DES
DEPARTMENT OF ENVIRONMENT AND SUSTAINABILITY
air quality desert conservation PROGRAM sustainability

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PART 70 OPERATING PERMIT

SOURCE ID: 13

CALNEV Pipe Line LLC
5049 North Sloan Avenue
Las Vegas, NV 89115

ISSUED ON: June 1, 2017 **EXPIRES ON: May 31, 2022**

REVISED ON: November 17, 2021

Current action: Reopening for Cause

Issued to:
CALNEV Pipe Line LLC Products EHS Compliance
1001 Louisiana Street
Suite 1000
Houston, Texas 77002

Responsible Official:
John Thomasson, Director of Operations
PHONE: (909) 873-5167 FAX: (909) 877-5593
EMAIL: johnny_thomasson@kindermorgan.com

NATURE OF BUSINESS:
SIC Code: 4226 - Petroleum and Chemical Bulk Stations and Terminals for Hire
NAICS: 424710 - Petroleum Bulk Stations and Terminals

Issued by the Clark County Department of Environment and Sustainability in accordance with Section 12.5 of the Clark County Air Quality Regulations.

Theodore A. Lendis, Permitting Manager

EXECUTIVE SUMMARY

Calnev Pipe Line LLC is a bulk fuel storage and transfer operation located in Hydrographic Area 212. The source is classified as a Categorical Stationary Source, as defined by AQR 12.2.2(j)(23): Petroleum storage and transfer units with total storage capacity exceeding 300,000 barrels. The source is a major stationary source for VOC pollutants and a minor source for all other criteria pollutants and HAP. The Las Vegas Valley Hydrographic Basin 212 was designated marginal nonattainment for ozone on August 3, 2018. The designation resulted in a reclassification of the source from PSD to Nonattainment NSR. The source consists of petroleum storage tanks, vapor holding tank, loading lanes, diesel-powered air compressor, diesel-powered fire pump, cooling tower, wastewater treatment system, and haul roads. The source falls under SIC Code 5171: Petroleum Bulk Stations and Terminals and NAICS Code 424710: Petroleum Bulk Stations and Terminals. The source is subject to 40 CFR Part 60, Subparts K, Kb, and XX, 40 CFR Part 63, Subparts ZZZZ, and BBBBBB, and 40 CFR Part 64.

Fuels are delivered to the site by two underground pipelines originating in southern California. Incoming fuels are diverted to storage tanks. From these storage vessels fuels are piped to other terminals or loaded onto delivery trucks. As the trucks are filled, specialized additives are injected according to customer's specifications.

This Part 70 Operating Permit is issued based on the Title V Renewal application submitted on April 28, 2016. Pursuant to AQR 12.5.2 all terms and conditions in Sections I through V and Attachment 1 in this permit are federally enforceable unless explicitly denoted otherwise.

The following table summarizes the source PTE for each regulated air pollutant for all emission units addressed by this Part 70 Operating Permit:

PM_{10}	$PM_{2.5}$	NO_X	CO	SO_2	VOC	HAP
6.80	**0.12**	**3.26**	**2.55**	**0.18**	**187.41**	**9.23**

TABLE OF CONTENTS

I. ACRONYMS 4

II. GENERAL CONDITIONS 5
A. General Requirements 5
B. Modification, Revision, Renewal Requirements 6
C. Reporting/Notifications/Providing Information Requirements 6
D. Compliance Requirements 7
E. Performance Testing Requirements 9

III. EMISSION UNITS AND APPLICABLE REQUIREMENTS 9
A. Emission Units 9
B. Emission Limitations and Standards 13
1. Emission Limits 13
2. Operation Limits 14
3. Emission Controls 15
C. Monitoring 20
D. Testing 26
E. Record Keeping 27
F. Reporting 30
G. Mitigation 32

IV. OTHER REQUIREMENTS 32

V. PERMIT SHIELD 33

ATTACHMENT 1 33

I. ACRONYMS

Table I-1: List of Acronyms and Abbreviations

Term	
API	American Petroleum Institute
Air Quality	Clark County Department of Air Quality
AQR	Clark County Air Quality Regulations
AST	Aboveground Storage Tank
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CAM	Compliance Assurance Monitoring
CEMS	Continuous Emissions Monitoring System
CFR	United States Code of Federal Regulations
CO	Carbon Monoxide
DOM	Date of Manufacture
EPA	United States Environmental Protection Agency
EU	Emission Unit
FBR	Fluidized Bed Reactor
FR	Fixed Roof
HAP	Hazardous Air Pollutant
HP	Horse Power
JZVRU	John Zink Vapor Recovery Unit
kW	Kilowatt
M/N	Model Number
MTBE	Methyl Tertiary Butyl Ether
NAICS	North American Industry Classification System
NO_x	Nitrogen Oxides
NRS	Nevada Revised Statutes
OP	Operating Permit
OWS	Oil Water Separator
PID	Photoionization Detector
$PM_{2.5}$	Particulate Matter less than 2.5 microns
PM_{10}	Particulate Matter less than 10 microns
ppm	Parts per Million
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
RATA	Relative Accuracy Test Audits
RT	Round Trip
RVP	Reid Vapor Pressure
SIC	Standard Industrial Classification
SIP	State Implementation Plan
S/N	Serial Number
SO_2	Sulfur Dioxide
TPH	Total Petroleum Hydrocarbons
TVP	True Vapor Pressure
UST	Underground Storage Tank
UTM	Universal Transverse Mercator
VOC	Volatile Organic Compound

II. GENERAL CONDITIONS

A. General Requirements

1. The Permittee shall comply with all conditions of the Part 70 Operating Permit. Any permit noncompliance may constitute a violation of the Clark County Air Quality Regulations, Nevada law, and the Clean Air Act and is grounds for the following: enforcement action; permit termination; revocation and re-issuance; revision; or denial of a permit renewal application. *[AQR 12.5.2.6(g)(1)]*
2. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall not be affected and shall remain valid. *[AQR 12.5.2.6(f)]*
3. The Permittee shall pay all permit fees pursuant to AQR Section 18. *[AQR 12.5.2.6(h)]*
4. The permit does not convey any property rights of any sort, or any exclusive privilege. *[AQR 12.5.2.6(g)(4)]*
5. The Permittee agrees to allow inspection of the premises, to which this permit relates, by the Control Officer at any time during the Permittee's hours of operation without prior notice. The Permittee shall not obstruct, hamper or interfere with any such inspection. *[AQR 4.3.3; AQR 4.9; AQR 5.1.1; AQR 12.5.2.8(b)]*
6. The Permittee shall allow the Control Officer, upon presentation of credentials to: *[AQR 4.3; 12.5.2.8(b)]*
    a. Have access to and copy any records that must be kept under the conditions of the permit;
    b. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
    c. Sample or monitor substances or parameters for the purpose of assuring compliance with the permit or applicable requirements; and
    d. Document alleged violations using devices such as cameras or video equipment.
7. Any Permittee who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. In addition, the Permittee shall provide additional information as necessary to address any requirements that become applicable to the source after the date it filed a complete application but prior to release of a draft permit. A responsible official shall certify the additional information consistent with the requirements of AQR Section 12.5.2.4. *[AQR 12.5.2.2]*
8. The Permittee who has been issued a permit under Section 12.5 shall post such permit in a location which is clearly visible and accessible to the facility's employees and representatives of the department. *[AQR 12.5.2.6(m)]*

B. Modification, Revision, Renewal Requirements

1. No person shall begin actual construction of a New Part 70 source, or modify or reconstruct an existing Part 70 source that falls within the preconstruction review applicability criteria, without first obtaining an ATC Permit from the Control Officer *[AQR 12.4.1.1(a)]*
2. The permit may be revised, revoked, reopened and reissued, or terminated for cause. The filing of a request by the Permittee for a permit revision, revocation, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[AQR 12.5.2.6(g)(3)]*
3. A permit, permit revision, or renewal may be approved only if all of the following conditions have been met: *[AQR 12.5.2.10(a)]*
    a. The Permittee has submitted to the Control Officer a complete application for a permit, permit revision, or permit renewal, except that a complete application need not be received before a Part 70 general permit is issued pursuant to Section 12.5.2.20; and
    b. The conditions of the permit provide for compliance with all applicable requirements and the requirements of Section 12.5
4. The Permittee shall not build, erect, install or use any article, machine, equipment or other contrivance, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere reduces or conceals an emission, which would otherwise constitute a violation of an applicable requirement. *[AQR 80.1 and 40 CFR 60.12]*
5. No permit revisions shall be required under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in the permit. *[AQR 12.5.2.6(i)]*
6. Permit expiration terminates the Permittee's right to operate unless a timely and complete renewal application has been submitted. *[AQR 12.5.2.11(b)]*
7. For purposes of permit renewal, a timely application is a complete application that is submitted at least six (6) months and not greater than eighteen (18) months prior to the date of permit expiration. If a source submits a timely application under this provision, it may continue operating under its current Part 70 Operating Permit until final action is taken on its application for a renewed Part 70 Operating Permit. *[AQR 12.5.2.1(a)(2)]*

C. Reporting/Notifications/Providing Information Requirements

1. The Permittee shall submit all compliance certifications to EPA and to the Control Officer. *[AQR 12.5.2.8(e)(4)]*
2. Any application form, report, or compliance certification submitted to the Control Officer pursuant to the permit or AQRs shall contain certification by a responsible official of truth, accuracy, and completeness. This certification and any other certification required under AQR 12.5 shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *[AQR 12.5.2.6(l)]*

3. The Permittee shall furnish to the Control Officer, within a reasonable time, any information that the Control Officer may request in writing to determine whether cause exists for revising, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the Permittee shall also furnish to the Control Officer 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 the Administrator along with a claim of confidentiality. *[AQR 12.5.2.6(g)(5)]*

4. Upon request of the Control Officer, the Permittee shall provide such information or analyses as will disclose the nature, extent, quantity or degree of air contaminants which are or may be discharged by such source, and type or nature of control equipment in use, and the Control Officer may require such disclosures be certified by a professional engineer registered in the state. In addition to such report, the Control Officer may designate an authorized agent to make an independent study and report as to the nature, extent, quantity or degree of any air contaminants which are or may be discharged from the source. An authorized agent so designated is authorized to inspect any article, machine, equipment, or other contrivance necessary to make the inspection and report. *[AQR 4.4]*

5. The Permittee shall submit annual emissions inventory reports based on the following: *[AQR 18.6.1]*

   a. The annual emissions inventory must be submitted to Air Quality by March 31 of each calendar year; and

   b. The report shall include the emission factors and calculations used to determine the emissions from each permitted emission unit, even when an emission unit is not operated.

