Gas Regulator Pressure ±1 psi	Cylinder Gas Pressure**	CGA Cylinder is EPA Protocol 1 Certified Gas (Yes/No)	Cylinder Certificate Number	Cylinder Gas Expiration Date	CEM Reading No. 1	CEM Reading No. 2	CEM Reading No. 3	CEM Reading Average	Drift from Cylinder Reading (%)
Low Level Propane (20% to 30% of Span)	0.5465	5	1800	Yes	CC408555	Mar-2021	0.57	0.57	0.57	0.57	-4.30%
High Level Propane (80% to 90% of Span)	1.02	5	1700	Yes	CC408505	Mar-2021	1.06	1.06	1.06	1.06	-3.92%

3. Methane Test

Initial Gas Audit	Actual Cylinder Mixture (from Certificate)	Gas Regulator Pressure ±1 psi	Cylinder Gas Pressure**	CGA Cylinder is EPA Protocol 1 Certified Gas (Yes/No)	Cylinder Certificate Number	Cylinder Gas Expiration Date	CEM Reading No. 1	CEM Reading No. 2	CEM Reading No. 3	CEM Reading Average	Drift from Cylinder Reading (%)
Low Level Methane (20% to 30% of Span)	1.35	5	1800	Yes	CC408555	Mar-2021	1.37	1.38	1.37	1.37	-0.98%
High Level Methane (80% to 90% of Span)	2.7	5	1700	Yes	CC408505	Mar-2021	2.7	2.72	2.69	2.70	-0.12%

* Note: If both the low and high level on the initial gas audit drifts are less than 15%, then only one audit is required.
** Note: If Cylinder Gas pressure is ±150 psi on cylinder, request replacement cylinder be ordered for next CGA test.

$$\% \text{ Drift} = \frac{\text{Certified Gas Reading} - \text{Actual Average}}{\text{Certified Gas Reading}} \times 100$$

4. Propane Re-test

Subsequent Gas Audit (If Required)	CEM Reading No. 1	CEM Reading No. 2	CEM Reading No. 3	CEM Reading Average	Drift from Cylinder Reading (%)
Low Level Propane (20% to 30% of Span)				#DIV/0!	#REF!
High Level Propane (80% to 90% of Span)				#DIV/0!	#REF!

5. Methane Re-test

Subsequent Gas Audit (If Required)	CEM Reading No. 1	CEM Reading No. 2	CEM Reading No. 3	CEM Reading Average	Drift from Cylinder Reading (%)
Low Level Methane (20% to 30% of Span)				#DIV/0!	#REF!
High Level Methane (80% to 90% of Span)				#DIV/0!	#REF!

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JOHN ZINK HAMWORTHY
COMBUSTION

CONTINUOUS EMISSION MONITOR SYSTEM (CEMS) QUARTERLY INSPECTION FORM

Sampling System

	Operation Checked	Corrective Action?
A. Vacuum pump operation		
a. Excessive noise from sample pump	✓	Y/N
b. Sample pump discharge pressure relief valve < 10 psi	✓	Y/N
c. Flow meter set between 1 and 2 SCFH:	✓	Y/N
d. Open all sample filters and clean or replace as necessary	✓	Y/N
e. Check filters for condensation and carbon dust	✓	Y/N
f. Test all sample tubing connections for leaks	✓	Y/N
g. Test check valve, if applicable	N/A	Y/N
B. Analyzer Inspection		
a. Display active and viewable	✓	Y/N
b. Display does not indicate analyzer error:	✓	Y/N
c. Discharge at analyzer exhaust unrestricted (no spiders other insects or nests.)	✓	Y/N
C. Recorder		
a. Recorder display illuminated and viewable?	✓	Y/N
b. All channels recording properly?	✓	Y/N
c. Media storage working properly?	✓	Y/N
d. Test enclosure heater, if applicable.	✓	Y/N
e. Any High High alarms on recorder?	✓ None	Y/N
f. Any High alarms on recorder?	✓ None	Y/N
D. Instrument Enclosure		
a. Check all switches (lubricate if necessary)	✓	Y/N
b. Tighten electrical connections	✓	Y/N
c. Cycle power, test if operation is restored	✓	Y/N
d. Condensation in enclosure present?	✓	Y/N
E. Span & Zero Gas Cylinders		
e. Check the expiration date of span gas cylinders and record dates	span ~~1.594~~ N/A	
b. Check the concentration values for span gas and record	1.594 % propane	
	2.992 % methane	
c. Check the zero air gas cylinder is Nitrogen.	Yes	Y/N
d. Read the regulator inlet pressure. Cylinder pressure should not be <150 psi.	800/1250	Y/N
e. Check the regulator outlet pressure. The pressure should be < 10 psi	✓	Y/N

The appropriate corrective action may be determined by the troubleshooting section of the owner's manual

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f. Are stainless steel regulators used ? ✓ Y/N

Calibration Gas Records

Gas	Cylinder Number	Calibration Gas Concentration	Cylinder Pressure	Expiration Date	Certificate Valid
Nitrogen	SG9138328	OAI Zero	800	N/A	N/A
Span	SG9147295	1.59 / 2.99	1300	N/A	Yes

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John Zink Company, LLC
Cylinder Gas Audit (CGA) Report
Quarterly CGA Audit

Date: 18-Aug-2015
Customer: Tesoro
Location: Stockton CA
John Zink Tech: Doug Scherr