6. Stationary sources that emit 25 tons or more of nitrogen oxide (NOx) and/or 25 tons or more of volatile organic compounds (VOCs) during a calendar year from emission units, insignificant activities, and exempt activities shall submit an annual emissions statement for both pollutants. This statement must include actual annual NOx and VOC emissions from all activities, including emission units, insignificant activities, and exempt activities. Emissions statements are separate from, and additional to, the calculated annual emissions reported each year for all regulated air pollutants (i.e., the emissions inventory report). *[AQR 12.9.1*]

D. Compliance Requirements

1. The Permittee shall not use as a defense 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 this permit. *[AQR 12.5.2.6(g)(2)]*

2. Any person who violates any provision of the AQR, including, but not limited to, any application requirement; any permit condition; any fee or filing requirement; any duty to allow or carry out inspection, entry or monitoring activities or any requirements by Air Quality is guilty of a civil offense and shall pay civil penalty levied by the Air Pollution Control Hearing Board and/or the Hearing Officer of not more than $10,000. Each day of violation constitutes a separate offense. *[AQR 9.1; NRS 445B.640]*

3. Any person aggrieved by an order issued pursuant to AQR Section 9.1 is entitled to review as provided in Chapter 233B of NRS. *[AQR 9.12]*

4. The Permittee shall comply with the requirements of 40 CFR 61, Subpart M, of the National Emission Standard for Asbestos for all demolition and renovation projects. *[AQR 13.1(b)(8)]*

5. The Permittee shall certify compliance with terms and conditions contained in the Part 70 Operating Permit, including emission limitations, standards, work practices, and the means for monitoring such compliance. *[AQR 12.5.2.8(e)]*

6. The Permittee shall submit compliance certifications annually in writing to the Control Officer (4701 W Russell Road, Suite 200, Las Vegas, NV 89118) and the Administrator at USEPA Region IX (Director, Air and Toxics Divisions, 75 Hawthorne St., San Francisco, CA 94105). A compliance certification for each calendar year will be due on January 30th of the following year and shall include the following: *[AQR 12.5.2.8(e)]*

    a. The identification of each term or condition of the permit that is the basis of the certification;

    b. The identification of the methods or other means used by the Permittee for determining the compliance status with each term and condition during the certification period. The methods and means shall include, at a minimum, the monitoring and related recordkeeping and reporting requirements described in 40 CFR 70.6(a)(3). If necessary, the Permittee shall also identify any other material information that must be included in the certification to comply with Section 113(c)(2) of the Act, which prohibits knowingly making a false certification or omitting material information; and

    c. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the methods or means designated in subsection II.D.6(b). The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify, as possible exceptions to compliance, any periods during which compliance is required and in which an excursion or exceedance, as defined under 40 CFR Part 64, occurred.

7. The Permittee shall report to the Control Officer (4701 West Russell Road, Suite 200, Las Vegas, NV 89118) any startup, shutdown, malfunction, emergency or deviation which cause emissions of regulated air pollutants in excess of any limits set by regulation or by this permit. The report shall be in two parts as specified below: *[AQR 12.5.2.6(d)(4)(B); AQR 25.6.1]*

    a. within twenty-four (24) hours of the time the Permittee learns of the excess emissions, the report shall be communicated by phone (702) 455-5942, fax (702) 383-9994, or email: airquality@clarkcountynv.gov; and

    b. within seventy-two (72) hours of the notification required by paragraph (a) above, the detailed written report containing the information required by AQR Section 25.6.3 shall be submitted.

8. The Permittee shall report to the Control Officer with the semiannual monitoring report all deviations from permit conditions that do not result in excess emissions, including those attributable to malfunction, startup, or shutdown. Reports shall identify the probable cause of each deviation and any corrective actions or preventative measures taken. *[AQR 12.5.2.6(d)(4)(B)]*

9. The owner or operator of any source required to obtain a permit under Section 12 shall report to the Control Officer emissions that are in excess of an applicable requirement or emission limit that pose a potential imminent and substantial danger to public health, safety or the environment as soon as possible, but in no case later than twelve (12) hours after the deviation is discovered, with a written report submitted within two (2) days of the occurrence. *[AQR 25.6.2]*

E. Performance Testing Requirements

1. Upon request of the Control Officer, the Permittee shall test or have tests performed to determine the emissions of air contaminants from any source whenever the Control Officer has reason to believe that an emission in excess of that allowed by the Air Quality regulations is occurring. The Control Officer may specify testing methods to be used in accordance with good professional practice. The Control Officer may observe the testing. All tests shall be conducted by reputable, qualified personnel. *[AQR 4.5]*
2. Upon request of the Control Officer, the Permittee shall provide necessary holes in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices, as may be necessary for proper determination of the emission of air contaminants. *[AQR 4.6]*
3. The Permittee shall submit for approval a performance testing protocol which contains testing, reporting, and notification schedules, test protocols, and anticipated test dates to the Control Officer (4701 West Russell Road, Suite 200, Las Vegas, NV 89118) not less than 45, nor more than 90 days prior to the anticipated date of the performance test, unless otherwise specified in Section III.D. *[AQR 12.5.2.8]*
4. The Permittee shall submit to EPA for approval any alternative test methods that are not already approved by EPA, to demonstrate compliance with a requirement under 40 CFR Part 60. *[40 CFR 60.8(b)]*
5. The Permittee shall submit a report describing the results of each performance test to the Control Officer within 60 days from the end of the performance test. *[12.5.2.8]*

III. EMISSION UNITS AND APPLICABLE REQUIREMENTS

A. Emission Units

1. The stationary source covered by this Part 70 OP consists of the emission units and associated appurtenances summarized in Table III-A-1. *[AQR 12.5.2.3]*

Table III-A-1: List of Emission Units

EU	Source ID No.	Rating	Description	Product Stored
Bulk Petroleum Storage Tanks				
A01	Tank 530	11,200 bbl	External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A02	Tank 531	12,890 bbl	External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel

EU	Source ID No.	Rating	Description	Product Stored
A03	Tank 532	8,080 bbl	External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A04	Tank 533	11,330 bbl	External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A05	Tank 534	8,080 bbl	External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A06	Tank 535	8,080 bbl	External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A07	Tank 536	17,550 bbl	External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A08	Tank 537	22,250 bbl	External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A09	Tank 538	11,330 bbl	External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A10	Tank 539	11,330 bbl	External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A11	Tank 540	16,320 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A12	Tank 541	25,100 bbl	Domed External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A13	Tank 524	18,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A14	Tank 542	45,000 bbl	Internal Floating Roof AST w/Primary Seal	Diesel and Biodiesel
A15	Tank 543	35,000 bbl	Internal Floating Roof AST w/Primary Seal	Diesel and Biodiesel
A16	Tank 545	37,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A17	Tank 546	40,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A18	Tank 522	4,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Denatured Alcohol
A19	Tank 525	50,000 bbl	Fixed Roof AST	Diesel and Biodiesel
A20	Tank 526	50,000 bbl	Fixed Roof AST	Diesel and Biodiesel
A21	Tank 547	50,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A22	Tank 512	50,000 bbl	Fixed Roof AST	JP-8, Diesel, and Biodiesel
A23	Tank 510	40,000 bbl	External Floating Roof AST w/Primary Seal	JP-8, Diesel, and Biodiesel
A24	Tank 511	40,000 bbl	External Floating Roof AST w/Primary Seal	JP-8, Diesel, and Biodiesel
A27	Tank 501	4,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Denatured Ethanol

EU	Source ID No.	Rating	Description	Product Stored
A28	Tank 523	10,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A29	Tank 544	11,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A45	Tank 548	12,890 bbl	Domed External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A46	Tank 549	12,890 bbl	Domed External Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A47	Tank 550	20,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A48	Tank 551	10,100 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A56	Tank 513	50,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Jet A, Diesel, and Biodiesel
A57	Tank 514	50,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Jet A, Diesel, and Biodiesel
A58	Tank 553	80,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A59	Tank 554	80,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A60	Tank 555	80,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
A61	Tank 552	40,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
B04	Tank 500	3,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
B05	Tank 521	5,000 bbl	Internal Floating Roof AST w/Primary and Secondary Seal	Gasoline, Diesel/Biodiesel, Denatured Ethanol, Transmix, Aviation Gasoline and Jet Fuel
Additive Storage Tanks				
A25	ASA Conductivity Improver	1.3 bbl	Fixed Roof AST	Jet Fuel Additive
A26	Tank 500AIA	252 bbl	Fixed Roof AST	Jet Fuel Additive
A30	Tank 533A	252 bbl	Fixed Roof AST	Gasoline Additive
A31	Tank 537A	464 bbl	Fixed Roof AST	Gasoline Additive
A32	Tank 541A	380 bbl	Fixed Roof AST	Gasoline Additive
A33	Tank 541B	380 bbl	Fixed Roof AST	Gasoline Additive
A34	Tank 542D	215 bbl	Fixed Roof AST	Gasoline Additive
A35	Tank 542A	143 bbl	Fixed Roof AST	Gasoline Additive
A36	Tank 531A	143 bbl	Fixed Roof AST	Lubricity
A37	Tank 542C	12 bbl	Fixed Roof AST	Diesel Dye
A38	Tank 537B	447 bbl	Fixed Roof AST	Gasoline Additive
A39	Tank 531B	119 bbl	Fixed Roof AST	Gasoline Additive
A49	Tank 542B	4 bbl	Fixed Roof AST	Red Dye

EU	Source ID No.	Rating	Description	Product Stored
A53	Tank 548B	238 bbl	Fixed Roof AST	Gasoline Additive
A54	Tank 548A	238 bbl	Fixed Roof AST	Gasoline Additive
H10	Tank 500B	10,000 gal	Fixed Roof vertical AST	Jet Fuel Additive
H14	ASA Tote	350 gal	Fixed Roof Rectangular AST	Antistatic Agent
H15	CI Tote	350 gal	Fixed Roof Rectangular AST	Corrosion Inhibitor
H16	Lane 7 Red Dye Tote	350 gal	Fixed Roof Rectangular AST	Red Dye BK-50
H17	Lane 12 Red Dye Tote	350 gal	Fixed Roof Rectangular AST	Red Dye Additive
Loading Racks				
B01	Loading Racks	35,379,927 bbl per year	15 Loading Lanes	All Petroleum Products Stored on Site are Dispensed through Loading Racks
Fuel Unloading				
B01A	B-100	147,168,000 gallons/yr	Biodiesel Offloading Rack	
H09	Ethanol	76,104,000 gal/year	Ethanol unloading system	
Vapor Recovery Units				
B02	John Zink VRU		Vapor control unit; loading lanes	
B10	Flare Processing		Vapor control unit for loading lanes (includes saturator and vapor holding tank)	
SR04	SVE and GW Treatment System		Soil Vapor Extraction and Groundwater Treatment System (includes control units)	
Underground Storage Tanks				
H02	Mainline Sump	1,000 gal	Mainline Sump UST	Multiproduct
H03	Rack Sump	3,000 gal	Rack Sump UST	Multiproduct
H04	Mainline Sump	4,200 gal	New Mainline Sump UST	Multiproduct
H06	Nellis Sump	2,000 gal	Nellis Delivery System Sump, UST	Jet Fuel
H07	Rack Sump	1,000 gal	Rack 6 Sump, UST	Diesel and Biodiesel
H08	QC Sump	100 gal	Quality Control Lab Sump UST	Multiproduct
Miscellaneous Tanks				
D01	Tank DG	250 gal	Fixed Roof AST	Diesel and Biodiesel
H11	OWS Tank		Oil-water separator tank	Oil and Water
H12	OST-100-DW	1,000 gal	Fixed Roof Horizontal AST w/Dual Wall	Oil
Miscellaneous Emission Units				
B06	Piping and Fittings		Misc. Losses/Leaks from Valves, Flanges, Pumps and VCU	
E01	Haul Road	0.5 mi RT	Paved Haul Road	
H05	Cooling Tower	220 gpm	Baltimore Aircoil; M/N: F2841KE; S/N: U013422001MAD	

Internal Combustion Engines					
EU	**Rating**	**Description**	**Manufacturer**	**Model Number**	**Serial Number**
B11	48 hp	Air Compressor	Ingersoll Rand	P185WJD	
		Diesel Engine; DOM: 2000	John Deere		
D02	208 hp	Fire Pump	Peerless	8AFF170	667235
		Diesel Engine; DOM 1990	Cummins		

Table III-A-2: Insignificant Activities

Equipment	Description
Tank 476	Wastewater
Tank 479	Free Product Extracted from Wells of the Groundwater System
Tank 535-A	Diesel Lubricity Additive Storage Tank, 10,000 gallons, 0.026 psia
Underground Storage Tanks (2)	Wastewater Runoff Collection
B-100 Prover	Portable Prover for B-100 fuel
Nellis Line Prover	Horizontal Loop Piping Circuit
Main Line Prover	Horizontal Loop Piping Circuit
Water Surge Tank	Wastewater Treatment (Oil and Water Separator)
Parts Washer	R&D Fountain Industries Company; 3.5 Gallon Tub; 35”W x 24”L x 17”D
Evaporation Tank/Pond	Wastewater Evaporation
Service Roads	Paved and Unpaved Internal Facility Service Roads

B. Emission Limitations and Standards

1. Emission Limits

a. The Permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20 percent opacity for a period of more than 6 consecutive minutes. *[AQR 26.1.1]*

b. The Permittee shall operate the vapor collection system (EU: B02) so that the emissions to the atmosphere do not exceed 2.4 milligrams of total volatile organic compounds per liter of gasoline (0.02 lbs/1,000 gallon of product loaded) over a four hour average. *[NSR ATC/OP 13, Modification 6, Condition III-A-22 (03/29/2004)]*

c. The Permittee shall operate the soil vapor extraction and groundwater treatment system (EU: SR04) so that the emissions to the atmosphere do not emit any visible black or white smoke, in the event that the combustion unit is operated. *[NSR ATC/OP 13, Modification 6, Condition III-E-17 (03/29/2004)]*

d. The Permittee shall not exceed the limitations in Table III-B-1 irrespective of the control efficiency, in the event that the combustion unit is operated. *[NSR ATC/OP 13, Modification 6, Condition III-A-26 (03/29/04)]*

Table III-B-1: Emission Limits for Soil Vapor Extraction and Groundwater Treatment System (lbs/hour)

PM_{10}	NO_X	CO	SO_2	VOC	HAP
0.02	0.29	0.17	0.01	8.60	0.01

2. Operation Limits

Storage Tanks

a. The Permittee shall limit the total annual tank throughput of all tanks identified in Table III-B-1 to 107,250,127 barrels (4,504,505,338 gallons) in any consecutive 12-month period. *[NSR ATC/OP All Modifications and AQR 12.5]*

b. The Permittee shall limit the throughput of individual tanks to the amounts identified in Table III-B-2 in any consecutive 12-month period. *[NSR ATC/OP 13, Modification 6, Condition III-A-3 (03/29/2004)]*

Table III-B-2: Storage Tank Throughputs

EU	Annual Throughput (gallons)	EU	Annual Throughput (gallons)
Bulk Storage Tanks			
A01	28,560,000	A27	9,540,000
A02	32,460,000	A28	23,580,000
A03	20,340,000	A29	27,720,000
A04	28,560,000	A45	32,460,000
A05	20,340,000	A46	32,460,000
A06	20,340,000	A47	70,000,000
A07	44,220,000	A48	50,400,000
A08	90,000,000	A56	189,000,000
A09	28,560,000	A57	189,000,000
A10	50,000,000	A58	302,400,000
A11	137,000,000	A59	604,800,000
A12	864,000,000	A60	604,800,000
A13	50,760,000	A61	126,000,000
A14	118,500,000	B04	7,560,000
A15	114,660,000	B05	12,720,000
A16	88,200,000	D01	25,000
A17	100,800,000	H02	302,400
A18	9,000,000	H03	806,400
A19	350,000,000	H04	100,800
A20	220,500,000	H06	75,600
A21	100,800,000	H07	36,000
A22	126,000,000	H08	7,200
A23	100,800,000	H11	15,768,000
A24	100,800,000	H12	365,000
Fuel Additive Tanks			
A25	5,040	A38	95,949
A26	95,949	A39	44,100
A30	95,949	A49	5,040
A31	95,949	A53	57,519
A32	148,050	A54	95,949
A33	148,050	H10	132,000
A34	81,207	H14	390
A35	79,286	H15	3,300
A36	55,661	H16	6,150
A37	5,040	H17	6,150

Loading Racks

c. The Permittee shall limit the total throughput (all petroleum products) to the loading racks (EU: B01) to 35,379,927 barrels (1,485,956,934 gallons) in any consecutive 12-month period. *[NSR ATC/OP 13, Modification 6, Condition III-A-2 (03/29/2004)]*

d. The Permittee shall limit the total throughput of gasoline to the two loading racks and 15 lanes (EU: B01) to 23,268,531 barrels (977,278,302 gallons) in any consecutive 12-month period. *[NSR ATC/OP 13, Modification 6, Condition III-A-2 (03/29/2004)]*

Offloading Rack

e. The Permittee shall limit total throughput of the B-100 offloading rack (EU: B01A) to 147,168,000 gallons in any consecutive 12-month period. *[AQR 12.4.3.1(e)(10) and AQR 12.5.2(a)]*

Loading Racks: Auxiliary Flare

f. The Permittee shall limit operation of the auxiliary flare (EU: B10) to 438 hours in any consecutive 12-month period. *[NSR ATC/OP 13, Modification 6, Condition III-A-4 (03/29/2004)]*

Ethanol Unloading System

g. The Permittee shall limit the amount of ethanol unloaded through the ethanol loading system (EU: H09) to 76,104,000 gallons in any consecutive 12-month period. *[NSR ATC 13, Modification 21, Condition IV-2-b (08/31/2010)]*

Haul Road (EU: E01)

h. The Permittee shall limit the haul travel to a maximum of 173,375 tanker trucks in any consecutive 12-month period. The haul road distance shall not exceed one-half mile round trip. *[AQR 12.5.2.6(a)]*

Engines/Air Compressor/Fire Pump

i. The Permittee shall limit operation of the diesel-powered air compressor to 100 hours per year (EU: B11). *[Title V Revision Application April 22, 2014]*

j. The Permittee shall limit the operation of the diesel-powered fire pump (EU: D02) for testing and maintenance purposes to 100 hours per year. The Permittee may operate the fire pump up to 50 hours per year for nonemergency situations, but those hours count towards the 100 hours provided for testing and maintenance. *[40 CFR 63.6640]*

3. Emission Controls

General Requirements

a. The Permittee shall comply with all applicable control requirements of 40 CFR 60, Subparts A, K, Kb, and XX; 40 CFR Part 80; and 40 CFR Part 63, Subpart BBBBBB. *[NSR ATC/OP 13, Modification 6, Condition III-A-1 (03/29/2004)]*

Storage Tanks

b. The Permittee is subject to Subpart K and is required to store petroleum liquids in accordance with the emission standards for storage vessels (EUs: A01 through A12, A14, A15 and A29) by equipping them with floating roofs, a vapor recovery system, or their equivalents. These petroleum storage vessels, identified as being constructed and permitted between 1973 and 1978, are subject to the requirements of 40 CFR 60, Subpart K. *(This requirement has been met by the Permittee by installing and maintain floating roofs on each unit in accordance with 40 CFR 60.112) [40 CFR 60, Subpart K and AQR 12.5.2.6.d]*

c. The Permittee is subject to 40 CFR 60, Subpart Kb for Tank 541 (EU: A12) when the storage tank is used for products with a true vapor pressure greater than 3.5 kPa (0.5 psia). *[40 CFR 60.110b(b), AQR 12.4.3.1(e)(10) and AQR 12.5.2.6(a) & (b)*]

d. The Permittee shall limit the Reid Vapor Pressure (RVP) of all combined fuel products stored in each bulk storage tank listed in Table III-B-1 to an annual average RVP 11. The 12-month rolling average RVP limit will not apply to a storage tank that is not in service for any consecutive 12 months. *[NSR ATC/OP 13, Modification 6, Condition III-B-18, (03/29/2004)]*

e. The Permittee shall limit each storage tank to the product(s) as noted for each tank in Table III-A-1. *[NSR ATC/OP 13, Modification 6, Condition III-B-17 (03/29/2004)]*

f. The Permittee shall maintain and operate the fuel storage tanks and the fuel additive tanks according to the control requirements as listed in Table III-B-3 (where fixed roof is identified, no additional controls are included). *[NSR ATC/OP 13, Modification 6 (03/29/2004)]*