CGA Passed
Calibrated @ 4:45

1. Methane Excluding Analyzer Yes / No (Circle one) If "No", complete #2, but not 3 below.

2. Propane Test

Initial Gas Audit	Actual Cylinder Mixture (from Certificate)	Gas Regulator Pressure ≤7 psi	Cylinder Gas Pressure**	CGA Cylinder is EPA Protocol 1 Certified Gas (Yes/No)	Cylinder Certificate Number	Cylinder Gas Expiration Date	CEM Reading No. 1	CEM Reading No. 2	CEM Reading No. 3	CEM Reading Average	Drift from Cylinder Reading (%)
Low Level Propane (20% to 30% of Span)	0.547	6	2000	YES	CC408555	Mar-2021	0.57	0.57	0.57	0.57	-4.20%
High Level Propane (50% to 60% of Span)	1.02	6	2000	YES	CC408505	Mar-2021	1.07	1.07	1.07	1.07	-4.90%

3. Methane Test

Initial Gas Audit	Actual Cylinder Mixture (from Certificate)	Gas Regulator Pressure ≤7 psi	Cylinder Gas Pressure**	CGA Cylinder is EPA Protocol 1 Certified Gas (Yes/No)	Cylinder Certificate Number	Cylinder Gas Expiration Date	CEM Reading No. 1	CEM Reading No. 2	CEM Reading No. 3	CEM Reading Average	Drift from Cylinder Reading (%)
Low Level Methane (20% to 30% of Span)	1.36	6	2000	YES	CC408555	Mar-2021	1.35	1.35	1.35	1.35	0.74%
High Level Methane (50% to 60% of Span)	2.70	6	2000	YES	CC408505	Mar-2021	2.7	2.69	2.68	2.69	0.37%

* Note: If both the low and high level on the initial gas audit drifts are less than 15%, then only one audit is required.
** Note: If Cylinder Gas pressure is ≤150 psi on cylinder, request replacement cylinder be ordered for next CGA test.

$$\% \text{ Drift} = \frac{\text{Certified Gas Reading} - \text{Actual Average}}{\text{Certified Gas Reading}} \times 100$$

4. Propane Re-test

Subsequent Gas Audit (If Required)	CEM Reading No. 1	CEM Reading No. 2	CEM Reading No. 3	CEM Reading Average	Drift from Cylinder Reading (%)
Low Level Propane (20% to 30% of Span)				#DIV/0!	#REF!
High Level Propane (50% to 60% of Span)				#DIV/0!	#REF!

5. Methane Re-test

Subsequent Gas Audit (If Required)	CEM Reading No. 1	CEM Reading No. 2	CEM Reading No. 3	CEM Reading Average	Drift from Cylinder Reading (%)
Low Level Methane (20% to 30% of Span)				#DIV/0!	#REF!
High Level Methane (50% to 60% of Span)				#DIV/0!	#REF!

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JOHN ZINK HAMWORTHY
COMBUSTION

CONTINUOUS EMISSION MONITOR SYSTEM (CEMS)
QUARTERLY INSPECTION FORM

Sampling System

	Operation Checked	Corrective Action?
A. Vacuum pump operation		
a. Excessive noise from sample pump	✓	Y/N
b. Sample pump discharge pressure relief valve < 10 psi	✓	Y/N
c. Flow meter set between 1 and 2 SCFH:	✓	Y/N
d. Open all sample filters and clean or replace as necessary	✓	Y/N
e. Check filters for condensation and carbon dust	✓	Y/N
f. Test all sample tubing connections for leaks	✓	Y/N
g. Test check valve, if applicable	N/A	Y/N
B. Analyzer Inspection		
a. Display active and viewable	✓	Y/N
b. Display does not indicate analyzer error:	✓	Y/N
c. Discharge at analyzer exhaust unrestricted (no spiders other insects or nests.)	✓	Y/N
C. Recorder		
a. Recorder display illuminated and viewable?	✓	Y/N
b. All channels recording properly?	✓	Y/N
c. Media storage working properly?	✓	Y/N
d. Test enclosure heater, if applicable.	✓	Y/N
e. Any High High alarms on recorder?	none	Y/N
f. Any High alarms on recorder?	none	Y/N
D. Instrument Enclosure		
a. Check all switches (lubricate if necessary)	N/A	Y/N
b. Tighten electrical connections	✓	Y/N
c. Cycle power, test if operation is restored	✓	Y/N
d. Condensation in enclosure present?	none	Y/N
E. Span & Zero Gas Cylinders		
e. Check the expiration date of span gas cylinders and record dates	span N/A	
b. Check the concentration values for span gas and record	6.59 % propane 2.99 % methane	
c. Check the zero air gas cylinder is Nitrogen.	yes	Y/N
d. Read the regulator inlet pressure. Cylinder pressure should not be <150 psi.	✓	Y/N
e. Check the regulator outlet pressure. The pressure should be < 10 psi	✓ 6 psi	Y/N

The appropriate corrective action may be determined by the troubleshooting section of the owner's manual

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f. Are stainless steel regulators used ? Yes Y/N

Calibration Gas Records

Gas	Cylinder Number	Certified Cylinder Composition	Cylinder Pressure	Expiration Date	Certificate Uploaded
Zero	EGGGS	Zero	600	N/A	N/A
Methane	SG 149245BAL	2.99	1100	N/A	✓
Propane	" "	1.59	1100	N/A	✓

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