Table III-B-3: Tank Control Requirements

EU	Facility ID	Control Requirements
A01	530	External Floating Roof with primary and secondary seals
A02	531	External Floating Roof with primary and secondary seals
A03	532	External Floating Roof with primary and secondary seals
A04	533	External Floating Roof with primary and secondary seals
A05	534	External Floating Roof with primary and secondary seals
A06	535	External Floating Roof with primary and secondary seals
A07	536	External Floating Roof with primary and secondary seals
A08	537	External Floating Roof with primary and secondary seals
A09	538	External Floating Roof with primary and secondary seals
A10	539	External Floating Roof with primary and secondary seals
A11	540	Internal Floating Roof with primary and secondary seals
A12	541	Domed External Floating Roof with primary and secondary seals
A13	524	Internal Floating Roof with primary and secondary seals
A14	542	Internal Floating Roof, Primary Seal
A15	543	Internal Floating Roof, primary Seal
A16	545	Internal Floating Roof with primary and secondary seals
A17	546	Internal Floating Roof, with primary and secondary seals
A18	522	Internal Floating Roof, with primary and secondary seals
A19	525	Fixed Roof
A20	526	Fixed Roof
A21	547	Internal Floating Roof with primary and secondary seals
A22	512	Fixed Roof
A23	510	External Floating Roof, Primary Seal
A24	511	External Floating Roof, Primary Seal
A25	ASA Conductivity Improver	Fixed Roof
A26	500 AIA	Fixed Roof
A27	501	Internal Floating Roof, Primary and Secondary Seals
A28	523	Internal Floating Roof with primary and secondary seals
A29	544	Internal Floating Roof with primary and secondary seals
A30	533 A	Fixed Roof
A31	537 A	Fixed Roof
A32	541 A	Fixed Roof
A33	541 B	Fixed Roof
A34	542D	Fixed Roof
A35	542A	Fixed Roof
A36	531A	Fixed Roof
A37	542C	Fixed Roof
A38	537 B	Fixed Roof
A39	531B	Fixed Roof
A45	548	Domed External Floating Roof with primary and secondary seals
A46	549	Domed External Floating Roof with primary and secondary seals
A47	550	Internal Floating Roof with primary and secondary seals
A48	551	Internal Floating Roof with primary and secondary seals
A53	548B	Fixed Roof
A54	548A	Fixed Roof
A56	513	Internal Floating Roof with primary and secondary seals

EU	Facility ID	Control Requirements
A57	514	Internal Floating Roof, with primary and secondary seals
A58	553	Internal Floating Roof with primary and secondary seals
A59	554	Internal Floating Roof with primary and secondary seals
A60	555	Internal Floating Roof with primary and secondary seals
A61	552	Internal Floating Roof with primary and secondary seals
B04	500	Internal Floating Roof with primary and secondary seals
B05	521	Internal Floating Roof with primary and secondary seals
D01	DG	Fixed Roof
H02	Mainline sump	Fixed roof UST with vent
H03	Rack sump	Fixed roof UST with vent
H04	New Mainline sump	Fixed roof UST with vent
H06	Nellis sump	Fixed roof UST with vent
H07	Rack sump	Fixed roof UST with vent
H08	QC sump	Fixed roof UST with vent
H10	Tank 500B	AST VFR tank
H11	OWS tank	AST Tank with P/V valves and Carbon adsorption unit with 95% control efficiency
H12	OST-1200-DW	Dual wall HFR AST. Tank with P/V valves and Carbon adsorption unit with 95% control efficiency
H14	ASA Tote	Rectangular AST, fixed roof
H15	CI Tote	Rectangular AST, fixed roof
H16	Lane 7 Red Dye Tote	Rectangular AST, fixed roof
H17	Lane 12 Red Dye Tote	Rectangular AST, fixed roof

Sump Tanks, Oil Water Separator, and Oil Storage Tank

g. The Permittee shall control the vapors from the OWS (EU: H11) and the oil storage tank (EU: H12) by venting the vapors to a carbon adsorption system that has a minimum control efficiency of 95.0 percent. *[NSR ATC 13, Modification 21, Condition IV-B-5 (08/30/2010)]*

h. The Permittee shall keep all hatches and other openings on the OWS (EU: H11) and the oil storage tank (EU: H12) gasketed and closed at all times except when opened for active inspection, maintenance, sampling, gauging or repair. *[NSR ATC 13, Modification 21, Condition IV-B-6 (08/30/2010)]*

i. The Permittee shall operate and maintain all vents on the OWS (EU: H11) and the oil storage tank (EU: H12) with pressure/vacuum relief valves. The vents on the sumps (EUs: H02, H03, H04, H06, H07 and H08) are not required to be equipped with pressure/vacuum relief valves. *[NSR ATC 13, Modification 21, Condition IV-B-7 (08/30/2010)]*

Loading Racks: Vapor Recovery Unit (EU: B02)

j. The Permittee shall use as the primary control device the John Zink Series 2000 high efficiency Adsorption-Absorption Hydrocarbon Vapor Recovery Unit (JZVRU) for all captured VOC loading rack emissions. *[NSR ATC/OP 13, Modification 6, Condition III-A-2 (03/29/2004) and 40 CFR 60, Subpart XX]*

k. The Permittee shall operate the JZVRU during all product loading unless there is a documented malfunction, documented emergency or maintenance event with the JZVRU. *[NSR ATC/OP 13, Modification 6, Condition III-A-2 (03/29/2004) and 40 CFR 60, Subpart XX]*

l. The Permittee shall maintain and operate the vapor collection and liquid loading equipment to limit gauge pressure in the delivery tank to 4,500 Pascal (450 mm of water) during product loading. The pressure shall be measured by the procedures specified in 40 CFR §60.503(d). *[40 CFR 60.502(h) and NSR ATC/OP 13, Modification 6, Condition III-A-6 (03/29/2004)]*

m. The Permittee shall maintain and operate the vapor collection system such that the pressure vacuum vents do not open if the system pressure is less than 4,500 Pascal (450 mm of water). *[40 CFR 60.502(i) and NSR ATC/OP 13, Modification 6, Condition III-A-7 (03/29/2004)]*

n. The Permittee shall maintain and operate the JZVRU (EU: B02) per manufacturer's specifications. *[NSR ATC/OP 13, Modification 6, Condition III-E-3 (03/29/04)]*

Loading Racks: Auxiliary Flare (EU: B10)

o. The Permittee shall use the Flare Industry auxiliary flare at all times the JZVRU is inoperable to control VOC loading rack emissions. The Flare Industry flare shall operate only during documented malfunction, documented emergencies or maintenance events of the JZVRU. *[NSR ATC/OP 13, Modification 6, Condition III-A-3 (03/29/2004)]*

p. The Permittee shall operate the flare (EU: B10) such that it utilizes a flame scanner/sensor and immediately shuts down operations if instability of the flame is detected. Only trucks loading prior to the flare shutdown shall be allowed to finish product loading and only if vapor holder capacity exists. Once the Permittee has determined, documented, and repaired the cause of the flame instability, product loading of tanker trucks may resume utilizing the flare as the control device. *[NSR ATC/OP 13, Modification 6, Condition III-A-5 (03/29/2004)]*

Loading Racks: Tanker Loading Requirements

q. The Permittee shall take steps to assure that any non-vapor tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank is obtained. *[40 CFR 60.502(e)(5) and NSR ATC/OP 13, Modification 6, Condition III-A-8 (03/29/2004)]*

r. The Permittee shall only load gasoline into tank trucks that are equipped with vapor collection equipment compatible with the terminal's vapor collection system. *[40 CFR 60.502(f) and NSR ATC/OP 13, Modification 6, Condition III-A-9 (03/29/2004)]*

s. The Permittee shall only load tank trucks when the terminals and the tank truck's vapor collection systems are connected during each loading. *[40 CFR 60.502(g) and NSR ATC/OP 13, Modification 6, Condition III-B-9 (03/29/2004)]*

t. The Permittee shall follow all regulatory requirements related to fuel handling to minimize vapor releases to the atmosphere. *[NSR ATC/OP 13, Modification 6, Condition III-B-16 (03/29/2004)]*

u. The Permittee shall take, but is not limited to, the following measures to minimize vapor releases to the atmosphere: *[NSR ATC/OP 13, Modification 6, Condition III-B-16 (03/29/2004)]*

   i. minimize gasoline spills;

   ii. clean up spills as expeditiously as possible;

   iii. cover all open gasoline containers with a gasketed seal when not in use; and

   iv. minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

Ethanol Unloading System

v. The Permittee shall vent the vapors from the ethanol unloading system (EU: H09) to the existing VRU (EU: B02). *[NSR ATC 13, Modification 21,Condition IV-B-4 (08/30/2010)]*

Offloading Rack B-100 Fuel (EU: B01A)

w. The Permittee shall ensure that only trucks with current certification of vapor tightness shall be offloaded from the B-100 Offloading Rack. *[AQR 12.4.3.1(e)(10) and AQR 12.5.2.6(a) & (b)]*

x. The Permittee shall only offload B-100 from tank trucks that are equipped with a vapor recovery system compatible with the terminal's vapor balance system. *[AQR 12.4.3.1(e)(10) and AQR 12.5.2.6(a) & (b)]*

y. The Permittee shall only offload B-100 from tank trucks when all vapor balance system equipment is connected and in operation. *[AQR 12.4.3.1(e)(10) and AQR 12.5.2.6(a) & (b)]*

Haul Road (EU: E01)

z. The Permittee shall sweep and/or rinse the paved haul road as necessary to remove all observable deposits and so as not to exhibit opacity greater than 20 percent for a period or periods totaling more than six minutes in any 60 minute period. *[NSR ATC/OP 13, Modification 6, Condition III-A-27 (03/29/2004)]*

aa. The Permittee shall not exceed a silt content of six percent and a silt loading of 0.33 ounces per square foot in paved road debris, regardless of the average number of vehicles per day. *[NSR ATC/OP 13, Modification 6, Condition III-A-28 (03/29/2004)]*

Soil Vapor Extraction and Groundwater Treatment System (EU: SR04)

bb. The Permittee shall use a control device capable of 98.5 percent VOC destruction efficiency in the event that the Permittee operates a combustion unit for controlling VOC emissions from the soil vapor extraction and groundwater treatment system. *[NSR ATC/OP 13, Modification 6, Condition III-A-23 (03/29/2004)]*

cc. The Permittee shall use only propane as the auxiliary fuel in the event that the Permittee operates a combustion unit for emission control of VOC emissions from the soil vapor extraction or groundwater treatment system. *[NSR ATC/OP 13, Modification 6, Condition III-A-5 (03/29/2004)]*

dd. The Permittee shall operate and maintain the combustion unit according to the manufacturer's guidelines in the event that the Permittee operates a combustion unit for emission control of the soil vapor extraction or groundwater treatment system. *[NSR ATC/OP 13, Modification 6, Condition III-A-7 (03/29/2004)]*

ee. The Permittee shall operate the combustion unit at a temperature specified by the manufacturer in the event that the Permittee operates a combustion unit for emission control of the soil vapor extraction or groundwater treatment system. *[AQR 12.5.2.6]*

ff. The Permittee shall demonstrate a minimum control efficiency of 95 percent or a maximum outlet VOC emission concentration of 100 ppmv in the event that a vapor-phase carbon adsorber is used for emission control of either soil vapor extraction or the groundwater treatment system. *[AQR 12.5.2.6(a)]*

Cooling Tower (EU: H05)

gg. The Permittee shall equip the Baltimore Aircoil Cooling Tower (EU: H05) with drift eliminators with a maximum drift rate of 0.001 percent. *[NSR ATC 13, Modification 21, Condition IV-B-1 (08/30/2010)]*

hh. The Permittee shall not allow the TDS of the cooling tower (EU: H05) to exceed 2,000 ppm. *[NSR ATC 13, Modification 21, Condition IV-B-2 (08/30/2010)]*

ii. The Permittee shall operate and maintain the cooling tower (EU: H05) in accordance with the manufacturer's specifications. *[NSR ATC 13, Modification 21, Condition IV-B-3 (08/30/2010)]*

Engines/Air Compressor/Fire Pump

jj. The Permittee shall operate and maintain each diesel engine in accordance with the manufacturer's specifications (EUs: B11 and D02). *[AQR 12.5.2.6(a)]*

kk. The Permittee shall operate the diesel-powered emergency fire pump with an aftercooler (EU: D02) *[AQR 12.5.2.6(a)]*

ll. The Permittee shall maintain the diesel-powered air compressor (EU: B11) as follows, unless the manufacturer's specifications are more stringent: *[40 CFR 63, Subpart 63.6603]*

a. Change oil and filter every 1,000 hours of operation or annually, whichever comes first;

b. Inspect air cleaners every 1,000 hours of operation or annually, whichever comes first; and

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. (The Permittee may utilize an oil analysis program as described in Subpart 63.6625(i) in order to extend the specified oil change requirement and can petition the Control Officer pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.)

d. During periods of startup, the Permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply*. [40 CFR 63.6603(a)]*

mm. The Permittee shall maintain the diesel-powered fire pump (EU: D02) as follows, unless the manufacturer's specifications are more stringent: *[40 CFR 63, Subpart 63.6603]*

a. Change oil and filter every 500 hours of operation or annually, whichever comes first;

b. Inspect air cleaners every 1,000 hours of operation or annually, whichever comes first; and

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. (The Permittee may utilize an oil analysis program as described in Subpart 63.6625(i) in order to extend the specified oil change requirement and can petition the Control Officer pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices.)

C. Monitoring

General *[AQR 12.5.2.6(d)/AQR 12.5.2.8(a)]*

1. The Permittee shall comply with all applicable requirements of 40 CFR 60, Subparts A, K, Kb and XX, 40 CFR 80, and 40 CFR 63, Subpart BBBBBB. *[NSR ATC/OP 13, Modification 6, Condition III-E-1 (03/29/2004)]*

2. The Permittee shall conduct a daily visual emissions check for visible emissions from emissions units while they are in operation (EUs: D02, and E01). *[AQR 12.5.2.6(d)]*

3. If the Permittee, during the visible emissions check, does not see any plume that, on an instantaneous basis, appears to exceed the opacity standard, then the observer shall keep a record of the name of the observer, the date on which the observation was made, the location, and the results of the observation. *[AQR 12.5.2.6(d)]*

4. If the Permittee sees a plume that, on an instantaneous basis, appears to exceed the opacity standard, the Permittee shall: *[AQR 12.5.2.6(d)]*

   a. take immediate action to correct causes of fugitive/stack emissions that appear to exceed allowable opacity limits; or

   b. if practical, have a certified VE observer take an EPA Method 9 observation of the plume and record the results, and take immediate action to correct causes of fugitive emissions in excess of allowable opacity limits in accordance with 40 CFR 60, Appendix A: Reference Method 9.

5. Visible emissions checks do not require a certified VE observer, except where visible emissions appear to exceed the allowable opacity limit, and an EPA Method 9 observation is made to establish it does not exceed the standard. *[AQR 12.5.2.6(d)]*

Storage Tanks *[AQR 12.5.2.6(d)/AQR 12.5.2.8(a)]*

6. The Permittee shall monitor the volume of throughput to each tank, including sumps and additives, in either gallon or barrels, and calculate monthly, the combined throughput in any consecutive 12-month period.

7. The Permittee shall monitor the RVP of fuel products by sampling monthly at their respective tanks, and calculate monthly, the RVP of all combined fuel products stored in bulk storage tanks in any consecutive 12-month period. The consecutive 12-month period RVP limit will not apply to a storage tank that is not in service for consecutive 12 months.

8. The Permittee shall monitor the fuel type serviced by each multifuel tank, to ascertain their requirements with respect to rule applicability, by documenting the corresponding service dates of all fuel types and vapor pressures of all gasoline products.

9. The Permittee shall conduct visual inspections of the internal floating roof, the primary seal, and the secondary seal as required by 40 CFR 60.113b(a)(1)&(2) for each applicable storage vessel (EUs: A11, A12, A13, A16, A17, A18, A21, A27, A28, A29, A45, A46, A47, A48, A58, A59, A60, A61, B04 and B05). Inspections shall be conducted according to the following frequency:

    a. Initial inspections shall be conducted prior to filling the vessel with a volatile organic liquid; and

    b. Subsequent visual inspections through manholes and roof hatches shall be conducted on or before 12 months from the previous inspection.

10. Upon finding that an internal floating roof is not resting on the surface of the liquid inside the storage vessel, or there is liquid accumulated on a roof, or a seal is detached, or there are holes or tears in a seal fabric, or there are other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both of an applicable storage vessel (EUs: A11, A12, A13, A16, A17, A18, A21, A27, A28, A29, A45, A46, A47, A48, A58, A59, A60, A61, B04 and B05), the Permittee shall repair the items within 45 days or before filling, or the Permittee shall empty and remove the storage vessel from service within 45 days. the Permittee shall repair the items before filling the storage vessel. *[40 CFR 60 Subpart Kb and AQR 12.5.2.6(d)]*

11. The Permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal, gaskets, slotted membranes and sleeve seals as required by 40 CFR §60.113b(a)(4) for each applicable storage vessel (EUs: A11, A12, A13, A16, A17, A18, A21, A27, A28, A29, A45, A46, A47, A48, A58, A59, A60, A61, B04 and B05) each time the storage vessel is emptied and degassed, and at intervals no greater than 10 years. *[40 CFR 60, Subpart Kb and AQR 12.5.2.6(d)]*

12. The Permittee shall determine the gap areas and maximum gap widths for each applicable storage vessel with an external floating roof (EUs: A01 through A10) as required by 40 CFR 60.113(b)(1)). Measures shall be between the primary seal and the wall of the storage vessel and between the secondary seal and the wall of the storage vessel. Measures shall be taken according to the following frequency: *[40 CFR Part 60.113(b)(1) and AQR 12.4.3.1(a)(9)]*

    a. Measurements of gaps between the tank wall and the primary seal (seal gaps) shall be performed during the hydrostatic testing of the vessel or within 60 days of the initial fill with a volatile organic liquid and at least once every 5 years thereafter.

    b. Measurements of gaps between the tank wall and the secondary seal shall be performed within 60 days of the initial fill with a volatile organic liquid and at least once per year thereafter.

    c. If the Permittee ceases to store a volatile organic compound for a period of 1 year or more, subsequent introduction of a volatile organic compound into the vessel shall be considered an initial fill for the purposes of conditions 12(a) and 12(b) of this section.

13. The Permittee shall make necessary repairs or empty the storage vessel with an applicable external floating roof (EUs: A01 through A10) within 45 days of identification in any inspection for seals not meeting the requirements as follows*: [40 CFR Part 60.113(b)(4) and AQR 12.4.3.1(a)(9)]*

a. The accumulated area of gaps between the tank wall and the mechanical shoe or liquid mounted primary seal shall not exceed 212 cm^2 per meter of tank diameter, and the width of any portion of any gap shall not exceed 3.81 cm.

b. One end of the mechanical shoe shall extend into the stored liquid, and the other end is to extend a minimum vertical distance of 61 cm above the stored liquid surface.

c. The secondary seal shall be installed above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in paragraph 60.113b(b)(2)(iii) of subpart Kb.

d. The accumulated area of gaps between the tank wall and the secondary seal shall not exceed 21.2 cm^2 per meter of tank diameter, and the width of any portion of any gap shall not exceed 1.27 cm.

e. There shall be no holes, tears, or other openings in the shoes, seals or seal fabrics.

Oil Water Separator and Oil Storage Tank *[AQR 12.5.2.6(d)/AQR 12.5.2.8(a)]*

14. The Permittee shall monitor weekly VOC concentrations at the inlet and outlet of the carbon adsorber system (EUs: H11 and H12) to determine its control efficiency. *[NSR ATC 13, Modification 21, Condition IV-C-2 (08/30/2010)]*

15. The Permittee shall utilize a Photoionization Detector (PID) for weekly VOC monitoring. The control efficiency of the carbon absorber shall be calculated as equal to one (1) minus the VOC outlet concentration measured by the PID divided by the VOC inlet concentration measured by the PID or FID (EUs: H11 and H12). *[NSR ATC 13, Modification 21, Condition IV-C-3 (08/30/2010)]*

16. The Permittee shall maintain and calibrate the PID unit according to the manufacturer's recommendations for calibration and quality control. *[NSR ATC 13, Modification 21, Condition IV-C-4 (08/30/2010)]*

Loading Racks *[AQR 12.5.2.6(d)/AQR 12.5.2.8(a)]*

17. The Permittee shall monitor the volume of throughput of all products to the loading racks in either gallons or barrels (EU: B01), and calculate monthly the annual throughput as a 12-month rolling total.

18. The Permittee shall monitor the volume of gasoline throughput to the loading racks in either gallons or barrels (EU: B01), and calculate monthly the combined annual gasoline throughput in any consecutive 12-month period.

19. The Permittee shall, at least once per day, inspect all loading lanes and review all normal operations. The loading lane inspections shall include but not be limited to inspecting all check valves, flanges, hoses, and loading arms. Review of all normal operations shall include a walk through. Detection methods incorporating sight, sound, or smell are acceptable. A detection of a leak shall be recorded and the source of the leak repaired within five calendar days after it is detected. *[NSR ATC/OP 13, Modification 6, Condition III-E-4 (03/29/2004)]*

20. The Permittee shall, for each calendar month, conduct inspections of the vapor collection system, the vapor processing system and each loading rack handling gasoline during the loading of gasoline tank trucks for total organic compounds liquids or vapor leaks. Detection methods incorporating sight, sound and smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected. *[40 CFR 60.502(j) and NSR ATC/OP 13, Modification 6, Condition III-B-11 (03/29/2004)]*

21. Delay of repair of any leaking equipment will be allowed upon a demonstration to the Control Officer that repairs within five days are not feasible. The Permittee shall provide the reason(s) a delay is needed and the date by which each repair is expected to be completed. *[NSR ATC/OP 13, Modification 6, Conditions III-E-5, 6, and 7 (03/29/04)]*

22. The Permittee shall limit the loading of liquid product into gasoline tank trucks to vapor tight gasoline tank trucks using the following procedures: *[NSR ATC/OP 13, Modification 6, Condition III-E-11 (03/29/2004)]*

    a. The Permittee shall issue all tank truck drivers a driver identification card. No product can be loaded from any loading lane without a valid driver identification card and pin number. Upon visiting the terminal for the first time, the driver shall present the operation staff with a valid driver's license, customer authorization letter, and current tank truck vapor tightness certification. All the information required under 40 CFR §60.505(b) will be entered into the Permittee's data system. The expiration date for the truck vapor tightness certification will be recorded in the Permittee's data system. The truck's vapor tightness expiration date can be no more than one year from the date of the issuance of the vapor tightness certificate.

    b. The Permittee shall scan all tank truck driver identification cards by the Permittee's data system, and enter the truck and trailer numbers before product can be loaded at the terminal. If the tank truck vapor tightness certificate has expired, the driver will be unable to load product and will be instructed to see the operator on duty. In order to load the truck in question, the driver must present the operator with a new vapor tightness certificate, which will then be entered into the data system. If the driver does not have an updated vapor tightness certificate, the truck cannot load until a new certificate can be presented.

    c. The Permittee shall include each reloading of a non-vapor tight gasoline cargo tank at the facility before vapor tightness documentation for that cargo tank is obtained in the semiannual excess emissions report. *[40 CFR 63.11095(b)(2)]*

<u>Loading Racks: Vapor Recovery Unit, (EU: B02)</u> *[AQR 12.5.2.6(d)/AQR 12.5.2.8(a)]*

23. The Permittee shall operate and maintain a nondispersive infrared (NDIR) analyzer on the JZVRU (EU: B02) as CEMS to monitor VOC emissions from the exhaust of the on-line carbon bed. Emission readings shall be recorded and stored in a data acquisition system compatible with the analyzer. *[NSR ATC/OP 13, Modification 6, Condition III-A-4 (03/29/2004)]*

24. The Permittee shall operate and maintain the CEMS in conformance with all provisions of 40 CFR Part 60.13 and 40 CFR 63.11092(b). *[NSR ATC/OP 13, Modification 6, Condition III-E-7 (03/29/2004)]*

25. The Permittee shall demonstrate compliance with fuel dispensing operational and emission limitations specified in this permit by monitoring the following parameters of the JZVRU (EU: B02): *[NSR ATC/OP 13, Modification 6, Condition III-E-7 (03/29/2004)]*

    a. exhaust gas flow rate;

    b. hourly VOC concentration from the exhaust gas in lbs/1,000 gallons of petroleum loaded and mg/L of petroleum loaded;

    c. four-hour average VOC concentration from the exhaust gas in lbs/1,000 gallons of petroleum loaded and mg/L of petroleum loaded; and

    d. continuous product dispensing in gallons and liters.

26. Any exceedance of the four-hour average or annual VOC emission limitations as determined by the CEMS, shall be considered a violation of the emission limit imposed and may result in enforcement action. *[NSR ATC/OP 13, Modification 6, Condition III-E-7 (03/29/2004)]*

27. The Permittee shall obtain an approved quality assurance plan for all CEMS required by this Section. The quality assurance plan which was approved by Air Quality on September 7, 2011, shall be in compliance with 40 CFR 60, Appendix F – Quality Assurance Procedures, and contain auditing schedules, reporting schedules, and design specifications for the CEMS system. *[NSR ATC/OP 13, Modification 6, Condition III-E-7 (03/29/2004)]*

28. The Permittee is required to conduct a RATA on an annual basis for all affected emission units to demonstrate compliance with the CEM requirements. The Permittee is subject to 40 CFR 60, Appendix F, and Air Quality guidelines on source testing. *[NSR ATC/OP 13, Modification 6, Condition III-F-7 (03/29/2004)]*

29. The Permittee shall submit in writing all RATA protocols to the Control Officer for approval no less than 45 days before the proposed date for the audit.

30. The Permittee shall submit the results of the RATA to the Control Officer within 60 days of the conclusion of the audit.

31. The Permittee shall perform preventative daily, weekly, quarterly, and annual maintenance protocols on the JZVRU (EU: B02) in accordance with John Zink Company guidelines.

32. The Permittee shall sample the glycol solution from the JZVRU separator (EU: B02) on an annual basis. The glycol sample shall be tested for pH and glycol content. The pH of the glycol solution must meet or be adjustable to manufacturer's specifications. The glycol content must be in a concentration of 50 percent or greater. If either of these conditions cannot be met, the glycol solution must be replaced. *[NSR ATC/OP 13, Modification 6,Condition III-E-8 (03/29/2004)]*

Loading Racks: Auxiliary Flare *[AQR 12.5.2.6(d)/AQR 12.5.2.8(a)]*

33. The Permittee shall monitor the hours of operation of the Flare Industry flare unit (EU: B10), and calculate monthly, the annual operating hours in any consecutive 12-month period.

34. The Permittee shall monitor flame instability with an optical scanner/sensor fitted on the Flare Industry flare unit (EU: B10) that will continuously verify the presence of a flame while in operation. If flame instability is detected by the scanner/sensor the flare unit shall be operated and maintained to immediately shut down operations. *[NSR ATC/OP 13, Modification 6, Condition III-A-5 (03/29/2004)]*

35. The Permittee will visually inspect the flame quality during operation of the flare unit (EU: B10) upon start up, and once every two hours thereafter. The Permittee will document the date and time of each observation. If the flame is observed to be anything but clear blue, the Permittee will increase visual inspections and perform any corrective actions as dictated by the facility operating manual. *[NSR ATC/OP 13, Modification 6,Condition III-E-9 (03/29/2004)]*

36. The Permittee shall test the saturator tank fluid on the flare unit (EU: B10) monthly, and at the conclusion of any flare use in excess of 24 hours cumulative operation. The testing will consist of taking a representative sample from the saturator tank and analyzing the sample for API gravity and vapor pressure. The fluid must be replaced if the analysis determines the API gravity to be less than 47 degrees, or if the analysis determines the Reid vapor pressure to be less than four psia. *[NSR ATC/OP 13, Modification 6, Condition III-E-10, (03/29/2004)]*

37. The Permittee shall operate and maintain the flare unit (EU: B10) per manufacturer's specifications. *[NSR ATC/OP 13, Modification 6, Condition III-E-3 (03/29/04)]*

Ethanol Unloading System *[AQR 12.5.2.6(d)/AQR 12.5.2.8(a)]*

38. The Permittee shall monitor the volume of ethanol throughput to the unloading system in gallons (EU: H09), and calculate monthly the annual throughput as a 12-month rolling total.

Haul Roads *[AQR 12.5.2.6(d)/AQR 12.5.2.8(a)]*

39. The Permittee shall monitor the number of tank trucks entering into the loading racks for the loading of product (EU: E01), and calculate monthly the annual number of trips as a 12-month rolling total.

Soil Vapor Extraction and Groundwater Treatment System (EU: SR04) *[AQR 12.5.2.6(d)/AQR 12.5.2.8(a)]*

40. In the event that the Permittee operates a combustion unit for emission control of either the soil vapor extraction or the groundwater treatment system, the following shall apply:
    a. The Permittee shall operate and maintain a continuous flow monitor on the soil and groundwater treatment system *[NSR ATC/OP 13, Modification 6, Condition III-E-12 (03/29/2004)]*
    b. The Permittee shall operate and maintain a continuous combustion chamber temperature monitor on the control device. *[NSR ATC/OP 13, Modification 6, Condition III-A-19 (03/29/2004)]*
    c. The Permittee shall cease operation of the combustion unit if the continuous combustion chamber temperature monitor malfunctions or shuts down. *[NSR ATC/OP 13, Modification 6, Condition III-A-21 (03/29/2004)]*
    d. The Permittee shall monitor the total flow rate (scfm) of the vapor stream to the combustion unit with each sample collected. *[NSR ATC/OP 13, Modification 6, Condition III-E-16, (03/29/2004)]*
    e. The Permittee shall monitor monthly, the auxiliary fuel used by the combustion unit on the in standard cubic feet.
    f. The Permittee shall conduct a daily visual inspection of the combustion unit for smoke. If the unit exhibits black or white smoke at any time, the unit shall be shut down until the cause is determined and repaired. *[NSR ATC/OP 13, Modification 6, Condition III-E-17 (03/29/2004)]*
    g. The Permittee shall demonstrate compliance with remediation operational and emission limitations specified in this permit by monitoring the following parameters of the Soil Vapor Extraction Unit: *[NSR ATC/OP 13, Modification 6, Condition III-E-12 (03/29/2004)]*
        i. hours of operation;
        ii. continuous exhaust gas flow rate;
        iii. continuous combustion chamber temperature; and
        iv. hourly and quarterly accumulated mass emissions of VOC based on daily activities and monitoring data.
    h. The Permittee shall monitor weekly VOC concentrations at the inlet and outlet of the control device to determine emission rates and their control efficiency*. [NSR ATC/OP 13, Modification 6, Conditions III-A-25 and III-E-13 (03/29/2004)]*
    i. The Permittee shall utilize a photoionization detector (PID) for weekly VOC monitoring. *[NSR ATC/OP 13, Modification 6, Condition III-E-13 (03/29/2004)]*
    j. The Permittee shall maintain the PID unit according to the manufacturer's recommendations for calibration and quality control. *[NSR ATC/OP 13, Modification 6, Condition III-E-15 (03/29/2004)]*
    k. The Permittee shall collect air samples every two months to determine the concentration of VOC sent to the control devices and the emissions to the atmosphere. The samples shall be analyzed, at minimum, for total petroleum hydrocarbons (TPH) by EPA Method 8015M (as modified for air use) and for benzene, toluene, ethylbenzene and meta, para, ortho-xylene and methyl tert-butyl ether (MTBE) by Method 8260B (as modified for air use) and for water vapor content. *[NSR ATC/OP 13, Modification 6, Condition III-E-14 (03/29/2004)]*
41. In the event that the Permittee operates a vapor-phase granular activated carbon adsorber unit for emission control of either the soil vapor extraction or the groundwater treatment system, the following shall apply: *[Permit Renewal Application (04/28/2016)]*

a. The Permittee shall monitor weekly VOC concentrations at the inlet and outlet of the carbon adsorber system to determine its control efficiency.

b. The Permittee shall utilize a Photoionization Detector (PID) for weekly VOC monitoring. The control efficiency of the carbon absorber shall be calculated as equal to one (1) minus the VOC outlet concentration measured by the PID divided by the VOC inlet concentration measured by the PID or FID (EUs: H11 and H12).

c. The Permittee shall maintain and calibrate the PID unit according to the manufacturer's recommendations for calibration and quality control.

d. The Permittee shall collect air samples every two months to determine the concentration of VOC sent to the control devices and the emissions to the atmosphere. The samples shall be analyzed, at minimum, for total petroleum hydrocarbons (TPH) by EPA Method 8015M (as modified for air use) and for benzene, toluene, ethylbenzene and meta, para, ortho-xylene and methyl tert-butyl ether (MTBE) by Method 8260 (as modified for air use) and for water vapor content.

Engines/Air Compressor/Fire Pump *[AQR 12.5.2.6(d)/AQR 12.5.2.8(a)]*

42. The Permittee shall operate each diesel engine (EUs: B11 and D02) with a nonresettable hour meter.

43. The Permittee shall monitor the hours of operation of the diesel-powered fire pump (EU: D02), and calculate monthly the annual hours of operation for testing and maintenance, and separately for emergencies.

44. The Permittee shall operate the Diesel-powered air compressor (EU: B11) with a nonresettable hour meter, monitor the duration of operation and calculate monthly the annual hours of operation.

Cooling Tower *[AQR 12.5.2.6(d)/AQR 12.5.2.8(a)]*

45. The Permittee shall monitor the TDS content of the cooling tower circulation water monthly by the use of a conductivity meter (EU: H05*).*

D. Testing

General *[AQR 12.5.2.6]*

1. The Permittee shall comply with all applicable testing requirements in 40 CFR 60, Subparts A, K, Kb, XX, 40 CFR 80, and 40 CFR 63, Subpart BBBBBB.

2. The Permittee is subject to 40 CFR Part 60, Subpart A, Appendix A (as amended) and Air Quality guidelines on performance testing. Performance testing shall be for determining compliance with emission limitations set forth in this Part 70 OP and all related and/or relevant 40 CFR Part 60 and 63 subparts. The Permittee shall submit in writing all performance testing protocols to the Control Officer for approval no less than 45 days before the proposed date for the performance tests.

3. The Permittee shall submit the results of the performance tests to the Control Officer within 60 days of the conclusion of the performance tests.

Loading Racks: Vapor Recovery Unit, (EU: B02) *[AQR 12.5.2.6]*

4. The Permittee shall conduct subsequent performance tests on the JZVRU at five year intervals, not to exceed 90 days past the anniversary date of the previous performance test.

5. The Permittee is subject to the applicable performance testing requirements of 40 CFR 60.503 for the JZVRU. *[40 CFR 60.503]*

6. The Permittee shall, immediately before the performance test on the JZVRU, use EPA Method 21 to monitor for leakage of vapor at all potential sources in the terminal's vapor collection system equipment while a gasoline tank truck is being loaded. The owner or operator shall repair all leaks with readings of 500 ppm (as methane) or greater before conducting the performance test. *[40 CFR63.11092(a)(1)(i)]*

7. The performance test shall be six hours long during which at least 300,000 liters of gasoline is loaded. If this is not possible, the test may be continued the same day until 300,000 liters of gasoline is loaded or the test may be resumed the next day with another complete six-hour period. In the latter case, the 300,000-liter criterion need not be met. However, as much as possible, testing should be conducted during the six-hour period in which the highest throughput normally occurs. *[40 CFR 60.503(b), 40 CFR 60.503(b)(1), and NSR ATC/OP 13, Modification 6, Condition III-F-6 (03/29/2004)]*

8. The Permittee shall utilize performance testing methodologies for the JZVRU (EU: B02) as indicated in Table III-D-1:

Table III-D-1: Performance Testing Methods for (EU: B02)

Test Criteria	EPA Test Method
Determination of VOC Leaks (pre-test)	Method 21
Stack parameters	Methods 1 through 4
Combustion vapor processing system	Method 2B
All other vapor processing systems	Method 2A
Determination of total organic compound concentrations	Method 25A or 25B or 18

Soil Vapor Extraction and Groundwater Treatment System (EU: SR04) *[AQR 12.5.2.6]*

9. The Permittee shall conduct a performance in the event that the Permittee operates a combustion unit for either the soil vapor extraction or the groundwater treatment system, to demonstrate compliance with control efficiencies and emission rates.

10. The Permittee shall conduct subsequent performance tests on the combustion unit at five year intervals, not to exceed 90 days past the anniversary date of the previous performance test.

11. The Permittee shall utilize performance testing methodologies for the soil vapor extraction and groundwater treatment systems as indicated in Table III-D-2:

Table III-D-2: Performance Testing Methods

Test Criteria	EPA Test Method
Stack parameters	Methods 1 through 4
Determination of total organic compound concentrations	Method 25A

E. Record Keeping

1. The Permittee shall comply with all applicable record keeping requirements of 40 CFR Part 60.7, 40 CFR Part 60, Subparts Kb and XX; and 40 CFR 63, Subparts A, BBBBBB and ZZZZ. *[AQR 12.5.2.6]*

2. The Permittee shall maintain records that include, at a minimum, the following information to be kept onsite. Records that shall be included in semiannual reporting are noted: *[AQR 12.5.2.6]*

Storage Tanks

a. monthly total throughput of individual tanks and sumps (EUs: A01 through A61, B04, B05, D01, and H02 through H04, H06 through H08, and H10 through H17);

b. monthly total 12-month throughput of all tanks combined, including additives (EUs: A01 through A61, B04, B05, D01, and H02 through H04, H06 through H08, and H10 through H17); (reported semiannually)

c. monthly RVP sampled for all fuel products in their respective tanks;

d. monthly average 12-month RVP of all combined fuel products; (reported semiannually)

e. records of all fuel-types serviced by each tank with corresponding service dates and gasoline vapor pressures (EUs: A01 through A24, A27 through A29, A45 through A48, A56 through A61, B04, B05, and D01);

f. records of visual inspections required by Section III-C of this permit on the storage tanks (EUs: A11, A12, A13, A16, A17, A18, A21, A27, A28, A29, A45, A46, A47, A48, A58, A59, A60, A61, B04, and B05) shall be kept on-site for a minimum for two years and include the following: *[40 CFR Part 60.115b]*

   i. the storage vessel on which the inspection was performed;

   ii. the date the vessel was inspected; and

   iii. the observed condition of each component of the control equipment (seals, floating roof, and fittings).

g. records of measurements of seal gaps required by Section III-C of this permit on applicable storage tanks (EUs: A01 through A10) as follows:

   i. the date of measurement;

   ii. the raw data obtained in the measurement; and

   iii. the calculations described in 40 CFR 60.113b(b).

<u>Oil Water Separator and Oil Storage Tank</u>

h. weekly monitoring results and calculated efficiency of the carbon adsorber on the OSW (EUs: H11 and H12); (reported semiannually)

<u>Loading/Offloading Racks</u>

i. continuous dispensing of all products;

j. monthly, consecutive 12-month period total throughput of all products through the loading racks; (reported semiannually)

k. monthly, consecutive 12-month period total throughput of gasoline through the loading racks; (reported semiannually);

l. monthly, consecutive 12-month period total throughput of B-100 fuel through the offloading racks; (reported semiannually);

m. daily inspection of loading lanes;

n. monthly inspections of loading racks, and vapor collection and processing systems;

o. maintenance and repairs associated with daily and monthly inspections of loading racks and loading lanes;

p. tanker trucks entered into data system for vapor tightness certification;

<u>Loading Racks: Vapor Recovery Unit</u>

q. exhaust gas flow rate from the VRU (EU: B02);

r. hourly VOC concentration from the VRU exhaust gas (EU: B02);

s. four-hour average VOC concentration from the VRU exhaust gas (EU: B02);

t. malfunctions, documented emergencies or maintenance events on the VRU including times, dates and corrective actions (EU: B02); (reported semiannually)

u. five-year vapor leakage monitoring results on the VRU (EU: B02) including corrective actions;

v. five-year performance testing results on the VRU (EU: B02) including corrective actions;

w. annual RATA audit results including corrective actions;

x. daily, weekly, quarterly and annual maintenance of the VRU including dates and corrective actions;

y. annual glycol solution sampling results;

Loading Racks: Auxiliary Flare

z. dates and times of operation of the auxiliary flare (EU: B10);

aa. monthly, consecutive 12-month period total hours of operation of the auxiliary flare (EU: B10); (reported semiannually);

bb. visual inspections of the flame quality on the auxiliary flare (EU: B10) during operation including dates, times and corrective actions;

cc. maintenance and repairs on the auxiliary flare (EU: B10);

dd. saturator tank fluid testing results and corrective actions (EU: B10);

Ethanol Unloading System

ee. monthly, consecutive 12-month period total throughput of ethanol through the unloading system; (reported semiannually)

Haul Road (EU: E01)

ff. daily visual emissions check on the haul road including dates, observer names, location and results;

gg. monthly, consecutive 12-month period total number of trips of the haul road; (reported semiannually)

Soil Vapor Extraction and Groundwater Treatment System (EU: SR04)

hh. continuous hours of operation;

ii. continuous flow rate of the exhaust gas;

jj. in the event that a combustion unit is used for control, continuous combustion chamber temperature in the combustion unit;

kk. dates of the mode of operation;

ll. weekly PID monitoring results on the inlet and exhaust vapor streams; (reported semiannually)

mm. calibration of PID;

nn. maintenance and repair of PID;

oo. bi-monthly sampling results on inlet and exhaust vapor streams, including total flow rate; (reported semiannually)

pp. in the event that a combustion unit is used for control, daily visible emissions observation from the combustion unit;

qq. maintenance and repair;

rr. in the event that a combustion unit is used for control, monthly volume of auxiliary fuel used by the combustion unit, in scf;

ss. hourly accumulated mass emissions of VOC;

tt. quarterly accumulated mass emissions of VOC; (reported semiannually)

Diesel Engines

uu. visual emissions check when operating the diesel fire pump engine (EU: D02) and air compressor engine (EU: B11) including dates, observer names, location and results;

vv. monthly total 12-month hours of operation of diesel-powered air compressor (EU: B11); (reported semiannually)

ww. monthly and annual hours of operation of the diesel-powered fire pump for testing, maintenance, and nonemergency use (EU: D02); (reported semiannually)

xx. monthly an annual hours of operation of the diesel-powered fire pump for emergency use, including documentation justifying use during the emergency (EU: D02); (reported semiannually)

Cooling Towers

yy. monthly TDS content of cooling tower circulation water (EU: H05).

F. Reporting

1. The Permittee shall notify Air Quality when remediation activities have been completed and the soil and groundwater remediation systems are ready to remove from the site. *[NSR ATC/OP 13, Modification 6, Condition III-H-7 (03/29/2004)]*

2. The Permittee shall meet the following reporting requirements after installing any new, reconstructed and modified fixed roof or internal floating roof control equipment: *[40 CFR 60.115b]*

    a. Submit to the Control Officer a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) and 40 CFR 60.113b(a)(1);

    b. Submit to the Control Officer a report within 30 days of the annual visual inspection of internal floating roofs if conditions such as holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both are detected. The report shall include the following:

        i. identity of the storage vessel;

        ii. nature of the defects;

        iii. date the storage vessel was emptied (if applicable); and

        iv. date the repair was made.

3. The Permittee shall meet the following reporting requirements after installing any new, reconstructed and modified external floating roof control equipment: *[40 CFR 60.115b]*

    a. Submit to the Control Officer a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR 60.112b(a)(2) and 40 CFR 60.113b(b)(2), (b)(3) and (b)(4);

    b. Submit to the Control Officer a report within 60 days of performing the seal gap measurements required by 40 CFR 60.113b(b)(1) that includes the following:

        i. date of measurement;

        ii. raw data obtained in the measurement;

        iii. the calculations described in 40 CFR 60.113b(b)(2) and (b)(3); and

c. Submit to the Control Officer a report within 30 days of a gap measurement that detects gaps exceeding the limitations specified by 40 CFR 60.113b(b)(4). The report shall include the following:

i. identity of the storage vessel;

ii. date of measurement

iii. raw data obtained in the measurement

iv. the calculations described in 40 CFR 60.113b(b)(2) and (b)(3);

v. date the storage vessel was emptied (if applicable); and

vi. date the repair was made.

4. For storage vessels complying with 40 CFR 63.11087(b) after January 10, 2011, the storage vessel's Notice of Compliance Status information can be included in the next semi-annual compliance report in lieu of filing a separate Notification of Compliance Status report under 40 CFR 63.11093. *[40 CFR 63.11095(a)(4)]*

5. For all the inspections required for applicable storage vessels that have been emptied and degassed, as specified in 40 CFR 60.113b(b), the Permittee shall notify the Control Officer in writing at least 30 days prior to filling or refilling each storage vessel to afford the Administrator the opportunity to inspect the storage vessel prior to refilling. If the inspection required by emptying and degassing a storage vessel is not planned and the Permittee could not have known about the inspection 30 days in advance of refilling the tank, the Permittee shall notify the Control Officer at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Control Officer at least 7 days prior to the refilling. *[40 CFR Part 60.113b (6)(ii) and AQR 12.4.3.1(a)(9)]*

6. The Permittee shall submit semiannual reports to the Control Officer. *[AQR 12.5.2.6(d)]*

7. The Permittee shall make all production, emission and monitoring calculations available to the Control Officer for inspection within 30 days from the end of each month. *[AQR 12.5.2.6(d)]*

8. The following requirements apply to semiannual reports: *[AQR 12.5.2.6(d)]*

a. The report shall include each item listed in Condition III-E-2 along with the following information, as applicable;

(i) For equipment leak inspections, the number of equipment leaks not repaired within 15 days after detection; *[40 CFR 63.11095(a)(3)]*

(ii) Each exceedance or failure to maintain, as appropriate, the monitored operating parameter values, the monitoring data for the days on which exceedances or failures to maintain occurred, and a description and timing of the steps taken to repair or perform maintenance on the vapor collection and processing systems or the CEMS; *[40 CFR 63.11095(b)(3)]*

(iii) Each instance in which malfunctions discovered during the required monitoring and inspections for the CEMS were not resolved according to the necessary corrective actions described in the monitoring and inspection plan. The report shall include a description of the malfunction and the timing of the steps taken to correct the malfunction. *[40 CFR 63.11095(b)(4)].*

(iv) For each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection: *[40 CFR 63.11095(b)(5)]*

(A) The date on which the leak was detected;

(B) The date of each attempt to repair the leak;
(C) The reasons for the delay of repair; and
(D) The date of successful repair.

b. A brief description of each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded, including a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions and actions taken to correct a malfunction; and *[40 CFR 63.11095(d)]*

(i) If no excess emission events have occurred during the previous 6-month period, no report is required. *[40 CFR 63.11095(c)]*

c. The report shall be submitted to the Control Officer within 30 calendar days after the end of the reporting period.

d. Regardless of the date of issuance of this Operating Permit, the source shall comply with the schedule for report submissions outlined in Table III-F-1: *[AQR 12.5.2.6(d)]*

Table III-F-1: Required Report Submission Dates

Required Report	Applicable Period	Due Date
Semiannual Report for 1st Six-Month Period	January, February, March, April, May, June	July 30 each year[1]
Semiannual Report for 2nd Six-Month Period. Any additional annual records required.	July, August, September, October, November, December	January 30 each year[1]
Annual Compliance Certification Report	Calendar Year	January 30 each year[1]
Annual Emissions Inventory Report	Calendar Year	March 31 each year[1]
Annual Emissions Statement[2]	Calendar year	March 31 each year[1]
Notification of Malfunctions, Startup, Shutdowns, or Deviations with Emissions	As Required	Within 24 hours of the Permittee learning of the event
Report of Malfunctions, Startup, Shutdowns, or Deviations with Excess Emissions	As Required	Within 72 hours of the notification
Deviation Report without Excess Emissions	As Required	Submit with semiannual reports[1]
Performance Testing	As Required	Within 60 days from the end of the test[1]

[1]If the due date falls on a Saturday, Sunday or a Federal or Nevada holiday, then the submittal is due on the next regularly scheduled business day.

[2] Required only for stationary sources that emit 25 tons or more of nitrogen oxide (NO_X) and/or emit 25 tons or more of volatile organic compounds (VOC) during a calendar year.

e. The Control Officer reserves the right to require additional reports and reporting to verify compliance with permit conditions, permit requirements, and requirements of applicable federal regulations. *[AQR 4.4 and AQR 12.5.2.6(d)(4)]*

G. Mitigation

1. The source has no federal offset requirements. *[AQR 59.1.1]*

IV. OTHER REQUIREMENTS

1. It is the Permittee's responsibility to satisfy all federal requirements to which the source is subject.

2. The Permittee shall not use, sell, or offer for sale any fluid as a substitute material for any motor vehicle, residential, commercial, or industrial air conditioning system, refrigerator freezer unit, or other cooling or heating device designated to use a CFC or HCFC compound as a working fluid, unless such fluid has been approved for sale in such use by the Administrator. The Permittee shall keep record of all paperwork relevant to the applicable requirements of 40 CFR 82 on site. *[40 CFR 82]*

V. PERMIT SHIELD

1. The source did not request a permit shield.

ATTACHMENT 1

APPLICABLE REGULATIONS

REQUIREMENTS SPECIFICALLY IDENTIFIED AS APPLICABLE:

1. NRS, Chapter 445B.
2. Applicable AQR Sections:

Citation	Title
AQR Section 0	Definitions
AQR Section 1	Selected Definitions
AQR Section 4	Control Officer
AQR Section 5	Interference with Control Officer
AQR Section 8	Persons Liable for Penalties – Punishment: Defense
AQR Section 9	Civil Penalties
AQR Section 10	Compliance Schedule
AQR Section 11	Ambient Air Quality Standards
AQR Section 12.2	Permit Requirements for Major Sources in Attainment Areas
AQR Section 12.3	Permit Requirements for Major Sources in Nonattainment Areas
AQR Section 12.4	Authority to Construct Application and Permit Requirements for Part 70 Sources
AQR Section 12.5	Part 70 Operating Permit Requirements
AQR Section 12.9	Annual Emissions Inventory Requirement
AQR Section 12.10	Continuous Emissions Monitoring Systems (CEMS)
AQR Section 12.12	Transfer of Permit
AQR Section 12.13	Posting of Permit
AQR Section 13	National Emission Standards for Hazardous Pollutants
AQR Section 14	New Source Performance Standards
AQR Section 18	Permit and Technical Service Fees
AQR Section 26	Emissions of Visible Air Contaminants
AQR Section 28	Fuel Burning Equipment
AQR Section 40	Prohibition of Nuisance Conditions
AQR Section 41	Fugitive Dust
AQR Section 42	Open Burning
AQR Section 43	Odors in the Ambient Air
AQR Section 70	Emergency Procedures
AQR Section 80	Circumvention

3. CAAA, Authority: 42 U.S.C. § 7401, et seq.
4. Applicable 40 CFR Subsections:

Citation	Title
40 CFR 52.21	Prevention of Significant Deterioration (PSD)
40 CFR 52.1470	SIP Rules
40 CFR 60, Subpart A	Standards of Performance for New Stationary Sources (NSPS) – General Provisions
40 CFR 60 Appendix A	Method 9 or equivalent, (Opacity)
40 CFR 60 Subpart K	Standards of Performance for Storage Vessels for Petroleum Liquids
40 CFR 60 Subpart Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels
40 CFR 60 Subpart XX	Standards of Performance for Bulk Terminals
40 CFR 63 Subpart BBBBBB	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminal, Bulk Plants and Pipelines Facilities
40 CFR 63 Subpart A	National Emission Standards for Hazardous Air Pollutants for Source Categories-General Provisions
40 CFR 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
40 CFR 70	Federally Mandated Operating Permits
40 CFR Part 80 Subpart B Requirements for Control Technology Determinations for Major Sources in Accordance with Clean Acts Sections 112(G) and 112(J).	§63.43 Maximum achievable control technology (MACT) determinations for constructed and reconstructed major sources.
40 CFR 82	Protection of Stratospheric Ozone